

**Volume**

**#**

**R0422**

BOOK A-422

B.

## FIELD NOTES

OF THE SURVEY OF THE

EAST BOUNDARY OF TOWNSHIP NO. 30 SOUTH, RANGE NO. 1 EAST,

SOUTH BOUNDARY OF TOWNSHIP NO. 28 SOUTH, RANGE NO. 2 EAST,

WEST BOUNDARY OF TOWNSHIP NO. 29 SOUTH, RANGE NO. 2 EAST,

NORTH BOUNDARY OF TOWNSHIP NO. 29 SOUTH, RANGE NO. 1 EAST,

EAST BOUNDARY OF TOWNSHIP NO. 28 SOUTH, RANGE NO. 1 EAST,

AND

SOUTH BOUNDARY OF TOWNSHIP NO. 27 SOUTH, RANGE NO. 1 EAST,

Of the SALT LAKE BASE AND Meridian,

In the State of U T A H

EXECUTED BY

SCOTT P. STEWART

In the capacity of U. S. Surveyor, under instructions dated May 4, 1914,  
 issued by the United States Surveyor General to govern surveys included in  
 Group No. 27, which were approved by the Commissioner of the General Land  
 Office, May 29, 1914; assignment instructions issued by the  
 Assistant Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced May 26, 1915

Survey completed July 29, 1915.

EAST BOUNDARY T. 30 S., R. 1 E.

Survey commenced May 26, 1915, and executed with a Young

& Sons solar transit No. 8584, for description and test

of which see notes of the sixth standard parallel

south, Range No. 2 East, book "A" of this group.

May 26: At 7h 57m a.m. l.m.t. I set off 21° 02' N. on the

decl. arc; 38° 09' N. on the decl. arc, and determine a

meridian with the solar at the standard cor. of Tp. 30

S., Rs. 1 and 2 E., thence

North on a random line on W. bdy. of township, setting

temporary 1/4 sec. and sec. cors. at intervals of 40.00

chs.; and at 473.67 chs. fall 96 lks. W. of the cor. of

Tps. 29 and 30 S., Rs. 1 and 2 E., which is also U.S.

Forest Reserve Bdy. Post. No. 113, an iron post 4 ins.

in dia., extending 30 ins. above ground, and surrounded

by a mound of stone, marked and witnessed as described

by the surveyor general.

The falling answers to a correction of 0° 7', or 16 lks.

E. per mile; counting from the SW. cor. of the Tp.; there-

fore the course of this line is S. 0° 07' W.

May 27, 1915: At 1h 57m p.m. l.m.t., I set off 21° 14' N.

on the decl. arc; 38° 15' N. on the lat. arc; and determine

a meridian with the solar at above described Tp. cor.

Thence

S. 0° 07' W. bet. secs. 1 and 6,

Over rolling, mountainous land, through dense short

sage and yellow brush; ascending gently.

4.00 Ridge, 8 ft. above Tp. cor., bears N. 70° E. and S. 70° W.

Descend gently.

4.20 Old road, bears N. 70° E. and S. 70° W.

33.67 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the

ground, for 1/4 sec. cor., with brass cap marked

1915

Raise a mound of stone 20 ft. base, 1 1/2 ft. high W. of cor.

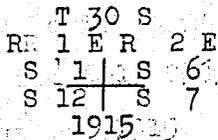
42.20 Draw, 20 ft. below ridge, course N. 30° W. from S. 30° E.

EAST BOUNDARY T.30 S.; R. 1 E.

Chains.

Ascend.

73.67 Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, with brass cap marked.



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land, rolling, mountainous.

Soil, clay and gravelly loam, and rocky; from 1 to 4 ft.

deep. Subsoil, volcanic rock.

Undergrowth, dense short sage and yellow brush, about 1 ft. high.

Good grass for grazing, except where overfed.

No timber.

S.0° 07' W. bet. secs. 7 and 12,

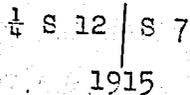
Over rolling, mountainous land; through dense short sage and yellow brush; ascending gently.

4.00 Begin ascent of bench bearing N.80° W. and S.30° E.

10.00 Top of steep slope, 55 ft. above sec. cor., bearing N.80° W. and S.80° E.

Ascend gently.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.



Raise a mound of stone 3 ft. base, 2 ft. high W. of cor.

Corner is 145 ft. above sec. cor. Descend.

55.00 Draw, course NE, from SW.

Ascend.

80.00 Point 90 ft. above draw, on ridge bearing N.10° E. and S.10° W.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, with brass

EAST BOUNDARY T.30 S., R.1 E.

Chains.

cap marked

T 30 S			
R 1 E		S 2 E	
S 12		S 7	
S 13		S 18	
1915			

Raise a mound of stone 3 ft. base, 2 ft. high W. of cor.  
 Land, rolling, mountainous. General slope and drainage NE.  
 Soil, clay and gravelly loam and rocky, 1 to 3 ft. deep.

Subsoil, volcanic rock.

Undergrowth, short sage and yellow brush.

Good grass for grazing.

No timber.

May 27, 1915.

May 28, 1915: At 7h. 57m. a.m. l.m.t., I set off 21° 22' N.  
 on the decl. arc; 38° 13' N. on the lat. arc; and deter-  
 mine a meridian with the solar at the cor. of secs. 7,  
 12, 13, and 18. Thence

S. 0° 07' W. bet. secs. 13 and 18,

Over rolling, mountainous land; through dense sage and yellow brush; ascending gradually.

40.00 Point 90 ft. above sec. cor.,

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 13		S 18
1915		

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Continue along gradual slope.

80.00 Point 90 ft. above  $\frac{1}{4}$  sec. cor.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, with brass cap marked

T 30 S			
R 1 E		R 2 E	
S 13		S 18	
S 24		S 19	
1915			

Raise a mound of stone 3 ft. base, 2 ft. high W. of cor.

EAST BOUNDARY T.30 S., R.1 E.

Chains.

Land, rolling, mountainous; general slope and drainage northeast.

Soil, gravelly and rocky, 2 to 4 ft. deep; subsoil, volcanic rock.

Undergrowth, dense short sage and yellow brush, 1 ft. high.

Good grass for grazing.

No timber.

S.0° 07' W. bet. secs. 19 and 24,

Over rolling, mountainous land; through dense short sage and yellow brush; descending.

10.30 Draw, 8 ft. below sec. cor., course N.70° E. Ascend.

27.50 Ridge, 35 ft. above draw, bears E. and W.. Descend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 24 | S 19  
 1915

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Corner 15 ft. below ridge.

68.50 Draw, 70 ft. below ridge, course E. Ascend.

80.00 Point 20 ft. above draw,

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, with brass cap marked

T 30 S  
 R 1 E | R 2 E  
 S 24 | S 19  
 S 25 | S 30  
 1915

Raise a mound of stone 3 ft. base, 2 ft. high W. of cor.

Land, rolling, mountainous; general drainage and slope east.

Soil, rocky, 1 to 3 ft. deep; subsoil, volcanic rock.

Undergrowth dense low sage and yellow brush.

Good grass for grazing.

EAST BOUNDARY T. 30 S., R.1 E.

Chains.

No timber.  
 May 28, 1915: At this cor. I set off  $21^{\circ} 23' N.$  on the decl. arc; and at 11h 57m a.m. l.m.t., observe the sun on the meridian; the resulting lat. is  $38^{\circ} 10' N.$

$S.0^{\circ} 07' W.$  bet. secs. 25 and 30,  
 Ascending gently, over rolling mountainous land; through dense low sage and yellow brush.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 25 | S 30  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Corner is 50 ft. above sec. cor.

73.00 Ridge, bears  $N.20^{\circ} W.$  and  $S.20^{\circ} E.$ , 60 ft. above  $\frac{1}{4}$  sec. cor.  
 Descend.

80.00 Point 20 ft. below ridge,  
 Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, with brass cap marked

T 30 S  
 R 1 E | R 2 E  
 S 25 | S 30  
 S 36 | S 31  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Land, rolling, mountainous; general slope and drainage E.  
 Soil, rocky, 1 to 3 ft. deep; subsoil, volcanic rock.  
 Undergrowth, short, sage and yellow brush, 1 ft. high.  
 No timber. Good grass for grazing.

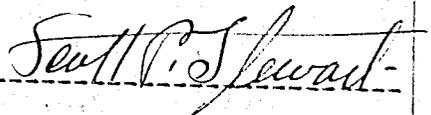
$S.0^{\circ} 07' W.$  bet. secs. 31 and 36,  
 Over rolling, mountainous land; through dense sage and yellow brush; descending.

10.00 Begin more gentle descent, bearing  $N.80^{\circ} E.$  and  $S.80^{\circ} W.$

## EAST BOUNDARY T. 30 S., R.1 E.

- Chains.  
16.00 Draw, 60 ft. below sec. cor., course N.70° E.  
Ascend.
- 35.00 Broad ridge, 15 ft. above hollow, bears N.60° E. and S.60°  
W. Descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
 $\frac{1}{4}$  S 36 | S 31  
1915
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 51.90 Old road, from Loa to Antelope Spring bears N.30° E. and  
S.40° W.
- 52.60 Hollow, 80 ft. below ridge, course NE.  
Ascend.
- 65.30 Spur, 30 ft. above hollow, bears NE. and SW.  
Descend.
- 73.90 Draw, 20 ft. below spur, course NW.  
Ascend.
- 80.00 Point 8 ft. above draw,  
The standard cor. of Tp. 30 S., Rs. 1 and 2 E.  
Land, rolling, mountainous. General slope and drainage E.  
Soil, gravelly and rocky, 1 to 4 ft. deep; subsoil, vol-  
canic rock.  
Good grass for grazing.  
No timber.

May 28, 1915.



U.S. Surveyor.

For general description see notes of the subdivi-  
sion of this township.

KFB.

SOUTH BOUNDARY OF T.28 S., R.2 E.

Chains.

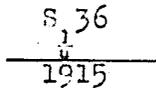
June. 11, 1915: At 7h 59m a.m. l.m.t., I set off 38° 19' N. on the lat. arc; 23° 03' N. on the decl. arc; and determine a meridian with the solar at the cor. of T. 28 S., Rs. 2 and 3 E., described on page 2 of the notes of the Fremont Valley Guide Mer., T. 29 S. Thence West, on the S. bdy. of sec. 36,

Ascending over rolling, mountainous land; through scattering pinon pine and cedar, volcanic rocks, and undergrowth of sage and yellow brush.

5.90 The closing cor. from south of Tp. 29 S., Rs. 2 and 3 E., 5 ft. above cor.

16.70 Spur, 15 ft. above cor., bears N. 80° E., and SW. Descend.

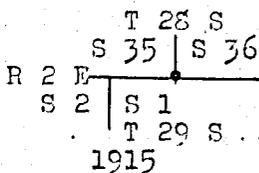
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. sec. 36 only, with brass cap marked



and raise a mound of stone 3 ft. base, 2 ft. high N. of cor. Corner 40 ft. below spur.

40.40 Bottom of wash in hollow, drains N. 30° E. 3.00 chs.; thence NE., 5 ft. below 1/4 sec. cor. Ascend.

50.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 35 and 36 only, with brass cap marked



from which

A pinon pine, 10 ins. diam., bears N. 54° 30' E. 84 lks. dist., marked T 28 S R 2 E S 36 B T

A pinon pine, 6 ins. diam., bears N. 32° 30' W., 122 lks. dist., marked T 28 S R 2 E S 35 B T

and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Corner 195 ft. above wash.

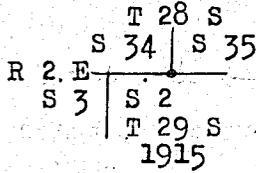
Land, rolling, mountainous.

## SOUTH BOUNDARY OF T. 28 S., R. 2 E.

- Chains.
- Soil, rocky, 1 to 2 ft. deep, volcanic stone.  
Undergrowth, sage and yellow brush.  
Timber, pinon pine and cedar.
- 
- West, on the S. bdy. of sec. 35.  
Ascending over rolling, mountainous land; through undergrowth of sage and yellow brush, and scattering pinon pine; soil rocky.
- 7.50 Top of rocky ridge, bears N. 70° W., and S. 70° E., 55 ft. above cor. Descend.
- 31.24 Bottom of hollow, drains NW., 90 ft. below ridge.  
June 11, 1915: At this point I set off 23° 04' N. on the decl. arc; and, at apparent noon, observe the sun on the meridian; the resulting lat. is 38° 19' N.  
Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., sec. 35 only, with brass cap marked
- $$\begin{array}{r} \text{S. 35} \\ \frac{1}{4} \\ \hline 1915 \end{array}$$
- from which
- A pinon pine, 18 ins. diam., bears N. 88° 30' E., 209 lks. dist., marked  $\frac{1}{4}$  S 35 B T  
and raise a mound of stone 3 ft. base, 2 ft. high N. of cor. Corner 20 ft. above hollow.
- 55.00 Ridge, 15 ft. above  $\frac{1}{4}$  sec. cor., bears N. and S. Descend.
- 64.70 Old road, bears NE. and SW.
- 65.45 Road, bears NE. and SW.
- 68.40 Road, bears N. 20° W., and S. 20° E.
- 77.75 Bottom of wash or swale, 20 ft. below ridge, drains N. Asc.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground, with mound of stone around post, for cor. of secs. 34 and 35 only, with brass cap marked

SOUTH BOUNDARY OF T. 28 S., R. 2 E.

Chains



from which

A pinon pine 16 ins. diam. bears N.68°45'E., 314 lks. dist., marked T 28 S R 2 E S 35 B T.

A pinon pine 10 ins. diam. bears N.36°30'W., 208 lks. dist., marked T 28 S R 2 E S 34 B T.

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 15 ft. above wash.

Land, rolling mountainous.

Soil, rocky, 1 to 2 ft. deep; volcanic formation.

Timber, pinon pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.

West, on the S. bdy. of sec. 34,

Ascending over rolling, mountainous land, through volcanic rocks, undergrowth of sage and yellow brush, and scattering pinon pine and cedar timber.

10.20 Top of spur, 70 ft. above cor., bears N.30°W. and S.30°E.

Descend.

15.80 Bottom of draw, 20 ft. below spur, drains SE.

Ascend.

33.00 Top of ridge, 80 ft. above draw, bears NW. and SE.

Descend. Leave timber, bearing N. and S.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. <sup>sec. 34 only</sup> cor. with brass cap marked

S 34  
¼

1915

and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

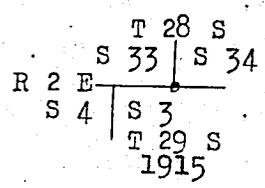
Cor. 10 ft. below ridge.

SOUTH BOUNDARY OF T. 28 S., R. 2 E.

Chains

Ascend.

- 43.00 Draw, 5 ft. above 1/4 sec. cor., drains N.30°E.
- 69.00 Ridge, 40 ft. above draw, bears NW. and SE. Descend.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 33 and 34, only, with brass cap marked



and raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Cor. 10 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, 1 to 2 ft. deep, on volcanic stone.

Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.

Timber, pinon pine and cedar.

June 11, 1915.

June 12, 1915: At 7h 59m a.m., l.m.t., I set off 38° 19' N. on the lat. arc; 23° 07' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 33 and 34, on the S. bdy. of T. 28 S., R. 2 E.

Thence

West, on the S. bdy. of sec. 33,

Descending over rolling, mountainous land, through dense, short undergrowth of sage and yellow brush.

- 5.00 Bottom of draw, 5 ft. below cor., drains SE.

Ascend.

- 14.60 Old road, bears NE. and SW.

- 16.00 Ridge, 15 ft. above draw, bears NW. and SE. Descend.

- 28.00 Head of draw, 15 ft. below ridge, drains SE. Ascend.

- 30.00 Enter heavy pinon pine and cedar timber, bearing NW.

Chains

and SE.

39.00 Ridge, 75 ft. above draw, bears N.30°W. and S.30°E.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. for  $\frac{1}{4}$  sec. cor. sec. 33 only in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 33

1915

from which

A pinon pine 18 ins. diam. bears N.56°E., 91 lks.

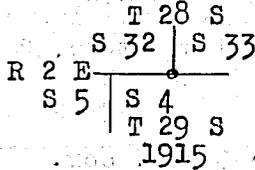
dist., marked  $\frac{1}{4}$  S. 33 B. T.

A pinon pine 12 ins. diam. bears N.55°45'W., 51

lks. dist., marked  $\frac{1}{4}$  S. 33 B. T.

51.00 Foot of steep descent, bears NE. and SW.; leave timber, bearing same. Descend gradually.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 32 and 33, only, with brass cap marked



and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cor. 135 ft. below  $\frac{1}{4}$  sec. cor.

Land, rolling mountainous.

Soil, rocky, 1 to 2 ft. deep; volcanic formation.

Timber, cedar and pinon pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.

West, on the S. bdy. of sec. 32, Descending gradually over rolling, mountainous land, through dense, short undergrowth of sage and yellow brush.

SOUTH BOUNDARY OF T. 28 S., R. 2 E.

Chains

21.60 Bottom of draw, 35 ft. below cor., drains SE.  
Ascend.

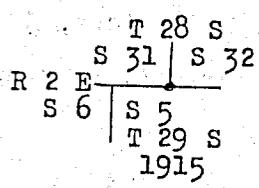
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
sec. 32 only,  
S 32  
 $\frac{1}{4}$   
1915

and raise a mound of stone, 3 ft. base, 2 ft. high,  
N. of cor.

Cor. 30 ft. above draw.

June 12, 1915: At this  $\frac{1}{4}$  sec. cor. I set off 23°08'N.  
on the decl. arc; and, at apparent noon, observe the  
sun on the meridian; the resulting lat. is 38°19'N.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 31 and 32, only, with  
brass cap marked



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 65 ft. above  $\frac{1}{4}$  sec. cor.

Land, rolling mountainous.

Soil, rocky, 1 to 2 ft. deep; volcanic stone.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height. Good grass for grazing.

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West, on the S. bdy. of sec. 31,  
Ascending over rolling, mountainous land, through dense,  
short undergrowth of sage and yellow brush.

18.50 Ridge, 10 ft. above cor., bears NE. and SW.  
Descend.

25.00 Head of draw, 5 ft. below ridge, drains NE.  
Ascend.

13

SOUTH BOUNDARY OF T. 28 S., R. 2 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. <sup>sec. 31 only,</sup> cor., with brass cap marked

S 31

$\frac{1}{4}$

1915

and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Cor. 35 ft. above draw.

51.30 Head of draw, 5 ft. above  $\frac{1}{4}$  sec. cor., drains NE.

73.00 Ridge, 50 ft. above head of draw, bears NE. and S.20°W. Descend.

83.20 Head of draw, 15 ft. below ridge, drains NE.

84.00 Set temp. cor. for Tps. 28 and 29 S., Rs. 1 and 2 E. This cor. afterwards made permanent at 83.92 chs., in survey of W. bdy. of T. 29 S., R. 2 E.

Land, rolling mountainous.

Soil, gravelly, 1 to 2 ft. deep, on volcanic stone.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.

June 12, 1915.

WEST BOUNDARY OF T. 29 S., R. 2 E.

June 14, 1915: At 8 a.m., l.m.t., I set off 38°14'N. on the lat. arc; 23°15'N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 29 and 30 S., Rs. 1 and 2 E, heretofore described.

Thence

North, bet. secs. 31 and 36,

Descending gradually over rolling, mountainous land, through dense, short undergrowth of sage and yellow brush.

3.50 Bottom of draw, 10 ft. below cor., drains N.60°W.

Ascend.

WEST BOUNDARY OF T. 29 S., R. 2 E.

Chains

- 15.00 Top of ridge, 25 ft. above bottom of draw, bears NW. and SE. Descend.
- 27.30 Bottom of draw, 10 ft. below ridge, drains S.60°W. Ascend.
- 36.00 Top of ridge, 25 ft. above draw, bears E. and S.70°W. Descend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 36 | S 31

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 15 ft. below ridge.

- 60.90 Bottom of canyon, 45 ft. below  $\frac{1}{4}$  sec. cor., drains NW. Ascend.

- 66.00 Top of ridge, 5 ft. above draw, bears E. and W. Descend.

- 71.05 Bottom of canyon, 60 ft. below ridge, drains W. Ascend.

- 79.20 Top of steep ascent, bears E. and W.

- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, with brass cap marked

T 29 S  
R 1 E | R 2 E  
S 25 | S 30  
S 36 | S 31

1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Cor. 125 ft. above bottom of canyon.

Land, rolling mountainous.

Soil, gravelly and rocky, 1 to 2 ft. deep; volcanic formation.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in

WEST BOUNDARY OF T. 29 S., R. 2 E.

Chains

height. Good grass for grazing.

North, bet. secs. 25 and 30,

Ascending over rolling, mountainous land, through dense, short undergrowth of sage, yellow brush and bitter brush.

28.00 Top of ridge, 75 ft. above cor., bears E. and W.

June 14, 1915: At this point I set off  $23^{\circ}15'N.$  on the decl. arc; and, at apparent noon, observe the sun on the meridian; the resulting lat. is  $38^{\circ}15'N.$

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 25 | S 30

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 10 ft. below ridge.

44.10 Bottom of draw, 3 ft. below  $\frac{1}{4}$  sec. cor., drains  $S.60^{\circ}E.$

Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.

in the ground, for cor. of secs. 19, 24, 25 and 30, with brass cap marked

T 29 S  
R 1 E | R 2 E

S 24 | S 19

S 25 | S 30

1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Cor. 35 ft. above bottom of draw.

Land, rolling mountainous.

Soil, gravelly and rocky, 1 to 2 ft. deep, on volcanic stone.

No timber.

Undergrowth, sage, yellow brush and bitter brush,

WEST BOUNDARY OF T. 29 S., R. 2 E.

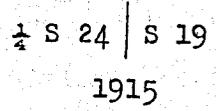
Chains

averaging 1 ft. in height. Good grass for grazing.

North, bet. secs. 19 and 24;

Ascending gradually over rolling, mountainous land, through dense, short undergrowth of sage and yellow brush.

40.00 Set an iron post, 3 ft. long; 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

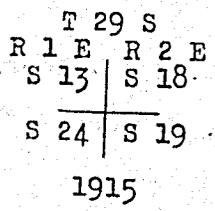


and raise a mound of stone, 3 ft. base; 2 1/2 ft. high, W. of cor.

48.00 Ridge, 30 ft. above sec. cor., bears NW. and SE. Descend.

60.00 Bottom of draw, 15 ft. below ridge, drains SE. Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in ground, for cor. of secs. 13, 18, 19 and 24, with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 25 ft. above draw.

Land, rolling mountainous.

Soil, rocky and gravelly, 1 to 2 ft. deep; subsoil, volcanic formation.

Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.

June 14, 1915.

June 15, 1915: At 8 a.m., l.m.t., I set off 38° 17' N.

Chains

on the lat. arc; 23°18'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 18, 19 and 24.

Thence

North, bet. secs. 13 and 18,

Ascending over rolling, mountainous land, through dense, short undergrowth of sage and yellow brush.

27.70 Top of ridge, 65 ft. above sec. cor., bears E. and W. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 13	S 18
--------------------	------

1915

and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Cor. 35 ft. below ridge.

54.26 Descend abruptly into hollow, bearing NW. and SE.

60.85 Bottom of hollow drains N.70°W., joins main hollow in about 8 chs., heads about 10 chs. S.60°E. Scattering cedars in bottom of hollow, 275 ft. below  $\frac{1}{4}$  sec. cor. Ascend.

74.70 Top of ridge, 160 ft. above bottom of hollow, bears N.70°W. and S.70°E. Descend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground, with mound of stone around post, for cor. of secs. 7, 12, 13 and 18, with brass cap marked

T 29 S	
R 1 E	R 2 E
S 12	S 7

S 13	S 18
------	------

1915

from which

A cedar 24 ins. diam. bears N.77°30'E., 311 lks.

dist., marked T 29 S R 2 E S 7 B T.

No other trees in limits; raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

WEST BOUNDARY OF T. 29 S., R. 2 E.

Chains

Cor. 50 ft. below ridge.  
 Land; rolling mountainous.  
 Soil, rocky, 1 to 2 ft. deep; on volcanic stone.  
 Timber, cedar.  
 Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.

North, bet. secs. 7 and 12,

Ascending over rolling, mountainous land, through scattering cedar timber and dense, short undergrowth of sage and yellow brush.

.60 Bottom of hollow, drains N.80°W., 10 ft. below cor.  
 Scattering cedars in hollow. Ascend.

7.40 Top of ridge, 50 ft. above hollow, bears E. and W.  
 Descend.

36.38 Bottom of hollow, 235 ft. below ridge, drains S.80°W.  
 Ascend.

38.36 Top of ridge, 45 ft. above hollow, bears E. and W.  
 June 15, 1915: At this point I set off 23°18'N. on the decl. arc; and, at apparent noon, observe the sun on the meridian; the resulting lat. is 38°18'N.

38.42 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, with mound of stone around post, for witness cor. to  $\frac{1}{4}$  sec. cor., with brass cap marked

T 29 S

WC  $\frac{1}{4}$

S 12		S 7
R 1 E		R 2 E
1915		

from which

A pinon pine 8 ins. diam. bears S.72°30'E., 52 lks. dist., marked WC  $\frac{1}{4}$  S 7 B T.

A pinon pine 10 ins. diam. bears S.70°W., 25 lks. dist., marked WC  $\frac{1}{4}$  S 12 B T.

and raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high, W. of cor.

Chains

Witness cor. on top of rocky ridge. Descend abruptly.  
 40.00 Point for  $\frac{1}{4}$  sec. cor. falls on sloping cliff. Cor. not  
 set.  
 43.00 Bottom of wash in canyon, 160 ft. below ridge, drains  
 NE. Ascend.  
 68.40 Top of ridge, on N. side of canyon, 330 ft. above bottom  
 of canyon, bears NW. and SE. Descend.  
 75.40 Bottom of draw, 30 ft. below ridge, drains S. 60° E.  
 Ascend.  
 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
 in the ground, for cor. of secs. 1, 6, 7 and 12, with  
 brass cap marked

T 29 S	
R 1 E	R 2 E
S 1	S 6
S 12	S 7

1915

and raise a mound of stone, 3 ft. base, 3 ft. high,  
 W. of cor.  
 Cor. 25 ft. above draw.  
 Land, rolling mountainous.  
 Soil, gravelly, volcanic stone, 1 to 2 ft. deep.  
 Timber, cedar and pinon pine.  
 Undergrowth, sage and yellow brush, averaging 1 ft. in  
 height. Good grass for grazing.

North, bet. secs. 1 and 6,

Ascending over rolling, mountainous land, through dense,  
 short undergrowth of sage and yellow brush.

11.00 Ridge, 30 ft. above cor., bears E. and W.  
 Descend.  
 24.40 Bottom of draw, 80 ft. below ridge, drains NE.  
 Ascend.  
 26.90 Top of spur, 10 ft. above draw, bears NE. and SW.  
 Descend.  
 30.55 Bottom of draw, 10 ft. below spur, drains E.

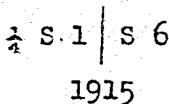
-210-

WEST BOUNDARY OF T. 29 S., R. 2 E.

Chains

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. stands on top of ridge bearing NE. and SW., 25 ft. above draw. Descend.

52.70 Bottom of draw, 45 ft. below  $\frac{1}{4}$  sec. cor., drains N.60°E. Ascend.

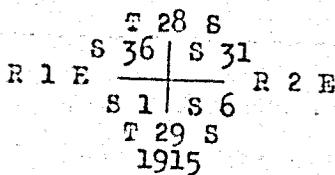
55.00 Spur, 5 ft. above draw, projects NE. Descend.

56.50 Draw, 3 ft. below ridge, drains E. Ascend.

68.85 Old road on top of ridge, 45 ft. above draw, bears N.60°E. and S.60°W. Ridge bears same. Descend.

83.50 Bottom of draw, 60 ft. below ridge, drains NE. Ascend.

83.98 Fall 8 lks. E. of the temp. cor. of Tps. 28 and 29 S., Rs. 1 and 2 E. At this point, Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of Tps. 28 and 29 S., Rs. 1 and 2 E., with brass cap marked



and raise a mound of stone, 4 ft. base, 3 ft. high, S. of cor.

Cor. 3 ft. above draw.

Land, rolling mountainous.

Soil, gravelly and rocky, 1 to 2 ft. deep, on volcanic stone.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in

WEST BOUNDARY OF T. 29 S., R. 2 E.

Chains

height. Good grass for grazing.

June 15, 1915.

BOUNDARIES OF T. 29 S., R. 2 E.

Latitudes, Departures and Closing Errors.

Lines Designated	True Bearing	Dist. Chs.	Latitudes		Departures	
			N. Chs.	S. Chs.	E. Chs.	W. Chs.
North Boundary	West	476.02				476.02
West "	South	483.98		483.98		
South "	N. 89° 58' E.	478.88	.25		478.88	
Fremont Valley Guide Meridian	North	484.06	484.06			
Convergency						.57
	Totals		484.34 483.98	483.98	478.88 478.59	476.59

Error in lat. and dep.

.36

.29

*Scott V. Stewart*  
U. S. Surveyor.

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**Page**

SURVEY OF THE N. BDY. OF T. 29 S., R. 1 E.

Chains

Survey commenced July 12, and executed with the instrument described in book of subdivision of this township. (Young & Sons, No. 8584.)

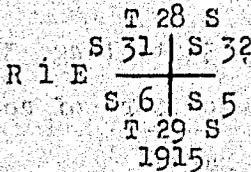
July 12, 1915. At 7h 5m a.m., l.m.t., I set off 38°19' on the lat. arc; 22°06' N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 28 and 29 S., Rs. 1 and 2 E., heretofore described.

Thence West on a random line, along the N. bdy. of Tp. 29 S., R. 1 E., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs.; and, at 439.06 chs., intersect the Salt Lake Meridian 166 lks. S. of the cor. of Tps. 28 and 29 S., Rs. 1 E. and 1 W., heretofore described. The falling answers to a correction of 0°13', or 30 lks. S. per mile, counting from the NE. cor. of the Tp.; therefore I run

S. 89°47' E., bet. secs. 6 and 31,

Descending gradually, over rolling mountainous land, through dense sage and yellow brush.

39.06 Set an iron post, 3 ft. long, 3 ins. in diam., 2 1/2 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Cor. 220 ft. below Tp. cor.

Land, rolling mountainous.

Soil, rocky; volcanic formation.

Undergrowth, sage and yellow brush, averaging 2 ft. in height.

Good grass for grazing.

No timber.

SURVEY OF THE N. BDY. OF T. 29 S., R. 1 E.

Chains

S.89°47'E., bet. secs. 5 and 32,

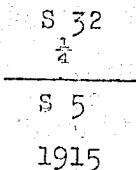
Descending over rolling mountainous land, through undergrowth of sage and yellow brush.

4.50 Bottom of swale, 15 ft. below sec. cor., course N.80°E. Ascend.

9.00 Top of ridge, 5 ft. above swale, bears N. and S. Descend.

29.00 Bottom of swale, 70 ft. below ridge, course S.50°E. Ascend.

40.00 Set an iron post; 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

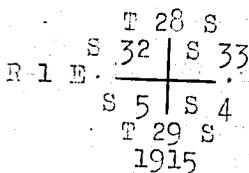
Cor. 25 ft. above swale.

48.50 Top of ridge, 20 ft. above cor., bears NW. and SE. Descend.

64.00 Road, bears N. and S.

73.70 Bottom of draw, 140 ft. below ridge, course NE. Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 25 ft. above draw.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 3 ft. deep.

Undergrowth, sage and yellow brush.

-65-  
SURVEY OF THE N. BDY. OF T. 29 S., R. 1 E.

Chains

and 10

Good grass for grazing.  
No timber.

S. 89° 47' E., bet. secs. 4 and 33.

Ascending over rolling mountainous land, through  
undergrowth of scrub sage, yellow and bitter brush.

31.00 Top of ridge, 90 ft. above sec. cor., bears N. and S.  
Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
S. 33  $\frac{1}{4}$

S 4

1915

and raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high,  
N. of cor.

Cor. 10 ft. below ridge, in swale, course NW.

Ascend.

72.20 Top of ridge, 75 ft. above  $\frac{1}{4}$  cor., bears N. and S.  
Descend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 3, 4, 33 and 34,  
with brass cap marked

T 28 S

S 33 | S 34

S 4 | S 3

1915

and raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 90 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 2 ft. deep.

Undergrowth, scrub sage, yellow and bitter brush.

Good grass for grazing.

No timber.

July 12, 1915: At this cor. I set off 22° 04' N. on the

SURVEY OF THE N. BDY. OF T. 29 S., R. 1 E.

Chains

decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°19'N.

S.89°47'E., bet. secs. 3 and 34,

Descending over rolling mountainous land, through undergrowth of sage, bitter brush and yellow brush.

12.70 Bottom of draw, 35 ft. below sec. cor., course N. 30.1 E. Ascend.

25.00 Top of ridge, 15 ft. above draw, bears N. and S. Descend.

30.00 Bottom of swale, 10 ft. below ridge, course N. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 34  
 $\frac{1}{4}$

S 3

1915

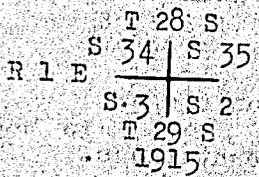
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

Cor. 20 ft. above swale.

45.30 Road from Parker Lake to Loa, bears NE. and SW.

60.00 Top of ridge, 10 ft. above  $\frac{1}{4}$  cor., bears N. and S. Descend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, with brass cap marked



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Cor. 35 ft. below ridge.

Land, rocky, rolling mountainous.

Soil, gravelly, 1 to 2 ft. deep; volcanic formation.

SURVEY OF THE N. BDY. OF T. 29 S., R. 1 E.

Chains

Undergrowth, sage, bitter brush and yellow brush.  
Good grass for grazing.  
No timber.

S.89°47'E., bet. secs. 2 and 35,

Descending over rolling mountainous land, through  
undergrowth of sage and yellow brush.

22.50 Bottom of swale, 80 ft. below sec. cor., course S.50°E.  
Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 35  
 $\frac{1}{4}$

-----  
S 2

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. stands on top of ridge bearing N.70°W. and S.70°E.,  
20 ft. above swale.

Descend.

68.40 Bottom of draw, 125 ft. below  $\frac{1}{4}$  cor., course NE.  
Ascend.

75.00 Top of ridge, 15 ft. above draw, bears N. and S.  
Descend.

78.00 Bottom of swale, 4 ft. below ridge, course N.  
Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 1, 2, 35 and 36,  
with brass cap marked.

T 28 S  
S 35 | S 36  
R 1 E |-----|  
S 2 | S 1  
T 29 S  
1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 5 ft. above swale.

-28-

6

SURVEY OF THE N. BDY. OF T. 29 S., R. 1 E.

Chains

Land, rolling mountainous.  
Soil, E. half, gravelly, 1 to 3 ft. deep; W. half, rocky, 1 to 2 ft. deep.

Undergrowth, sage and yellow brush.

Good grass for grazing.

No timber.

S. 89° 47' E.; bet. secs. 1 and 36,  
Ascending over rolling mountainous land, through short sagebrush, scrub yellow brush and bitter brush.

10.00 Top of ridge, 10 ft. above sec. cor., bears N. and S.  
Descend.

10.30 Trail bears NE. and SW.

26.00 Bottom of swale, 70 ft. below ridge, course NE.  
Ascend.

35.00 Top of ridge, 15 ft. above swale, bears N. 30° E. and S.  
Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 36

S 1

1915.

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

Cor. 10 ft. below ridge, in depression, course N. 30° E.

Ascend.

50.00 Top of ridge, 5 ft. above  $\frac{1}{4}$  cor., bears NE. and SW. Descend.

69.00 Head of swale, course E. 85 ft. below ridge. Continue descent.

80.00 The cor. of Tps. 28 and 29 S., Rs. 1 and 2 E., 110 ft. below ridge.

Land, rolling mountainous.

Soil, gravelly, volcanic formation; average depth, 2 ft.  
Undergrowth, sagebrush averaging 1 ft. in height, scrub yellow brush and bitter brush. Good grass for grazing.  
No timber.

July 12, 1915.

*Scott Stewart*  
U.S. Surveyor.

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains

Survey commenced July 20, 1915, and executed with a Young & Sons solar transit, No. 8584, for description and test of which see notes of the retracement of the Salt Lake Meridian, through T. 29 S., between Rs. 1 E. and 1 W.

July 20, 1915: At 8 a.m., l.m.t., I set off  $38^{\circ}20'N$ . on the lat. arc;  $20^{\circ}49'N$ . on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 28 and 29 S., Rs. 1 and 2 E., described in the notes of the survey of the west boundary of T. 29 S., R. 2 E.

Thence

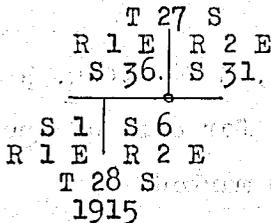
North, on a random line along the east bdy. of the Tp., setting temp.  $\frac{1}{2}$  sec. and sec. cors. at intervals of 40.00 and 80.00 chs., respectively, and at

478.70

Fall 5.34 chs.  $N.89^{\circ}45'W$ . of the old cor. of Tps. 27 and 28 S., Rs. 1 and 2 E., which is a volcanic stone 8 x 12 x 12 ins. above ground, firmly set, and marked with 6 notches on N., S., E. and W. edges, T 28 S on SW., T 27 S on NE., R 2 E on NE., and R 1 E on NW. faces, with mound of stone S. of cor.

July 21, I re-establish this cor. as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 18 ins. in the ground to solid rock, in a mound of earth and stone, for cor. of T. 27 S., Rs. 1 and 2 E., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

The falling exceeds the limit; therefore I return to the cor. of Tps. 28 and 29 S., Rs. 1 and 2 E., and run north on a true line along the east bdy. of the Tp. as follows:

July 20, 1915.

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains

July 21, 1915: At 8h 6m a.m., l.m.t., I set off 38°20' N. on the lat. arc; 20°37' N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 28 and 29 S., Rs. 1 and 2 E., heretofore described.

Thence

North, bet. secs. 31 and 36,

Descending gradually over rolling, mountainous land, through dense, short undergrowth.

1.60 Bottom of swale, 5 ft. below cor., drains E.

Ascend.

12.70 Top of ridge, 50 ft. above swale, bears NE. and S.60°W.

Descend.

33.50 Bottom of swale, 75 ft. below ridge, drains E.

Ascend.

34.10 Trail bears E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 36 | S 31

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor..

Cor. stands on top of ridge bearing N.70°E. and S.70°W., 35 ft. above swale. Descend.

77.00 Bottom of draw, 50 ft. below ridge, drains S.70°E.

Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, with brass cap marked

T 28 S  
R 1 E | R 2 E  
S 25 | S 30  
-----  
S 36 | S 31

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 10 ft. above draw.

-31-

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains

Land, rolling mountainous.  
 Soil, gravelly, 1 to 3 ft. deep; volcanic stone.  
 Undergrowth, sage and yellow brush, averaging 1 ft.  
 in height. No timber.  
 Good grass for grazing.

North, bet. secs. 25 and 30,

Ascending gradually over rolling, mountainous land,  
 through dense, short undergrowth.

- 5.00 East point of ridge projects W., 10 ft. above cor.  
Descend.
- 8.70 Bottom of swale, 5 ft. below ridge, drains S.40°E.  
Ascend.
- 25.00 Top of ridge, 60 ft. above swale, bears N.70°W. and  
S.70°E. Descend.
- 28.50 Bottom of depression, 10 ft. below ridge, drains E.  
Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

S 25	S 30
1915	

  
 and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Cor. 45 ft. above swale.
- 64.30 Enter heavy mahogany, cedar and pinon pine timber,  
bearing NW. and SE.
- 65.40 Enter flat top of mesa, bearing E. and W., 160 ft.  
above  $\frac{1}{4}$  sec. cor.
- 68.00 Leave mesa, bearing NE. and SW.
- 80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 19, 24, 25 and 30,  
with brass cap marked

T 28 S	
R 1 E	R 2 E
S 24	S 19
S 25	S 30

1915

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains

from which

A pinon pine 6 ins. diam. bears N.27°30'E., 55 lks. dist., marked T 28 S R 2 E S 19 B T.

A pinon pine 6 ins. diam. bears S.8°30'E., 69 lks. dist., marked T 28 S R 2 E S 30 B T.

No other trees in limits; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. stands in swale draining W., 170 ft. below mesa. Land, rolling mountainous.

Soil, rocky, volcanic stone.

Timber, pinon pine and cedar, 15.70 chs.

Undergrowth, mahogany, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

North, bet. secs. 19 and 24,

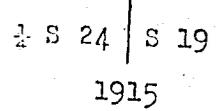
Ascending gradually over rolling, mountainous land, through dense, short undergrowth, and scattering cedar and pinon pine timber.

5.00 West side of ridge, 5 ft. above cor., bears E. and W. Descend.

14.00 Leave timber, bearing E. and W.

39.30 Wood road to Loa, bears N. and S.10°E.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 195 ft. below ridge.

45.10 Wood road to Loa, bears N.20°E. and S.20°W.

47.60 Bottom of draw, 25 ft. below ¼ sec. cor., drains E. Ascend.

47.80 Road, from Parker Lake to Loa, bears E. and W.

61.40 Top of ridge, 60 ft. above draw, bears E. and W.

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains

Descend.

69.50

Bottom of draw, 40 ft. below ridge, drains E.

Ascend.

80.00

Set an iron post, 3 ft. long, 3 ins. in diam., 18 ins. in the ground, in a mound of stone, for cor. of secs. 13, 18, 19 and 24, with brass cap marked

T 28 S	
R 1 E	R 2 E
S 13	S 18
S 24	S 19

1915

from which

A pinon pine 20 ins. diam. bears N.27°30'E., 125 lks. dist., marked T 28 S R 2 E S 18 B T.

A pinon pine 6 ins. diam. bears S.86°45'W., 86 lks. dist., marked T 28 S R 1 E S 24 B T.

No other trees in limits; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 100 ft. above draw.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 2 ft. deep.

Timber, cedar and pinon pine.

Undergrowth, mahogany, sage and yellow brush.

Good grass for grazing.

July 21, 1915: At this cor. I set off 20°35'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°22'N.

North, bet. secs. 13 and 18,

Ascending abruptly over rocky, rolling, mountainous land, through scattering pinon pine timber and short undergrowth.

3.00

Top of steep ascent, bears E. and W.

5.20

Top of ridge, 75 ft. above cor., bears E. and W.

Descend.

30.00

Enter heavy pinon pine, yellow pine, cedar and mahogany

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains

timber.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., on solid rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 13 | S 18.  
 1915

from which

A pinon pine 24 ins. diam. bears S.78°E., 71 lks. dist., marked  $\frac{1}{4}$  S 18 B T.

A pinon pine 14 ins. diam. bears N.32°30'W., 100 lks. dist., marked  $\frac{1}{4}$  S 13 B T.

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 85 ft. below ridge.

54.20 Bottom of canyon, 100 ft. below  $\frac{1}{4}$  sec. cor., drains N.80°E. Ascend.

63.00 Top of ridge, 50 ft. above bottom of canyon, bears E. and W. Descend.

72.30 Enter scattering aspen timber, bearing E. and W.

74.80 Old road in bottom of canyon, 65 ft. below ridge, bears E. and W.; canyon drains E. Ascend.

76.00 Leave aspen timber, bearing E. and W.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., on solid rock, in a mound of stone, for cor. of secs. 7, 12, 13 and 18, with brass cap marked

T 28 S  
 R 1 E | R 2 E  
 S 12 | S 7  
 ---  
 S 13 | S 18

1915

from which

A pinon pine 14 ins. diam. bears N.49°30'E., 192 lks. dist., marked T 28 S R 2 E S 7 B T.

A pinon pine 18 ins. diam. bears S.44°15'E., 78 lks. dist., marked T 28 S R 2 E S 18 B T.

A cedar 24 ins. diam. bears S.10°30'W., 38 lks. dist., marked T 28 S R 1 W S 13 B T.

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains

No other trees in limits; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.  
 Cor. 50 ft. above canyon.  
 Land, rolling mountainous.  
 Soil, rocky, volcanic stone, 1 to 2 ft. deep.  
 Timber, pinon pine, yellow pine, cedar and aspen.  
 Undergrowth, sage and yellow brush, averaging 1 ft. in height.  
 Good grass for grazing.

North, bet. secs. 7 and 12,

Ascending gradually over rolling, mountainous land, through scattering cedar and pinon pine timber, and dense, short undergrowth.

.50 Leave timber, bearing E. and W.

12.50 Top of ridge, 40 ft. above cor.; bears E. and W.  
Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, in a mound of stone, for ¼ sec. cor., with brass cap marked

¼ S. 12 | S 7  
 1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 30 ft. below ridge.

60.00 Enter scattering cedar, yellow pine and pinon pine timber, bearing E. and W.

62.60 Bottom of canyon, 80 ft. below ¼ sec. cor., drains E.  
Ascend.

72.00 Road, bears NE. and S. 20° W.

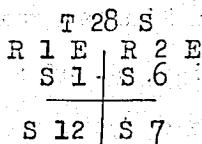
74.00 Leave timber, bearing E. and W.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 18 ins. in the ground to solid rock, in a mound of stone, for cor. of secs. 1, 6, 7 and 12, with brass cap

marked.

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains



1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

Cor. 80 ft. above canyon.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 2 ft. deep.

Timber, pinon pine and cedar, and yellow pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Good grass for grazing.

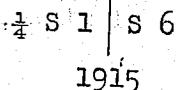
North, bet. secs. 1 and 6,

Ascending gradually over rocky, mountainous land,  
through short undergrowth.

1.45 Old road, bears E. and S.70°W.

7.85 Old road, bears N.80°E. and S.80°W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., on solid  
rock, in a mound of stone, for ¼ sec. cor., with brass  
cap marked



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

Cor. 66 ft. above sec. cor.

42.30 Top of ridge, 10 ft. above ¼ sec. cor., bears E. and W.  
Descend.

46.00 Enter scattering cedar and pinon pine timber, bearing  
E. and W.

51.00 Leave timber, bearing E. and W.

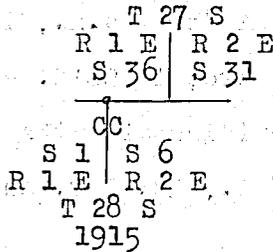
78.70 Intersect the S. bdy. of T. 27 S., R. 1 E., 5.34 chs.  
N.89°45'W. of the cor. of T. 27 S., Rs. 1 and 2 E.,  
described on page 29 of these notes. At point of

EAST BOUNDARY OF T. 28 S., R. 1 E.

Chains

intersection

Set an iron post, 3 ft. long, 3 ins. in diam., 16 ins. in the ground to solid rock, in a mound of stone, for closing cor. of T. 28 S., Rs. 1 and 2 E., with brass cap marked



and raise a mound of stone, 4 ft. base, 4 ft. high, S. of cor.

Cor. 140 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 6 ins. to 2 ft. deep.

Timber, cedar and pinon pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

July 21, 1915.

SOUTH BOUNDARY OF T. 27 S., R. 1 E.

July 28, 1915: At 8h 6m a.m., l.m.t., I set off 38°24' N. on the lat. arc; 19°10' N. on the decl. arc; and determine a meridian with the solar at the cor. of T. 27 S., Rs. 1 and 2 E., which is 5.34 chs. S.89°45'E. of the closing cor. of T. 28 S., Rs. 1 and 2 E.

Thence

West, on a random line along the south bdy. of T. 27 S., R. 1 E., setting temp.  $\frac{1}{2}$  sec. and sec. cors. at intervals of 40.00 and 80.00 chs., respectively, and at

SOUTH BOUNDARY OF T. 27 S., R. 1 E.

Chains

455.55

Intersect the Salt Lake Meridian 198 lks. S. of the old cor. of Tps. 27 and 28 S., Rs. 1 E. and 1 W., described in the retracement of the Salt Lake Meridian, T. 28 S., bet. Rs. 1 E. and 1 W.

July 28, 1915.

July 29, 1915: At 8h 6m a.m., l.m.t., I set off 38°24' N. on the lat. arc; 18°56' N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 27 and 28 S., Rs. 1 E. and 1 W.

Thence

S.89°45'E., on the S. bdy. of sec. 31,

Descending over rolling, mountainous land, through dense, short undergrowth.

14.70

Bottom of draw, drains NE., 80 ft. below Tp. cor.

Ascend.

15.55

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 31

$\frac{1}{4}$

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

Cor. 3 ft. above draw.

30.55

Top of ridge, 30 ft. above  $\frac{1}{4}$  sec. cor., bears NE. and SW. Descend.

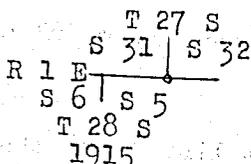
46.60

Bottom of swale, 75 ft. below ridge, drains S.70°E.

Ascend.

55.55

Set an iron post, 3 ft. long, 3 ins. in diam., 22 ins. in the ground and in a mound of stone, for cor. of secs. 31 and 32, with brass cap marked



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,

SOUTH BOUNDARY OF T. 27 S., R. 1 E.

Chains

N. of cor. stands on S. end of ridge bearing NW., 5 ft. above swale.  
 Land, rolling mountainous.  
 Soil, gravelly, volcanic stone, 1 to 3 ft. deep.  
 No timber.  
 Undergrowth, sagebrush, yellow brush and bitter brush.  
 Good grass for grazing.

S. 89° 45' E., on the S. bdy. of sec. 32,

Descending gradually over rolling, mountainous land, through dense, short undergrowth.

16.70 Bottom of swale, 50 ft. below cor., drains NE.  
 Ascend.

30.00 Top of ridge, 45 ft. above swale, bears NE. and SW.  
 Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

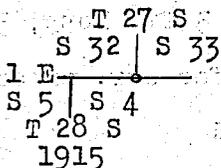
S 32  
 $\frac{1}{4}$

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Cor. 20 ft. below ridge.  
 55.00 Bottom of draw, 85 ft. below  $\frac{1}{4}$  sec. cor., drains NE.  
 Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 32 and 33, with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

SOUTH BOUNDARY OF T. 27 S., R. 1 E.

Chains

Cor. on top of ridge bearing NE. and SW., 70 ft. above draw.

Land, rolling mountainous.

Soil, gravelly, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sagebrush, yellow brush and bitter brush, averaging 1 ft. in height.

Good grass for grazing.

S.89°45'E., on the S. bdy. of sec. 33,

Descending gradually over rolling, mountainous land, through dense, short undergrowth.

29.00 Bottom of canyon, 145 ft. below cor., drains NE. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S 33

1/4

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Cor. 40 ft. above canyon.

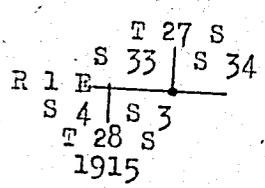
48.40 Top of ridge, 15 ft. above draw, bears N.10°E. and S. 10°W. Descend.

57.00 Bottom of draw, 35 ft. below ridge, drains NE. Ascend.

65.10 Top of ridge, 76 ft. above draw, bears N.20°E. and S. 20°W. Descend.

79.00 Bottom of canyon, 110 ft. below ridge, drains NE. Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 33 and 34, with brass cap marked



SOUTH BOUNDARY OF T. 27 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. 5 ft. above canyon.

Land, rolling mountainous.

Soil, gravelly, volcanic formation, 1 to 3 ft. deep.

No timber.

Undergrowth, sagebrush, yellow brush and bitter brush.

Good grass for grazing.

July 29, 1915: At this cor. I set off  $18^{\circ}53'N.$  on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is  $38^{\circ}24'N.$

$S.89^{\circ}45'E.$ , on the S. bdy. of sec. 34,

Ascending abruptly over rolling, mountainous land,  
through dense, short undergrowth.

15.00 Top of ridge, 85 ft. above cor., bears N. and S.  
Descend.

21.70 Bottom of swale, 30 ft. below ridge, drains N.  
Ascend.

30.00 Top of ridge, 20 ft. above swale, bears N. and S.  
Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 34

$\frac{1}{4}$

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. 25 ft. below ridge.

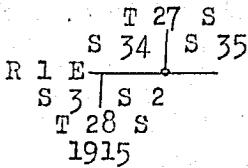
62.10 Old road, bears  $N.10^{\circ}E.$  and  $S.10^{\circ}W.$

76.10 Bottom of canyon, 180 ft. below  $\frac{1}{4}$  sec. cor., drains N.  
Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 34 and 35, with  
brass cap marked

SOUTH BOUNDARY OF T. 27 S., R. 1 E.

Chains



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.

Cor. 100 ft. above canyon.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 6 ins. to 3 ft. deep.

No timber.

Undergrowth, sagebrush, yellow brush and bitter brush.

Good grass for grazing.

S.89°45'E., on the S. bdy. of sec. 35,

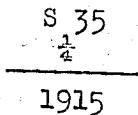
Ascending abruptly over rolling, mountainous land,  
through short, dense undergrowth, and scattering dead  
cedar and pinon pine trees.

15.00 Top of abrupt ascent, bears NW. and SE.

35.00 Top of ridge, 160 ft. above cor., bears N. and S.

Leave dead timber. Descend.

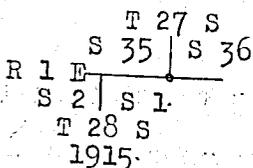
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for ¼ sec. cor., with brass cap marked



Cor. 5 ft. below ridge.

46.00 Head of hollow, 20 ft. below ¼ sec. cor., drains N.10°E.  
Ascend.

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 35 and 36, with  
brass cap marked



and raise a mound of stone, 2 ft. base, 1½ ft. high,

SOUTH BOUNDARY OF T. 27 S., R. 1 E.

Chains

N. of cor.  
Cor. on top of ridge bearing N. and W., 45 ft. above hollow.

Land, rolling mountainous.  
Soil, rocky, volcanic formation, 6 ins. to 3 ft. deep.  
Timber, dead cedar and pinon pine.  
Undergrowth, sagebrush, yellow brush and bitter brush.  
Good grass for grazing.

S.89°45'E., on the S. bdy. of sec. 36,  
Descending gradually over rolling, mountainous land,  
through dense, short undergrowth.

24.30 Bottom of canyon, 200 ft. below ridge, drains N.  
Road in bottom of canyon bears N. and S. Ascend.

30.00 Top of ridge, 35 ft. above canyon, bears N. and S.  
Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins.  
in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
with brass cap marked

$$\begin{array}{r} S\ 36 \\ \frac{1}{4} \\ \hline 1915 \end{array}$$

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. 40 ft. below ridge.

46.00 Enter scattering cedar and pinon pine, bearing NE. and SW.

58.80 Bottom of swale, 75 ft. below  $\frac{1}{4}$  sec. cor., drains N.30°E.  
Leave timber, bearing N. and S. Ascend.

68.40 Old road, bears N.80°W. and S.70°E.

74.60 Top of ridge, 30 ft. above swale, bears N. and S. Descend.

74.66 The closing cor. of T. 28 S., Rs. 1 and 2 E.

80.00 The cor. of T. 27 S., Rs. 1 and 2 E., 15 ft. below ridge.

Land, rolling mountainous.  
Soil, rocky, volcanic stone, 6 ins. to 3 ft. deep.

SOUTH BOUNDARY OF T. 27 S., R. 1 E.

Chains

Timber, scattering cedar and pinon pine.

Undergrowth, sagebrush, yellow brush and bitter brush,  
averaging 1 ft. in height.

Good grass for grazing.

July 29, 1915.

*Scott P. Stewart*

U. S. Surveyor.



FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

\_\_\_\_\_  
U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 191\_\_\_\_

The foregoing field notes of the survey of \_\_\_\_\_

\_\_\_\_\_ executed by \_\_\_\_\_ under his special instructions dated \_\_\_\_\_, 191\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

\_\_\_\_\_  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

\_\_\_\_\_  
U. S. Surveyor General.



FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_ U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final oath of U.S. Surveyor see book "J" T. 27 S., R. 1 E.

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 26, 191 7.

The foregoing field notes of the survey of the east boundary of Township No. 30 South, Range No. 1 East; south boundary of Township No. 28 South, Range No. 2 East; west boundary of Township No. 29 South, Range No. 2 East; north boundary of Township No. 29 South, Range No. 1 East; the east boundary of Township No. 28 South, Range No. 1 East; and south boundary of Township No. 27 South, Range No. 1 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart under his special instructions dated May 4, 191 4, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*[Handwritten signature]*  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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BOOK A-422

C.

KFB.

# FIELD NOTES

OF THE SURVEY OF THE

RETRACEMENT AND RESURVEY OF FREMONT VALLEY GUIDE MERIDIAN

TOWNSHIP NO. 30 SOUTH, BETWEEN RANGES 2 AND 3 EAST;

RETRACEMENT OF THE NORTH BOUNDARY

AND

SURVEY OF THE SUBDIVISION

O F

TOWNSHIP NO. 30 SOUTH, RANGE NO. 2 EAST,

Of the                      SALT LAKE BASE AND                      Meridian,

in the State of                      U T A H                     

EXECUTED BY

SCOTT P. STEWART AND EDWARD N. THOMPSON

                     and U.S. Transitman  
in the capacity of U. S. Surveyor,                     , under instructions dated                      May 4                     , 1914,

issued by the United States Surveyor General to govern surveys included in  
Group No.                      27                     , which were approved by the Commissioner of the General Land

Office,                      May 29                     , 1914; assignment instructions, issued by the  
Assistant Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced                      May 26                     , 1915,

Survey completed                      June 12                     , 1915.

4-879 b

# INDEX DIAGRAM.

Township 30 S, Range 28 E  
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BOOK A-422

*Book B*

4-679 b

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Survey commenced May 26, 1915, and executed with a Young & Sons transit No. 8146, with solar attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was approved by the assistant supervisor of surveys for the District of Utah, May 6, 1915, conditional upon satisfactory field tests.

May 22, 1915, I examined the adjustments of the transit and corrected the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceeded as follows:

At the standard cor. of Tp. 30 S., R. 3 E. heretofore described in the notes of the Sixth Standard Parallel South, through R. 2 E., lat.  $38^{\circ} 09' N.$  and longitude:  $111^{\circ} 40' 43'' W.$ , I set off  $38^{\circ} 09' N.$  on the lat. arc;  $20^{\circ} 20' N.$  on the decl. arc; and at 2h 56m p.m. l.m.t., determine with the solar a meridian, and mark a point thereof by a tack in a stake driven in the ground 5 ch. N. of the cor.

May 22, 1915.

May 23: At 3h 32.6m a.m. l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined by a tack in stake driven in the ground 5 chs. N. of my station.

At 7h 0m a.m. l.m.t., I lay off the azimuth of Polaris  $1^{\circ} 28'$  to the west, and mark the meridian thus determined by a tack in the stake set May 22, on which the meridian falls 0.23 ins. E. of the mark determined by the solar.

RETRACEMENT OF FREMONT VALLEY GUIDE MERIDIAN T. 30 S., BET. RS. 2 and 3

At 8h 57m a.m. l.m.t., I set off  $38^{\circ} 09' N.$  on the lat. arc;  $20^{\circ} 28' N.$  on the decl. arc; and mark a point in the meridian determined by the solar, by a tack in the stake previously set 5 chs. N. of my station; this mark falls 0.34 ins. E. of the meridian determined by the Polaris observation.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively 12" west and 18" east of the meridian determined by Polaris observations; I therefore conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 9h 20m a.m. is  $N. 16^{\circ} 25' W.$ ; the angle thus determined gives the mag. decl.  $16^{\circ} 25' E.$

May 26, 1915: At 8h 57m a.m. l.m.t., I set off  $38^{\circ} 12' N.$  on the lat. arc;  $21^{\circ} 02' N.$  on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 18, 19, and 24 on the Fremont Valley Guide Meridian, which is a trachyte stone 6 x 10 x 10 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. Thence

South on retracement line bet. secs. 19 and 24,

40.04 Fall 2 lks. east of the  $\frac{1}{4}$  sec. cor. bet. secs. 19 and 24, which is a trachyte stone 4 x 8 x 24 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.

The course of this half-mile is therefore  $S. 0^{\circ} 02' W.$  and distance 40.04 chs.

80.09 Fall  $4\frac{1}{2}$  lks. E. of the cor. of secs. 19, 24, 25, and 30, which is a trachyte stone 4 x 6 x 10 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.

The course of the south half-mile, is therefore  $S. 0^{\circ} 02' W.$

RETRACEMENT OF FREMONT VALLEY GUIDE MERIDIAN T.30 S., BET.RS.2 and 3 E

Chains. and distance 40.05 chs.

From the cor.of secs.19,24,25, and 30,

South on retracement line bet.secs.25 and 30,

39.98 Fall 2 lks.E.of the old  $\frac{1}{4}$  sec.cor., which is a trachyte stone 6 x 8 x 14 ins.above ground, firmly set and mkd. and witnessed as described by the surveyor general.

80.01 Fall  $4\frac{1}{2}$  lks.E.of the cor.of secs.25,30,31, and 36, which is a trachyte stone 10 x 10 x 12 ins.above ground, firmly set and marked and witnessed as described by the surveyor general.

The course of this mile is therefore S.0° 02'W. and the length of the north half-mile 39.98 chs., and the south half-mile 40.03 chs.

From the cor.of secs.25,30,31, and 36,

South, on retracement line bet.secs.31 and 36,

39.99 Fall 13 lks.E.of the  $\frac{1}{4}$  sec.cor., which is a trachyte stone 6 x 10 x 10 ins.above ground, firmly set and marked and witnessed as described by the surveyor general.

The course of the north half-mile is therefore S.0° 11'W. and the distance 39.99 chs.

74.36 Fall  $8\frac{1}{2}$  lks.W.of the standard closing cor.for T.30 S., R.2 E., heretofore described in the notes of the sixth standard parallel south, R.2 E.

80.05 Fall 9 lks.W.of the standard cor.of T.30 S., R.3 E., heretofore described.

The course of the south half-mile is therefore S.0° 19'E. and the distance 40.06 chs.

May 26, 1915: At this cor.I set off 21° 03'N .on the decl.arc; and at apparent noon observe the sun on the meridian; the resulting lat.is 38° 09'N.

Chains.

May 29, 1915: I proceed to the cor. of Tps. 29 and 30 S., R. 2 and 3 E., which is a trachyte stone 6 x 10 x 12 ins. above ground, marked and witnessed as described by the surveyor general, 5 lks. west of which is an iron post 4 ins. in dia., set for U.S. Forest Reserve Edy. Post No. 107, and witness cor. to cor. of Tps. 29 and 30 S., R. 2 and 3 E., firmly set and marked and witnessed as described by the surveyor general.

May 29: At this cor. I set off  $21^{\circ} 23' N.$  on the decl. arc; and at apparent noon observe the sun on the meridian, the resulting lat. is  $38^{\circ} 15' N.$

Thence

South on retracement line bet. secs. 1 and 6,

39.45 Fall  $1\frac{1}{4}$  lks. west of the old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 4 x 6 x 10 ins. above ground, marked and witnessed as described by the surveyor general.

79.55 Fall  $2\frac{1}{2}$  lks. west of the old cor. of secs. 1, 6, 7, and 12, which is a trachyte stone 6 x 8 x 18 ins. above ground, marked and witnessed as described by the surveyor general.

The course of the north half-mile is therefore  $S. 0^{\circ} 01' E.$  39.45 chs., and the south half-mile  $S. 0^{\circ} 01' E.$  40.10 chs.

From the cor. of secs. 1, 6, 7, and 12,

South on retracement line bet. secs. 7 and 12,

39.85 Fall 8 lks. east of the old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 8 x 14 x 18 ins. above ground, marked and witnessed as described by the surveyor general.

79.81 Fall  $11\frac{1}{4}$  lks. east of the old cor. of secs. 7, 12, 13, and 18, which is a trachyte stone 6 x 6 x 16 ins. above ground, marked and witnessed as described by the surveyor general.

The course of the north half-mile is therefore  $S. 0^{\circ} 07' W.$  and distance 39.85 chs.; and of the south half-mile

RETRACEMENT OF FREMONT VALLEY GUIDE MERIDIAN T.30 S, BET. RS. 2 and 3 E.

Chains.

S.0° 02'W. and distance 39.96 chs.

39.94 From the cor. of secs. 7, 12, 13, and 18,  
South on retracement line bet. secs. 13 and 18,  
Fall 2½ lks. E. of the old ¼ sec. cor., which is a trachyte  
stone 12 x 12 x 16 ins. above ground, marked and wit-  
nessed as described by the surveyor general.

80.31 Fall 26 lks. E. of the old cor. of secs. 13, 18, 19, and 24,  
already described.

The course of the north half-mile is therefore S.0° 02'W.  
and distance 39.94 chs.; and the south half-mile S.0°  
21'W. and distance 40.37 chs.

May 29, 1915.

Note: This guide meridian being out of limit for mea-  
surement I resurvey as follows:

May 26: From the standard closing cor. of T.30 S.R.2 E.  
heretofore described,

N.0° 19'W. on true resurvey line along E. side of sec. 36,  
Descending over rolling, mountainous land; through heavy  
growth of pine and aspen timber.

7.30 Leave timber, bearing E. and W.; enter sagebrush.

19.30 Enter pine and aspen timber, bearing N.70°W. and S.70°E.

20.80 Draw, 156 ft. below sec. cor., course N.80° W.

Ascend.

28.90 Spur, 30 ft. above draw, projects N.85° W.

Difference between measurements of 34.37 chs. by two sets  
of chainmen is 4 lks.; position of middle point,

By 1st set 34.35 chs.

By 2d set 34.39 chs.; the mean of which is

34.37 The ¼ sec. cor. bet. secs. 31 and 36, which I remonument as  
follows:

Set an iron post 3 ft. long, 1 in. in dia., 19 ins. in the

RESURVEY OF FREMONT VALLEY GUIDE MERIDIAN T.30 S., BET.RS.2 and 3 E.

Chains.

ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec.cor.sec.31, with brass cap marked

$\frac{1}{4}$  S 31  
1915

I deface the bearing tree referring to sec.36, and mark an additional tree as follows:

A pine 16 ins.dia., bearing S.70° E.41 lks.dist.

I mark  $\frac{1}{4}$  S 31 B T

From  $\frac{1}{4}$  sec.cor.I run

N.0° 11'E.

Difference between measurements of 40.00 chs.by two sets of chainmen is 4 lks.; position of middle point

By 1st set 39.98 chs.

By 2d set 40.02 chs.; the mean of which is

40.00

Set an iron post 3 ft.long, 10 ins.in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec.cor.sec.36, with brass cap marked

$\frac{1}{4}$  S 36  
1915

from which

A pine 24 ins.dia.bears S.21° 45'W: 45 lks.dist.

marked  $\frac{1}{4}$  S 36 B T

A pine, 30 ins.dia., bears S.84° W., 29 lks.dist.

marked  $\frac{1}{4}$  S 36 B T

53.00

Leave timber, bearing S.60° W. and N.60° E.

65.50

Gulch, 300 ft.below closing cor., course N.60° E.

Difference between measurements of 74.36 chs., by two sets of chainmen is 6 lks.; position of middle point

By 1st set 74.33 chs.

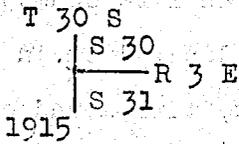
By 2d set 74.39 chs., the mean of which is

74.36

The cor.of secs.25,30,31, and 36, which I remonument as follows:

Set an iron post 3 ft.long, 3 ins.in dia., 12 ins.in the ground, to solid rock, with mound of stone around post, for cor.of secs.30 and 31, T.30 S., R.3 E., with brass cap marked

Chains.



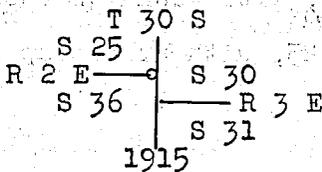
I rebuild mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
 Corner is 15 ft. above gulch.

Difference between measurements of 80.00 chs. by two sets  
 of chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

By 2d set 80.03 chs.; the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the  
 ground, for cor. of secs. 25 and 36 T.30 S., R.2 E.  
 with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Corner is 10 ft. below cor. of secs. 30 and 31.

Land, rolling, mountainous.

Soil, rocky clay loam.

Undergrowth, sagebrush and grass.

Timber, pinon pine and aspen.

N.0° 02'E. along E. side of sec. 25,

Descending, over rolling mountainous land; through sage-  
 brush and grass.

7.15 Old road to Loa, bears NE. and SW.

22.90 Gully, 65 ft. below sec. cor., course NE.

Ascend.

30.40 Spur, 25 ft. above gully, projects N.60° E.

Difference between measurements of 34.39 chs., by two  
 sets of chainmen is 2 lks.; position of middle point

By 1st set 34.38 chs.

By 2d set 34.40 chs., the mean of which is

Chains.

34.39 The old  $\frac{1}{4}$  sec. cor., which I remonument as follows:  
 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the  
 ground, to solid rock, with mound of stone around post,  
 for  $\frac{1}{4}$  sec. cor. of sec. 30, with brass cap marked

$\frac{1}{4}$   
 |  
 S 30  
 1915

Rebuild mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
 Difference between measurements of 40.00 chs. by two sets  
 of chainmen is 2 lks.; position of middle point

By 1st set 39.99 chs.

By 2d set 40.01 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the  
 ground, to solid rock, with mound of stone around post,  
 for  $\frac{1}{4}$  sec. cor. of sec. 25, with brass cap marked

$\frac{1}{4}$  S 25  
 |  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

45.00 Draw, 55 ft. below spur, course E.  
 Ascend.

59.30 Ridge, 45 ft. above draw, bears NE. and SW.  
 Difference between measurements of 74.37 chs. by two sets  
 of chainmen is 6 lks.; position of middle point

By 1st set 74.34 chs.

By 2d set 74.40 chs.; the mean of which is

74.37 The old cor. of secs. 19, 24, 25, and 30, which I remonument  
 as follows:

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the  
 ground, for cor. of secs. 19 and 30, T.30 S., R.3 E.,  
 with brass cap marked

T 30 S  
 |  
 S 19  
 ——— R 3 E  
 |  
 S 30  
 1915

Rebuild mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
 Difference between measurement of 30.00 chs. by two sets  
 of chainmen is 6 lks.; position of middle point

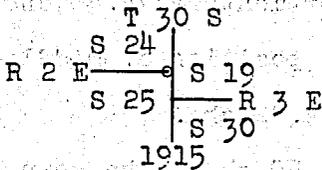
Chains.

By 1st set 79.97 chs.

By 2d set 80.03 chs., the mean of which is

80.00

Set an iron post, 3 ft. long, 3 ins. dia., 22 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 24 and 25 T. 30 S., R. 2 E., with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land, rolling, mountainous.

Soil, clay loam and gravel.

Undergrowth, sage, yellow brush, and grass.

No timber.

N. 0° 02' E. along E. side of sec. 24,

Over rolling mountainous land; descending through scattering pine and aspen timber.

14.37

Draw, 80 ft. below sec. cor., course N. 35° E. Ascend.

Difference between measurements of 34.42 chs. by two sets of chainmen is 4 lks.; position of middle point

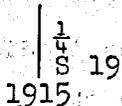
By 1st set 34.40 chs.

By 2d set 34.44 chs., the mean of which is

34.42

The old ¼ sec. cor., which I re-monument as follows:

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor. sec. 19, with brass cap marked



I rebuild mound of stone 2 ft. base, 1½ ft. high E. of cor.

Corner on ridge, bearing NE. and SW., 20 ft. above draw.

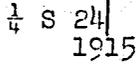
Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 39.98 chs.

By 2d set 40.02 chs.; the mean of which is

Chains.

40.00 Set an iron post 3 ft.long, 1 in.in dia., 18 ins.in the ground, to solid rock; with mound of stone around post, for  $\frac{1}{4}$  sec.cor.sec.24, with brass cap marked



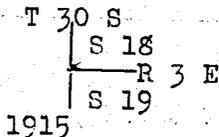
Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high W.of cor. Difference between measurement of 74.46 chs.by two sets of chainmen is 8 lks.; position of middle point

By 1st set 74.42 chs.

By 2d set 74.50 chs., the mean of which is

74.46 The old cor.of secs.13,18,19, and 24, which I remonument as follows:

Set an iron post, 3 ft.long, 3 ins.in dia., 24 ins.in the ground, for cor.of secs.18 and 19, T.30 S., R.3 E., with brass cap marked



Rebuild mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high E.of cor.

May 26, 1915

May 29, 1915: Rain storm prevents work in a.m.

From above described cor.of secs.18 and 19, I run, with continuous measurement,

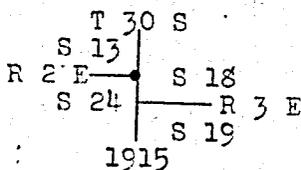
N.0° 21'E. on E.side of sec.24,

Difference between measurements of 80.00 chs.by two sets of chainmen is 8 lks.; position of middle point

By 1st set 79.96 chs.

By 2d set 80.04 chs.; the mean of which is

80.00 Set an iron post 3 ft.long, 3 ins.in dia., 24 ins.in the ground, for cor.of secs.13 and 24, T.30 S., R.2 E., with brass cap marked



Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high W.of cor.

Chains. Land, rolling, mountainous.

Soil, gravel and clay.

Undergrowth, sage and yellow brush and grass.

Timber, pine and aspen.

May 29, 1915: At 2h 57m p.m.l.m.t., I set off  $38^{\circ} 12' N.$  on the lat.arc;  $21^{\circ} 34' N.$  on the decl.arc; and determine a meridian with the solar at the of secs.13 and 24.

Thence

$N.0^{\circ} 21' E.$  along E.side of sec.13,

Descending over rolling mountainous land; through sage and yellow brush.

27.00 Draw, 100 ft.below sec.cor., course NE.

Difference between measurement of 34.83 chs.by two sets of chainmen is 2 lks.; position of middle point

By 1st set 34.82 chs.

By 2d set 34.84 chs., the mean of which is

34.83 The old  $\frac{1}{4}$  sec.cor., which I remonument as follows:

Set an iron post 3 ft.long, 1 in.in dia., 8 ins.in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec.cor.for sec.13, with brass cap marked

$\frac{1}{4}$   
S 13

1915

Rebuild mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high E.of cor.

Thence

$N.0^{\circ} 02' E.$

35.50 Spur, 10 ft.above draw, projects E. Descend.

Difference between measurements of 40.00 chs.by two sets of chainmen is 2 lks.; position of middle point

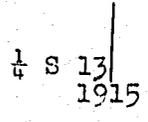
By 1st set 39.99 chs.

By 2d set, 40.01 chs.; the mean of which

40.00 Set an iron post 3 ft.long, 1 in.in dia., 8 ins.in the ground, to solid rock, with mound of stone around post for  $\frac{1}{4}$  sec.cor.sec.13, with brass cap marked

RESURVEY OF FREMONT VALLEY GUIDE MERIDIAN, T.30 S., BET. RS. 2 and 3 E.

Chains.



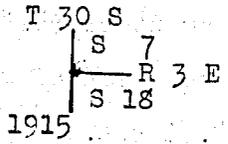
40.50 Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
 Draw, 8 ft. below top of spur, course E.  
 Difference between measurements of 74.77 chs. by two sets  
 of chainmen is 6 lks.; position of middle point

By 1st set 74.74 chs.

By 2d set 74.80 chs., the mean of which is

74.77 The old cor. of secs. 7, 12, 13, and 18, which I remonument  
 as follows:

Set an iron post 3 ft. long, 3 ins. in dia., 14 ins. in the  
 ground, to solid rock, with mound of stone around post,  
 for cor. of secs. 7 and 18, T.30 S., R.3 E., with brass  
 cap marked

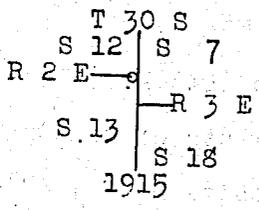


I rebuild mound of stone 2 ft. base, 1 1/2 ft. high E. of cor.  
 Difference between measurement of 80.00 chs. by two sets  
 of chainmen is 6 lks.; position of middle point

By 1st set 79.97 chs.

By 2d set 80.03 chs.; the mean of which is

80.00 Set an iron post 3 ft. long, 3 ins. in dia., 10 ins. in the  
 ground, to solid rock, with mound of stone around post  
 for cor. of secs. 12 and 13, T.30 S., R.2 E., with brass  
 cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
 Corner is 3 ft. above draw.

Land, rolling, mountainous.

Soil, gravel and clay loam, rocky.

Undergrowth, sage and yellow brush.

No timber.

Chains.

N.0° 02'E.along E.side of Sec.12,  
 Over rolling, mountainous land; through sage and yellow  
 brush and scattering pine and cedar timber.

9.80 Small cedar knoll, 6 chs.west of line.  
 Difference bet.measurements of 34.73 chs.by two sets  
 of chainmen is 2 lks.; position of middle point  
 By 1st set 34.72 chs.  
 By 2d set 34.74 chs., the mean of which is

34.73 The old  $\frac{1}{4}$  sec.cor., which I remonument as follows:  
 Set an iron post 3 ft.long, 1 in.in dia., 22 ins.in the  
 ground, to solid rock, with mound of stone around post,  
 for  $\frac{1}{4}$  sec.cor.sec.7, with brass cap marked

$\frac{1}{4}$   
 S 7  
 1915

Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high E.of cor.  
 Thence N.0° .07'E.  
 Difference between measurements of 40.00 chs.by two sets  
 of chainmen is 2 lks.; position of middle point  
 By 1st set 39.99 chs.  
 By 2d set 40.01 chs., the mean of which is

40.00 Set an iron post 3 ft.long, 1 in.in dia., 18 ins.in the  
 ground, to solid rock, with mound of stone around post,  
 for  $\frac{1}{4}$  sec.cor.sec.12, with brass cap marked

$\frac{1}{4}$  S 12  
 1915

Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high W.of cor.

47.80 Draw, 45 ft.below cor.of secs.7 and 12, course E.  
 Ascend.

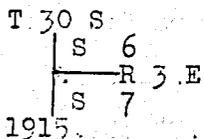
54.95 Spur, 15 ft.above draw, projects NE.  
 Descend.

60.80 Draw, 75 ft.below spur, course NE.  
 Difference between measurements of 74.58 chs.by two sets  
 of chainmen is 4 lks.; position of middle point  
 By 1st set 74.56 chs.  
 By 2d set 74.60 chs.; the mean of which is

Chains.

74.58 The old cor. of secs. 1, 6, 7, and 12, which I remonument as follows:

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 6 and 7 T.30 S., R.3 E., with brass cap marked.



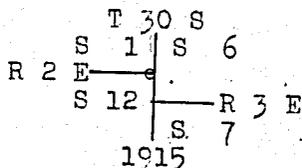
Rebuild mound of stone 2 ft. base, 1½ ft. high E. of cor. Thence N.0° 01' W.

Difference between measurements of 80.00 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 79.98 chs.

By 2d set 80.02 chs.; the mean of which is

80.00 Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 1 and 12 T.30 S., R.2 E., with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land, rolling, mountainous.

Soil, clay loam and gravel.

Undergrowth, sage and yellow brush, and grass.

Timber, pine and cedar.

N.0° 01' W. along E. side of sec. 1,

Over rolling mountainous land; through sage and yellow brush.

.60 Spur, 5 ft. above sec. cor., projects E. Descend.

21.40 Draw, 40 ft. below spur, course E. Ascend.

30.60 Ridge, 10 ft. above draw, bears E. and W. Thence along top of ridge.

Chains.

Difference between measurements of 34.63 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set 34.65 chs.

By 2d set 34.71 chs.; the mean of which is

34.68 The old  $\frac{1}{4}$  sec. cor., which I remonument as follows:

Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. sec. 6, with brass cap marked

$\frac{1}{4}$  S 6  
1915

Rebuild mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.

Difference between measurement of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point

By 1st set 39.97 chs.

By 2d set 40.03 chs.; the mean of which is

40.00 Set an iron post 3 ft. long, 1 in. in dia., 20 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., sec. 1, with brass cap marked

$\frac{1}{4}$  S 1  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

43.10 Road, on ridge, bears NE. and SW., 10 ft. below  $\frac{1}{4}$  sec. cor.

49.00 Descend abruptly, through dense growth of pine and cedar timber, bearing N.  $60^\circ$  E. and S.  $60^\circ$  W.

Difference between measurements of 74.13 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 74.11 chs.

By 2d set 74.15 chs.; the mean of which is

74.13 The cor. of Tps. 29 and 30 S., Rs. 2 and 3 E., heretofore described.

175 ft. below ridge.

Land, rolling, mountainous.

Soil, gravel, clay loam, and shale rock.

Undergrowth, sage and yellow brush.

Timber, pine and cedar.

May 29, 1915.

Edward N. Thompson  
U.S. Transitman.

RETRACEMENT NORTH BOUNDARY T.30 S., R.2 E.

Chains.

Survey commenced May 29, 1915, and executed with a Young & Sons solar transit No. 8584, for description and test of which see notes of the sixth standard parallel south, through R.2 E., book "A" of this group.

May 29, 1915: Rain in a.m. prevents field work. At 2h. Om p.m. l.m.t., I set off 21° 34' N. on the decl. arc; 38° 14' N. on the lat. arc; and determine a meridian with the solar at the cor. of Tps. 29 and 30 S., Rs. 2 and 3 E. heretofore described.

Thence

West, on retracement line between secs. 1 and 36, Descending over rolling mountainous land, through scattering pinon pine timber and dense short undergrowth.

2.30 Draw, 50 ft. below Tp. cor., course N.

Ascend.

11.20 Top of ridge, bearing NE. and SW., 125 ft. above draw.

Descend.

16.50 Bottom of draw, 40 ft. below ridge, course NE.

Ascend.

20.60 Top of ridge, 40 ft. above draw, bearing NE. and SW.

Descend.

35.30 Bottom of draw, 10 ft. below ridge, course N. 60° E.

Ascend.

37.50 Top of spur, 25 ft. above draw, bearing NW. and SE.

Descend.

39.87 Fall 2½ lks. N. of the old ¼ sec. cor., which is a volcanic stone 14 x 14 x 8 ins. above ground, marked and witnessed as described by the surveyor general.

Set an iron post 3 ft. long, 1 in. in dia., 10 ins. in the ground, to solid rock, with mound of stone around post, for ¼ sec. cor., with brass cap marked

S 36  
¼  
S 1  
1915

Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

RETRACEMENT NORTH BOUNDARY T.30 S., R.2 E.

Chains. Corner is 3 ft. below ridge, and set beside old  $\frac{1}{4}$  sec. cor.  
 40.80 Bottom of draw, 2 ft. below  $\frac{1}{4}$  sec. cor., course SE.  
 Ascend.  
 57.20 Top of ridge, 105 ft. above draw, bearing N. 20° E. and S.  
 20° W.  
 Descend.  
 79.70 Bottom of canyon, 265 ft. below ridge, course NE.  
 Ascend.  
 79.79 True point for cor. of secs. 1, 2, 35, and 36.  
 80.09 Fall 4 lks. N. of the witness cor. to cor. of secs. 1, 2, 35,  
 and 36, which is also U.S. Forest Reserve Bdy. Post No.  
 108, an iron post 4 ins. in dia., set in ground and sur-  
 rounded by mound of stone, marked and witnessed as de-  
 scribed by the surveyor general.  
 Land, rolling, mountainous.  
 Soil, rocky, 1 to 2 ft. deep; subsoil volcanic rock.  
 Undergrowth, sage and yellow brush; average height 1 ft.  
 Good grass for grazing.  
 Timber, pinon pine, scattering.  
 The course of this line is therefore S. 89° 53' W. 80.09 chs.

From true point for cor. of secs. 1, 2, 35, and 36  
 West on retracement line bet. secs. 2 and 35,  
 Ascending over rolling mountainous land; through scatter-  
 ing cedar and pinon pine timber.

.30 Witness cor. to cor. of secs. 1, 2, 35, and 36.  
 19.30 Top of ridge, 300 ft. above sec. cor. bears NW. and SE. Desc.  
 26.00 Bottom of draw, 65 ft. below ridge, course SW.  
 Ascend.  
 40.06 Fall 3 lks. N. of old  $\frac{1}{4}$  sec. cor., which is a trachyte stone  
 6 x 8 x 8 ins. above ground, marked and witnessed as de-  
 scribed by the surveyor general.  
 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor., with  
 brass cap marked

-18-

RETRACEMENT NORTH BOUNDARY T.30 S., R.2 E.

Chains.

S 35  
 $\frac{1}{4}$   
 S 2  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 Corner is 75 ft. above draw.

45.40 Top of ridge, 35 ft. above  $\frac{1}{4}$  sec. cor. bears N.  $20^{\circ}$  W. and S.  $20^{\circ}$  E.

51.00 Bottom of draw, 35 ft. below ridge, course SE.

Ascend.

76.50 Top of ridge, 140 ft. above draw, bearing NE. and SW.

Descend.

79.79 Fall 4 lks. N. of the old cor. of secs. 2, 3, 34, and 35, which is also U.S. Forest Reserve Bdy. Post No. 109, an iron post 4 ins. in dia., extending 24 ins. above ground, with mound of stone around post, marked and witnessed as described by the surveyor general.

The course of this mile is therefore S.  $89^{\circ} 58'$  W. and the distance 79.79 chs.

Land, rolling, mountainous.

Soil, rocky, 1 to 2 ft. deep; subsoil, volcanic rock.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

Timber, scattering cedar and pinon pine.

May 29, 1915.

June 1, 1915: At 6h 57m a.m. l.m.t., I set off  $21^{\circ} 59'$  N. on the decl. arc;  $38^{\circ} 14'$  N. on the lat. arc, and determine a meridian with the solar at the cor. of secs. 2, 3, 34, and 35. Thence

S.  $89^{\circ} 58'$  W. on retracement line bet. secs. 3 and 34,

Descending over rolling mountainous land; through dense short undergrowth.

35.00 Bottom of swale, 60 ft. below sec. cor., course SE.

Ascend.

39.96 Intersect the old  $\frac{1}{4}$  sec. cor., which is a volcanic rock, 3 x 3 x 3 ins. above ground, marked and witnessed as

RETRACEMENT NORTH BOUNDARY T. 30 S., R. 2 E.

Chains.

described by the surveyor general.

Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor. (alongside of old cor.) with brass cap marked

$$\begin{array}{r} S \ 34 \\ \hline S \ .3 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Corner is 5 ft. above swale.

56.00 Top of broad flat ridge, 10 ft. above swale, bearing NW. and SE.

Descend.

58.95 Old road, Loa to Antelope Springs, bears N. 20° E. and S. 20° W.

64.40 Swale, 10 ft. below ridge, course SW.

Ascend.

75.00 Top of spur, 10 ft. above swale, bearing NW. and SE.

Descend.

79.96 Intersect the cor. of secs. 3, 4, 33, and 34, which is also U.S. Forest Reserve Bdy. Post No. 110, an iron post, 4 ins. in dia., properly set and marked and witnessed as described by the surveyor general.

Corner is 5 ft. below ridge.

Land, rolling, mountainous.

Soil, rocky, 1 to 2 ft. deep, volcanic formation.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

No timber.

S. 39° 58' W. on retracement line bet. secs. 4 and 33,

Descending over rolling, mountainous land; through dense short undergrowth.

5.00 Bottom of draw, 5 ft. below spur, course SE.

13.20 Old road, bears NE. and SW.

18.80 Top of ridge, 120 ft. above draw, bearing NW. and SE.

- Chains. Descend.
- 27.00 Swale, 15 ft. below ridge, course SE.  
Ascend.
- 35.00 Top of small ridge, 4 ft. above swale, bearing N. and S.  
Descend
- 39.98 Fall  $\frac{1}{2}$  lk. N. of the old  $\frac{1}{4}$  sec. cor., which is a volcanic rock 12 x 8 x 6 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.  
Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor., with brass cap marked
- $$\begin{array}{r} S. 33 \\ \frac{1}{4} \\ \hline S. 4 \\ 1915 \end{array}$$
- 68.30 Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
Bottom of draw, 45 ft. below  $\frac{1}{4}$  sec. cor., course NW.  
Ascend.
- 74.00 Top of spur, 10 ft. above draw, bearing NW. and SE.
- 79.95 Intersect the cor. of secs. 4, 5, 32, and 33, which is also U.S. Forest Reserve Bdy. Post No. 111, an iron post, 4 ins. in dia., firmly set and marked and witnessed as described by the surveyor general.

Land, mountainous, rolling.

Soil, rocky, 1 to 2 ft. deep; subsoil, volcanic rock.

Undergrowth, sage and yellow brush, average height 1 ft.

Good grass for grazing.

No timber.

June 1, 1915: At this cor. I set off  $22^{\circ} 00' N.$  on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is  $38^{\circ} 14' N.$

S.  $89^{\circ} 58' W.$  on retracement line bet. secs. 5 and 32,  
Descending over rolling mountainous land; through dense short undergrowth.

RETRACEMENT NORTH BOUNDARY T.30 S., R.2 E.

Chains.

23.00 Draw, 41 ft. below ridge, course NW.  
Ascend.

34.90 Old road, bears N.80° E. and S.80° W.

38.00 Top of ridge, 30 ft. above draw, bearing NW. and SE.  
Descend.

39.98 Intersect old  $\frac{1}{4}$  sec. cor., which is a volcanic rock, 30 x 12 x 30 ins., firmly set and marked and witnessed as described by the surveyor general.  
Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S\ 32 \\ \frac{1}{4} \\ \hline S\ 5 \\ 1915 \end{array}$$

Raise a mound of stone. 2 ft. base, 1 $\frac{1}{2}$  ft. high N. of cor.

79.96 Intersect the cor. of secs. 5, 6, 31, and 32, which is also U.S. Forest Reserve Bdy. Post No. 112, an iron post 4 ins. in dia., firmly set and marked and witnessed as described by the surveyor general.  
Corner is 50 ft. below ridge.  
Land, rolling, mountainous.  
Soil, rocky, 1 to 2 ft. deep; subsoil volcanic rock.  
Undergrowth, sage and yellow brush, 1 ft. high.  
Good grass for grazing.  
No timber.

S.89° 58' W. on retracement line bet. secs. 6 and 31,  
Descending over rolling mountainous land; through dense short undergrowth.

8.80 Main canon from south, 65 ft. below sec. cor., course N. 20° E. Ascend.

14.00 Top of ridge, 30 ft. above canon, bearing N. and S.  
Descend.

39.96 Intersect the old  $\frac{1}{4}$  sec. cor., which is a volcanic rock

RETRACEMENT NORTH BOUNDARY T.30 S., R.2 E.

Chains.

6 x 18 x 6 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.

Set an iron post 3 ft. long, 1 in. in dia., 2 1/4 ins. in the ground, alongside of old cor., for 1/4 sec. cor., with brass cap marked

S 31  
1/4  
S 6  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Corner is 30 ft. below ridge.

42.00 Bottom of draw, 5 ft. below 1/4 sec. cor., course N. Ascend.

50.00 Top of ridge, 20 ft. above draw, bearing NW. and SE. Descend.

76.00 Bottom of draw, course NW., 30 ft. below ridge. Ascend.

79.43 The cor. of Tps. 29 and 30 S., Rs. 1 and 2 E. Land, rolling, mountainous. Soil, rocky, 1 to 2 ft. deep; subsoil, volcanic stone. Undergrowth sage and yellow brush, 1 ft. high. Good grass for grazing. No timber.

June 1, 1915.

*Scott V. Stewart*

U.S. Surveyor.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

Survey commenced May 27, 1915, and executed with a Young & Sons transit, No. 8146, with solar attachment, for description and test of which see page 1 of this book. May 27, 1915: At 7h 57m a.m. l.m.t., I set off 21° 12' N. on the decl. arc; 38° 09' N. on the lat. arc; and determine a meridian with the solar at the standard cor. of secs. 35 and 36 on S. bdy. of Tp., heretofore described.

Thence

N. 0° 05' W. bet. secs. 35 and 36,

Descending over rolling, mountainous land, through dense sagebrush.

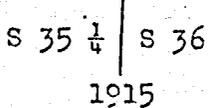
3.40 Draw, 8 ft. below sec. cor., course NE.

Ascend.

12.50 Ridge, 10 ft. above draw, bears N. 20° E. and S. 20° W.

31.40 Fall 65 lks. west of an aspen post, 8 ft. high, in stone mound, marked in pencil County Monument.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 10 ins. in the ground, to solid rock, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

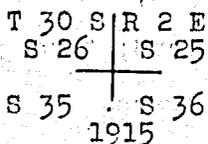


Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

From 1/4 sec. cor., school house in Thurber, bears N. 29° 09' E. about 15 miles dist.

South end of aspen grove 8 chs. west of line.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 10 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 25, 26, 35, and 36, with brass cap mkd.



Raise mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Land, rolling, mountainous.

Soil, gravel, and rocky, clay loam.

Undergrowth, sage and bunch grass.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

No timber.

East on a random line bet. secs. 25 and 36,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect E. bdy. of Tp., Fremont Valley Guide Meridian,  
at the cor. of secs. 25 and 36, heretofore described.

May 27, 1915: At this cor. I set off  $21^{\circ} 13' N.$  on the decl.  
arc; and at apparent noon observe the sun on the merid-  
ian; the resulting lat. is  $38^{\circ} 10' N.$

Thence west on true line bet. secs. 25 and 36,

Over rolling land; through sagebrush and bunch grass.

2.00 Old road, bears  $N. 15^{\circ} E.$  and SW.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 25  
 $\frac{1}{4}$   

---

S 36  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

65.00 Begin abrupt descent, bearing S. and NE.

77.20 Old road, bears N. and S.

80.00 The cor. of secs. 25, 26, 35, and 36.

Land, rolling.

Soil, gravel and clay loam.

Undergrowth, sagebrush and bunch grass.

No timber.

N.  $0^{\circ} 01' E.$  bet. secs. 25 and 26,

Over rolling mountainous land; through sage and yellow  
brush, 6 in. high; some grass.

10.35 Old road, bears NE. and SW.

12.55 Draw, 50 ft. below sec. cor., course NE.

Ascend.

18.50 Spur, 25 ft. above draw, bears  $N. 40^{\circ} E.$  and  $S 40^{\circ} W.$

Descend.

SUBDIVISION OF T.30 S., R.2 E.

Chains.  
40.00

Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 26  $\frac{1}{4}$  | S 25  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is 25 ft. below spur.

Descend.

80.00

Set an iron post 3 ft. long, 2 ins. in dia., 8 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 23, 24, 25, and 26, with brass cap marked

T 30 S R 2 E  
S 23 | S 24  
S 26 | S 25  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is 100 ft. below spur.

Land, rolling, mountainous.

Soil, gravel and clay loam.

Undergrowth, dense sage and yellow brush.

No timber. Good grass for grazing.

May 27, 1915.

May 31, 1915: At 7h 57m a.m. l.m.t., I set off  $38^{\circ} 11' N.$  on the lat. arc;  $21^{\circ} 50' N.$  on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23, 24, 25, and 26.

Thence

East on a random line bet. secs. 24 and 25,

40.00

Set temp.  $\frac{1}{4}$  sec. cor.

80.10

Intersect E. bdy. of Tp., Fremont Valley Guide Meridian,  $2\frac{1}{2}$  lks. S. of the cor. of secs. 24 and 25, heretofore described.

Thence

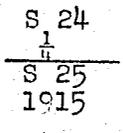
S.  $89^{\circ} 59' W.$  on true line bet. secs. 24 and 25,

Descending over rolling mountainous land; through sage yellow brush and grass.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

- 3.60 Draw, 30 ft. below sec. cor., course N.15° E. Scattering pines and cedars in draw.
- 14.10 Edge of draw, bearing N.15° E. and S.15° W.
- 40.05 Ridge, 70 ft. above draw, bears N.20° E. and S.20° W.  
Set an iron post 3 ft. long, 1 in. in dia., 20 ins. in the ground, to solid rock, with mound of stones around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

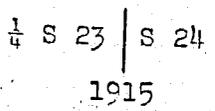


Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Desc.

- 52.20 Old road, bears NE. and SW.
- 60.10 Draw, 30 ft. below  $\frac{1}{4}$  sec. cor., course NE. Ascend.
- 80.10 The cor. of secs. 23, 24, 25, and 26, 40 ft. above draw.  
Land, rolling, mountainous.  
Soil, gravel and clay loam.  
Undergrowth, sage and yellow brush and grass.  
Timber, pinon pine and cedars.

N.0° 01'E. bet. secs. 23 and 24,  
Over rolling, mountainous land; through sage and yellow brush; descending gently.

- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 10 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked



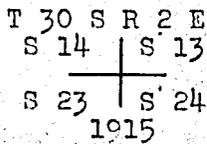
Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner is 135 ft. below sec. cor.

- 43.00 Draw, 170 ft. below sec. cor., course N.20° E.
- 45.50 Old road, in draw, bears N.20° E. and S.50° W.; draw drains NE. Ascend.
- 70.00 South edge of ridge, 10 ft. above draw, bearing NE. and SW
- 80.00 On broad ridge, bearing NE. and SW.  
Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the

SUBDIVISION OF T.30 S., R.2 E.

Chains.

ground, for cor. of secs. 13, 14, 23, and 24, with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Land, rolling, mountainous.

Soil, gravel and clay loam.

Undergrowth, sage and yellow brush, and grass.

No timber.

May 31, 1915: At this cor. I set off 21° 51' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 38° 12' N.

N. 89° 59' E. on random line bet. secs. 13 and 24,

40.00 Set temp. ¼ sec. cor.

30.09 Intersect E. bdy. of Tp., Fremont Valley Guide Meridian, 3 lks. south of the cor. of secs. 13 and 24, heretofore described. Thence

S. 89° 58' W. on true line bet. secs. 13 and 24,

Over rolling, mountainous land; through sage and yellow brush, and grass. Descend.

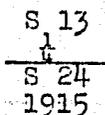
6.09 Edge of draw, bearing NE. and SW., 5 ft. below sec. cor. Descend.

25.09 Bottom of draw, 25 ft. below edge, course NE. Ascend.

26.19 Old road, bearing NE. and SW. Thence ascend end of spur, bearing NE. and SW.

37.09 Top of ascent.

40.04½ Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, to solid rock, with mound of stone around post, for ¼ sec. cor., with brass cap marked



SUBDIVISION OF T.30 S., R.2 E.

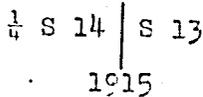
Chains.

80.09 Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.  
 The cor. of secs. 13, 14, 23, and 24, 5 ft. above ¼ sec. cor.  
 Land, rolling, mountainous.  
 Soil, gravel and clay loam.  
 Undergrowth, sage, yellow brush, and grass.  
 No timber.

N. 0° 10' E. bet. secs. 13 and 14,  
 Descending, over rolling land, sloping north; through  
 sage and yellow brush.

25.00 Begin more abrupt descent, bearing NE. and SW.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 2½ ins. in the  
 ground, for ¼ sec. cor., with brass cap marked



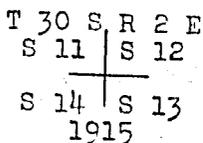
Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

53.30 Old road to Loa, bears NE. and SW.

54.70 Small wash, course NE.

55.00 Draw, 120 ft. below sec. cor., course E. Ascend.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 5 ins. in the  
 ground, to solid rock, with mound of stones around  
 post, for cor. of secs. 11, 12, 13, and 14, with brass cap  
 marked.



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Corner is 5 ft. above draw.

Land, rolling.

Soil, gravel and clay loam.

Undergrowth, sage and yellow brush.

No timber. Good grass for grazing.

May 31, 1915.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

June 1, 1915: At 7h 57m a.m. l.m.t., I set off  $38^{\circ} 13' N.$  on the lat. arc;  $21^{\circ} 59' N.$  on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13, and 14. Thence

$N.89^{\circ} 58' E.$  on a random line bet. secs. 12 and 13.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.01 Intersect E. bdy. of Tp., Fremont Valley Guide Meridian, 2 lks. N. of the cor. of secs. 12 and 13, heretofore described. Thence

$S.89^{\circ} 59' W.$  on true line bet. secs. 12 and 13,

Over rolling land, through sage and yellow brush; ascending gently.

20.01 Top of gentle ascent bearing N. and S.

40.00 $\frac{1}{2}$  Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S. 12 \\ \frac{1}{4} \\ \hline S. 13 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

Cor. is 15 ft. above sec. cor.

From  $\frac{1}{4}$  sec. cor. center of dry lake bed bears south 10.00 chs.

45.01 Old road to Loa, bears  $N.10^{\circ} E.$  and  $S.10^{\circ} W.$

60.01 $\frac{1}{2}$  Head of swale, course south, 15 ft. below  $\frac{1}{4}$  sec. cor. Asc.

80.01 The cor. of secs. 11, 12, 13, and 14, 10 ft. above swale.

Land, rolling flat.

Soil, gravel and clay loam.

Undergrowth, sage and yellow brush.

No timber. Good grass for grazing.

$N.0^{\circ} 04' E.$  bet. secs. 11 and 12,

Over rolling, mountainous land; through sage and yellow-brush. Ascending.

9.00 Ridge bears  $N.15^{\circ} E.$  and  $S.15^{\circ} W.$ ; 32 ft. above sec. cor.

Descend.

SUBDIVISION OF T.30 S., R.2 E.

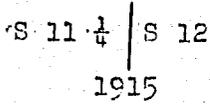
Chains.  
31.48

Wash, 80 ft. below ridge, course S. 75° W.

Ascend.

40.00

Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is 55 ft. above wash.

42.70

Spur, projects S. 75° W., 10 ft. above  $\frac{1}{4}$  sec. cor.

Descend.

46.90

Draw, 60 ft. below spur, course W.

Ascend.

55.00

Spur, projects W., 80 ft. above draw.

Descend.

64.80

Draw, course S. 75° W., 70 ft. below spur. Ascend.

74.90

Spur, 15 ft. above draw, projects SW.

Descend.

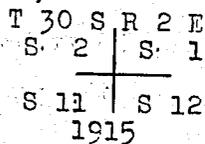
78.30

Draw, 10 ft. below spur, drains SW.

Ascend.

80.00

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is 10 ft. above draw.

Land, rolling, mountainous.

Soil, rocky, clay loam.

Undergrowth, sage and yellow brush.

No timber. Good grass for grazing.

June 1, 1915: At this cor. I set off 22° 00' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 38° 14' N.

SUBDIVISION OF T.30 S., R.2 E.

- Chains. N.89° 59'E.on random line bet.secs.1 and 12,  
 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 79.93 Intersect E.bdy.of Tp., Fremont Valley Guide Meridian,  
 3 lks.N.of the cor.of secs.1 and 12, heretofore de-  
 scribed. Thence  
 West, on true line, bet.secs.1 and 12,  
 Over rolling, mountainous land; through sagebrush and  
 grass. Ascend.  
 20.18 Old road to Loa, bears N.and S.  
 20.73 Ridge, 9 ft.above sec.cor., bears N.10° E. and S.10° W.  
 Descend.  
 30.93 Draw, 70 ft.below spur, course N.  
 Ascend.  
 34.43 Spur, 40 ft.above draw, projects N.  
 Descend.  
 39.96 $\frac{1}{2}$  Set an iron post 3 ft.long, 1 in.in dia., 6 ins.in the  
 ground, to solid rock, with mound of stone around post,  
 for  $\frac{1}{4}$  sec.cor., with brass cap marked
- |               |    |
|---------------|----|
| S             | 1  |
| $\frac{1}{4}$ | 12 |
| -----         |    |
| S             | 12 |
| 1915          |    |
- Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$  ft.high N.of cor.  
 Corner is 75 ft.below spur.  
 42.43 Canyon, 35 ft.below  $\frac{1}{4}$  sec.cor., course N.30° E.  
 Ascend.  
 72.38 Ridge, bearing S.15° W. and N., 240 ft.above canyon.  
 Enter scattering pine and cedar timber. Descend.  
 79.93 The cor.of secs.1,2,11, and 12, 55 ft.below ridge.  
 Land, rolling, mountainous.  
 Soil, gravel, rock, and clay loam.  
 Undergrowth, sagebrush and grass.  
 Timber, scattering cedar and pine.

N.0° 02'W.on a random line bet.secs.1 and 2,

SUBDIVISION OF T.30 S., R.2 E.

Chains.  
40.00

Set temp.  $\frac{1}{4}$  sec. cor.

74.02

Intersect N.bdy. of Tp. 17 lks. W. of true point for cor. of secs. 1, 2, 35, and 36, and 13 lks. E. of the witness cor. for said secs., heretofore described.

Thence,

S.0° 06' W. on true line bet. secs. 1 and 2,

Descending over rolling, mountainous land.

1.07

Canyon, course N.40° E.

Enter scattering pines and cedars, and undergrowth of sagebrush. Ascend.

11.92

Rocky point, 185 ft. above canyon, projects NW. Descend.

15.32

Draw, 10 ft. below rocky point, course N.60° W.

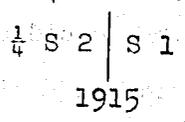
Ascend abruptly.

27.52

Top of abrupt ascent, bearing N.60° W. and S.60° E.

34.02

Set an iron post 3 ft. long, 1 in. in dia.; 24 ins. in the ground; for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner is 255 ft. above draw. Ascend.

36.82

Spur, 15 ft. above  $\frac{1}{4}$  sec. cor., projects S.45° W. Descend.

49.02

Rocky point, projects SW.

51.92

Draw, course S.35° W., 75 ft. below spur. Ascend.

52.04

Rocky point 25 ft. above draw, projects NW. Descend.

57.42

Draw, 5 ft. below rocky point, course N.70° W. Ascend.

63.52

Spur, 80 ft. above draw, projects W. Descend.

69.22

Draw, 65 ft. below spur, course W. Ascend.

72.93

Spur, 75 ft. above draw, projects W. Descend 10 ft. to

74.02

The cor. of secs. 1, 2, 11, and 12. Land, rolling, mountainous.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

Soil, rocky, clay loam.  
 Undergrowth, sagebrush.  
 Timber, scattering pine and cedar.  
 Good grass for grazing.

June 1, 1915.

*Edward W. Thompson*

U.S. Transitman.

Survey commenced May 31, 1915, and executed with a Young & Sons solar transit, for description and test of which see notes of sixth standard parallel south, R.2 E., book "A" of this group.

May 31, 1915: At 7h 57m a.m. l.m.t.; I set off  $21^{\circ} 50' N$ . on the decl. arc;  $38^{\circ} 09' N$ . on the lat. arc, and determine a meridian with the solar at the standard cor. of secs. 34 and 35, on S. bdy. of Tp., heretofore described.

Thence

$N. 0^{\circ} 05' W$ . bet. secs. 34 and 35,

Ascending over rolling mountainous land; through dense sage and yellow brush.

6.40 Old road, bears  $N. 20^{\circ} W$ . and  $S. 20^{\circ} E$ .

10.00 Ridge, 25 ft. above sec. cor., bearing E. and W. Descend.

35.70 Same road, bears  $N. 30^{\circ} E$ . and  $S. 10^{\circ} W$ .

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 34 | S 35

1915

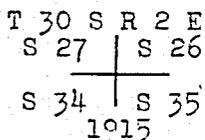
Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

48.70 Swale, 30 ft. below ridge, course  $N. 70^{\circ} E$ . Ascend.

50.00 Point, 70 ft. above swale, on spur, bearing NW. and SE.

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 26, 27, 34, and 35, with brass cap marked

Chains.



Raise a mound of stone  $3\frac{1}{2}$  ft. base,  $3\frac{1}{2}$  ft. high W. of cor.

Land, mountainous, rolling.

Soil rocky, 1 to 2 ft. deep. Subsoil, volcanic rock.

Undergrowth, sage and yellow brush 1 ft. high.

Good grass for grazing.

No timber.

General slope and drainage NE.

East on a random line bet. secs. 26 and 35.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

30.02 Intersect N. and S. line 6 lks. N. of the cor. of secs. 25, 26, 35, and 36. Thence

N.  $89^{\circ} 57' W.$  on true line bet. secs. 26 and 35,

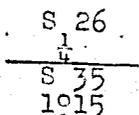
Over rolling, mountainous land; through dense short sage and yellow brush; descending.

6.40 Hollow, 30 ft. below sec. cor., course N. Ascend.

39.00 Ridge, 60 ft. above hollow, bears NW. and SE.

Descend.

40.01 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 3 ft. base, 2 ft. high N. of cor.

47.40 Draw, 30 ft. below ridge, course SE. Ascend.

65 10 Old road, bears N.  $20^{\circ} E.$  and S.  $20^{\circ} W.$

30.02 Point 60 ft. above draw.

The cor. of secs. 26, 27, 34, and 35.

Land, rolling, mountainous; general slope and drainage to SE.

Soil, gravelly and rocky, 1 to 3 ft. deep; subsoil, volcanic rock.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

Undergrowth, dense sage and yellow brush, 1 ft. high.

Good grass for grazing.

No timber.

May 31, 1915: At this cor. I set off  $21^{\circ} 51' N.$  on the decl. arc; and at 11h 57m a.m. l.m.t., observe the sun on the meridian; the resulting lat. is  $38^{\circ} 09' N.$

$N. 0^{\circ} 01' E.$  bet. secs. 26 and 27,

Over rolling, mountainous land; through dense sage and yellow brush; ascending.

5.80 Draw, 10 ft. below cor., course E. Ascend.

33.00 Ridge, 50 ft. above draw, bears E. and W. Descend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} S 27 \quad | \quad S 26 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

54.00 Draw, 125 ft. below ridge, course NE.

Ascend.

62.00 Spur, 8 ft. above draw, bears NE. and SW.

Descend.

80.00 Point 50 ft. below spur,

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, with brass cap marked

$$\begin{array}{c} T 30 S R 2 E \\ S 22 \quad | \quad S 23 \\ \hline S 27 \quad | \quad S 26 \\ 1915 \end{array}$$

Raise a mound of stone  $2\frac{1}{2}$  ft. base, 2 ft. high W. of cor.

Land, mountainous, rolling.

Soil, gravelly and rocky, 1 to 2 ft. deep; subsoil, volcanic rock.

Undergrowth, short sage and yellow brush, 1 ft. high.

Good grass for grazing.

SUBDIVISION OF T.30 S., R.2 E

Chains. No timber.  
General slope of S.half-mile east; of N.half-mile NE.

40.00 S.89° 57'E.on a random line bet.secs.23 and 26,  
Set temp.  $\frac{1}{4}$  sec.cor.  
80.08 Intersect N.and S.line 10 lks.N.of the cor.of secs.23,24,  
25, and 26. Thence I run

N.89° 53'W.on a true line bet.secs.23 and 26,  
Over rolling, mountainous land; through dense short sage  
and yellow brush; ascending.

13.00 Ridge, 35 ft.above sec.cor., bears NE. and S.  
Descend.

17.30 Draw, 25 ft.below ridge, course N.  
Ascend.

17.80 Old road, bears N.and S.

40.04 Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the  
ground, for  $\frac{1}{4}$  sec.cor., with brass cap marked

S 23  
 $\frac{1}{4}$   
S 26  
1915

56.00 Raise a mound of stone 3 ft.base, 3 ft.high N.of cor.  
Ridge, 40 ft.above dfaw, bearing N.and S. Descend.

68.80 Draw, 25 ft.below ridge, course N.  
Ascend.

72.00 Ridge, 10 ft.above draw, bears N.and S.  
Descend.

80.08 The cor.of secs.22,23,26, and 27.  
Land, rolling, mountainous.  
Soil, gravelly and rocky; 3d and 4th rates; subsoil, vol-  
canic rock.

Good grass for grazing.

No timber.

General slope and drainage to NE.

May 31, 1915.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

June 3, 1915: At 7h 57m a.m. l.m.t., I set off  $38^{\circ} 10' N.$  on the lat. arc;  $22^{\circ} 15' N.$  on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26, and 27. Thence  $N.0^{\circ} 01' E.$  bet. secs. 22 and 23, Over rolling, mountainous land; through scrub sage and yellow brush; descending gradually.

40.00

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 22 | S 23  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner is 80 ft. below sec. cor. Descend.

80.00

Point 110 ft. below  $\frac{1}{4}$  sec. cor., on ridge bearing N. and  $S.10^{\circ} E.$

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, with brass cap marked

T 30 S R 2 E  
 S 15 | S 14  
 S 22 | S 23  
 1915

Raise a mound of stone 3 ft. base, 2 ft. high W. of cor. Land, rolling, mountainous.

Soil, gravelly and rocky, 2d and 3d rates, 2 to 4 feet deep; subsoil, volcanic rock.

Undergrowth, sage and yellow brush, 1 ft. high.

No timber. Good grass for grazing.

General slope and drainage N.

40.00

$S.89^{\circ} 53' E.$  on a random line bet. secs. 14 and 23,

Set temp.  $\frac{1}{4}$  sec. cor.

80.04

Intersect N. and S. line 2 lks. S. of cor. of secs. 13, 14, 23, and 24. Thence

$N.89^{\circ} 54' W.$  on true line bet. secs. 14 and 23,

SUBDIVISION OF T.30 S., R.2 E.

- Chains. Descending over rolling mountainous land; through sage and yellow brush, 1 ft. high.
- 10.00 Begin more abrupt descent, bearing N. and S.
- 16.05 Old road, bearing N. 20° E. and S. 20° W.
- 16.80 Draw, 50 ft. below sec. cor., course N. 20° E.  
Ascend.
- 28.50 Top of broad ridge, 15 ft. above draw, bearing N. 20° E. and S. 20° W. Descend.
- 33.40 Head of draw, 50 ft. below ridge, course N. 5.00 chs.; thence NW.
- 40.02 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- $$\begin{array}{r} S. 14 \\ \frac{1}{4} \\ \hline S. 23 \\ 1915 \end{array}$$
- Raise a mound of stone 3 ft. base, 2 ft. high N. of cor.
- 42.70 Saddle, in ridge bearing N. and S., 6 ft. above  $\frac{1}{4}$  sec. cor.  
Descend.
- 55.00 Hollow, 25 ft. below ridge, course N. 30° E.  
Ascend.
- 30.04 The cor. of secs. 14, 15, 22, and 23. On top of ridge bearing N. and S. 10° E., 130 ft. above hollow.  
Land, rolling, mountainous.  
Soil, gravelly and rocky, 1 to 3 ft. deep; subsoil volcanic rock.  
Undergrowth, sage and yellow brush.  
Good grass for grazing.  
No timber.  
General slope and drainage to the north.  
June 3, 1915: At this cor. I set off 22° 16' N. on the decl. arc; and at 11h 57m a.m. l.m.t., observe the sun on the meridian; the resulting lat. is 33° 11' N.

N. 0° 10' E. bet. secs. 14 and 15,

SUBDIVISION OF T.30 S., R.2 E.

Chains.

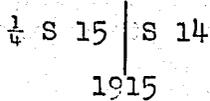
Descending along top of ridge; through sage and yellow brush.

26.00 Swale, 200 ft. below sec. cor., course NE.

Ascend.

34.00 Ridge, 20 ft. above swale, bears NE. and SW. Descend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner is 25 ft. below ridge.

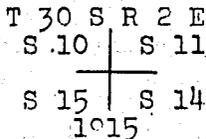
65.80 Hollow, 150 ft. below ridge, course N.30° E. Ascend.

72.00 Spur, 20 ft. above hollow, bears E. and W. Descend.

76.50 Hollow, 40 ft. below spur, course S.60° E. Ascend.

80.00 Point 25 ft. above hollow,

Set an iron post 3 ft. long, 12 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 10, 11, 14, and 15, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Land, rolling, mountainous.

Soil, gravelly and rocky, 2d rate; subsoil volcanic rock.

Undergrowth, sage and yellow brush.

No timber.

General slope and drainage north.

S.89° 54'E. on a random line bet. secs. 11 and 14,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.10 Intersect N. and S. line 7 lks. N. of the cor. of secs. 11, 12, 13, and 14, Thence

Chains.

N.89° 51'W.on true line bet.secs.11 and 14,  
 Descending, over rolling mountainous land; through dense  
 sage and yellow brush.

7.00 Ridge, 5 ft.above sec.cor., bears N.20° E. and S.20° W.  
 Descend.

14.10 Swale, 30 ft.below ridge, course N.10° E. Ascend.

22.20 Ridge, 20 ft.above swale, bears N.and S. Descend.

30.00 Enter scattering cedar and pinon pine timber, bearing  
 N.and S.

37.70 Hollow, 120 ft.below ridge, course N.20° E.  
 Ascend.

40.05 Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the  
 ground, for  $\frac{1}{4}$  sec.cor., with brass cap marked

$$\begin{array}{r} S.11 \\ \frac{1}{4} \\ \hline S.14 \\ 1915 \end{array}$$

From which

A cedar, 14 ins.dia., bears N.36° 0'W.330 lks.  
 dist., marked  $\frac{1}{4}$  S 11 B T

A cedar, 10 ins.dia., bears S.21° 45'E.626 lks.  
 dist., marked  $\frac{1}{4}$  S 14 B T

44.20 Spur, 35 ft.above hollow, bears N.20° E. and S.  
 Descend.

54.00 Swale, 15 ft.below ridge, course NE. Ascend.

67.00 Ridge, bearing N.and S., 75 ft.above swale.  
 Descend.

80.10 The cor.of secs.10,11,14, and 15.

Land, rolling, mountainous.

Soil, clay and gravelly loam and rocky, 1 to 2 ft.deep;  
 solid volcanic rock subsoil.

Timber, scattering cedar and pinon pine.

Undergrowth, sage and yellow brush. Good grass for graz-  
 ing.

June 3, 1915.

SUBDIVISION OF T.30 S., R.2 E.

Chains. June 7, 1915: At 7h 58m a.m. l.m.t., I set off 22° 42' N. on the decl. arc; 38° 12' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 10, 11, 14, and 15. Thence  
N. 0° 4' E. bet. secs. 10 and 11,

Ascending over rolling, mountainous land; through sage and yellow brush.

10.00 South side of ridge, bearing NW. and SE., 25 ft. above sec. cor.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} S 10 \mid S 11 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor. Corner is 50 ft. above sec. cor.

45.00 North edge of ridge, bearing E. and W. Descend.

62.40 Hollow, 15 ft. below ridge, course N: 70° E.  
Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, with brass cap marked

$$\begin{array}{c} T 30 S R 2 E. \\ S 3 \mid S 2 \\ \hline S 10 \mid S 11 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor. Corner is 25 ft. above hollow.

Land, rolling, mountainous.

Soil, clay and gravelly loam, volcanic origin.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

No timber.

S. 49° 51' E. on a random line bet. secs. 2 and 11,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

75.98 Intersect N. and S. line 12 lks. N. of the cor. of secs. 1, 2,

SUBDIVISION OF T.30 S., R.2 E.

Chains. 11 and 12. Thence  
 N. 39° 46' W. on true line bet. secs. 2 and 11,  
 Descending, over rolling, mountainous land; through sage  
 and yellow brush, and scattering cedars.

11.00 Bottom of canyon, 260 ft. below sec. cor., course N. Asc.  
 25.00 Ridge, bearing N. and S. 170 ft. above bottom of canyon.  
 Descend.

30.95 Bottom of canyon, 195 ft. below ridge, course N. 10° E.  
 Ascend.

37.28 West side of canyon, course N. 10° E. 125 ft. above bottom.

39.99 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S \quad 2 \\ \hline S \quad 11 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 June 7, 1915; At this cor. I set off 22° 43' N. on the decl.  
 arc; and at apparent noon, observe the sun on the me-  
 ridian; the resulting lat. is 38° 13' N.

Descend.

42.04 Swale, 12 ft. below  $\frac{1}{4}$  sec. cor., course NE.  
 Leave scattering cedars. Ascend abruptly.

52.98 Ridge, 115 ft. above swale, bears N. and S. Descend.

66.98 Swale, 25 ft. below ridge, course S. 30° E.  
 Ascend 20 ft. to

79.98 The cor. of secs. 2, 3, 10, and 11.  
 Land, rolling, mountainous.  
 Soil, E. half-mile rocky; 4th rate; W. half, gravelly, 3d rate.  
 Undergrowth, scrub sage and yellow brush.  
 Timber, scattering cedar and pinon pine.

40.00 N. 0° 06' E. on a random line bet. secs. 2 and 3,  
 Set temp.  $\frac{1}{4}$  sec. cor.

73.57 Intersect N. bdy. of Tp. 30 lks. W. of the cor. of secs. 2, 3,  
 34, and 35, heretofore described.

SUBDIVISION OF T.30 S., R.2 E.

Chains. Thence

S.0° 20' W. on true line bet. secs. 2 and 3,  
Over rolling, mountainous land; through sage and yellow  
brush.

1.07 Top of ridge, bearing NE. and SW.,  
Descend.

9.57 Swale 5 ft. below top of ridge, course SW.  
Ascend.

19.57 Ridge, 15 ft. above swale, bears NE. and SW.  
Descend.

33.57 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 3 | S 2  
 1915

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

73.57 The cor. of secs. 2, 3, 10, and 11.

Land, rolling, mountainous.

Soil, rocky, volcanic origin; volcanic rock subsoil, 1  
to 4 ft. below surface.

Undergrowth, sage and yellow brush.

Good grass for grazing.

No timber.

June 7, 1915.

June 2, 1915: At 7h 58m a.m. l.m.t., I set off 22° 07' N.  
on the decl. arc; 38° 09' N. on the lat. arc; and deter-  
mine a meridian with the solar at the standard cor. of  
secs. 33 and 34, on the S. bdy. of the Tp, heretofore de-  
scribed. Thence

N.0° 06' W. bet. secs. 33 and 34,

Over rolling, mountainous land; through dense sage and  
yellow brush; descending.

11.30 Enter draw, 50 ft. below sec. cor., course N.  
Continue descent.

24.20 Leave draw, 90 ft. below sec. cor., course NW.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

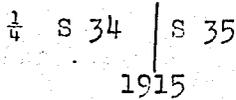
Ascend.

31.00 Spur, 10 ft. above draw, bears E. and W. Descend.

36.90 Draw, 12 ft. below spur, course W.

Ascend.

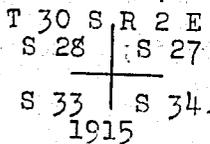
40.00 Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked



75.00 Raise a mound of stone  $2\frac{1}{2}$  ft. base, 2 ft. high W. of cor. Top of ridge, 100 ft. above draw, bearing E. and S.  $60^\circ$  W. Descend.

80.00 Point, 25 ft. below ridge,

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Land, rolling, mountainous.

Soil, clay and gravel, from decomposed volcanic rock, 1 to 4 ft. deep; volcanic rock subsoil.

Undergrowth, sage and yellow brush.

Good grass for grazing.

No timber.

40.00 East on a random line bet. secs. 27 and 34,

Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect N. and S. line 5 lks. S. of the cor. of secs. 26, 27, 34, and 35. Thence

S.  $89^\circ$  58' W. on true line bet. secs. 27 and 34,

Over rolling mountainous land; through dense short sage and yellow brush; ascending.

SUBDIVISION OF T.30 S., R.2 E.

- Chains.  
32.00 Top of spur, 100 ft. above sec. cor., bearing N.20° E. and S.20° W. Descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 20 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- $$\begin{array}{r} S.27 \\ \frac{1}{4} \\ \hline S.34 \\ 1915 \end{array}$$
- 69.70 Raise a mound of stone 3 ft. base, 2 ft. high N. of cor. Swale 65 ft. below spur, course N.20° W. Ascend.
- 76.50 Spur, 5 ft. above swale, bears N.20° W. and S.20° E. Descend.
- 80.00 The cor. of secs. 27, 28, 33, and 34, 20 ft. below spur. Land, rolling, mountainous. Soil, disintegrated volcanic rock, gravelly and clay, 2 to 4 ft. deep, with volcanic rock subsoil. Undergrowth, short sage and yellow brush, 1 ft. high. Good grass for grazing. No timber.
- June 2, 1915: At this cor. I set off 22° 08' N. on the decl. arc; and at 11h 58m a.m. l.m.t., observe the sun on the meridian; the resulting lat. is 38° 09' N.
- 
- North bet. secs. 27 and 28, Over rolling, mountainous land; through dense sage and yellow brush; descending.
- 9.10 Draw, 50 ft. below sec. cor., course NW. Ascend.
- 22.00 Spur, 10 ft. above draw, bears NW. and SE. Descend.
- 30.00 Enter draw, 25 ft. below spur, course N. Continue descent in draw.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the

SUBDIVISION OF T. 30 S., R. 2 E.

Chains.

ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 28 | S 27

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Continue descent in draw.

62.70 Leave draw, course N. 20° W. Ascend.

75.00 Spur, 10 ft. above draw, bears NW. and SE.

Descend.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 14 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 21, 22, 27, and 28, with brass cap mkd.

T 30 S. R 2 E  
S 21 | S 22  
S 28 | S 27  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land, rolling, mountainous.

Soil, clay and gravelly loam of volcanic origin; 2 to 3 ft. deep; subsoil volcanic rock.

Undergrowth, short sage and yellow brush.

Good grass for grazing.

No timber.

N. 89° 58' E. on a random line bet. secs. 22 and 27,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.96 Intersect N. and S. line 7 lks. S. of the cor. of secs. 22, 23, 26, and 27. Thence

S. 89° 55' W. on true line bet. secs. 22 and 27,

Over rolling, mountainous land; through sagebrush; asc.

25.00 Ridge, 40 ft. above sec. cor., bears N. 20° W. and S. 20° E. Descend.

39.98 Set an iron post 3 ft. long, 1 in. in dia., 20 ins. in ground, to solid rock, with mound of stones around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 22

$\frac{1}{4}$   
S 27  
1915

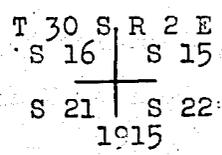
SUBDIVISION OF T.30 S., R.2 E.

Chains. Raise a mound of stone 3 ft. base, 2 ft. high N. of cor.  
 52.50 Swale, 20 ft. below  $\frac{1}{4}$  sec. cor., course N.30° W.  
 Ascend.  
 60.00 Small ridge, 10 ft. above swale, bears N.30° W. and S.30°  
 E. Descend.  
 79.96 The cor. of secs. 21, 22, 27, and 28.  
 Land, rolling, mountainous.  
 Soil, dark brown loam, disintegrated volcanic rock; very  
 rocky, except narrow strip in swale, not so rocky.  
 Subsoil, volcanic rock from 1 to 3 ft. below the sur-  
 face.  
 Undergrowth, sagebrush 12 to 14 ins. high.  
 Good grass for grazing.  
 No timber.

June 2, 1915.

June 5, 1915: At 7h 58m a.m. l.m.t., I set off 22° 29' N.  
 on the decl. arc; 38° 10' N. on the lat. arc; and deter-  
 mine a meridian with the solar at the cor. of secs. 21,  
 22, 27, and 28. Thence  
 North bet. secs. 21 and 22,  
 Descending gradually, over mountainous land; through  
 yellow brush, scrub sagebrush, and scattering grass.  
 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$$\begin{array}{c} \frac{1}{4} \text{ S } 21 \text{ | } \text{S } 22 \\ \hline 1915 \end{array}$$
  
 Raise a mound of stone 3 ft. base, 2 ft. high W. of cor.  
 Corner is 105 ft. below sec. cor.  
 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the  
 ground, for cor. of secs. 15, 16, 21, and 22, with brass  
 cap marked



Chains. Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Corner is 90 ft. below  $\frac{1}{4}$  sec. cor.  
 Land, mountainous.  
 Soil, rocky; average depth 1 to 3 ft.  
 Undergrowth, sage and yellow brush.  
 Good grass for grazing.  
 No timber.

40.00 N.  $89^{\circ} 55'$  E. on a random line bet. secs. 15 and 22,  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.94 Intersect N. and S. line 7 lks. S. of the cor. of secs. 14, 15,  
 22, and 23. Thence  
 S.  $89^{\circ} 52'$  W. on true line bet. secs. 15 and 22,  
 Descending over rolling mountainous land; through yellow  
 brush, and scrub sagebrush, scattering blue grass.  
 5.00 Begin more abrupt descent.  
 17.03 Bottom of hollow, course N.  $30^{\circ}$  E., 85 ft. below sec. cor.  
 Ascend.  
 24.50 Top of ridge, bearing N. and S., 65 ft. above hollow.  
 Descend.  
 32.19 Bottom of hollow, course N., 50 ft. below ridge. Ascend.  
 39.97 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 15  
 $\frac{1}{4}$   
 S 22  
 1915

Raise a mound of stone 3 ft. base, 3 ft. high N. of cor.  
 Corner is 40 ft. above hollow.  
 50.00 Summit of broad ridge, bearing S.  $30^{\circ}$  W. and N.  $30^{\circ}$  E., 5  
 ft. above  $\frac{1}{4}$  sec. cor.  
 62.90 Abrupt descent, rim rock 8 ft. high on E. side of hollow,  
 bearing N.  $10^{\circ}$  E. and S.  $10^{\circ}$  W.  
 66.33 Bottom of draw, 3 chs. wide, course N., 50 ft. below ridge.  
 70.00 Top of west side of draw, bearing N. and S.

SUBDIVISION OF T.30 S., R.2 E.

Chains.  
 75.00 Top of broad ridge, 40 ft. above draw, bearing N. and S.  
 79.94 The cor. of secs. 15, 16, 21, and 22.  
 Land rolling, mountainous.  
 Soil, gravelly, volcanic soil, 1 to 2 ft. deep; subsoil volcanic rock.  
 Good grass for grazing.  
 No timber.

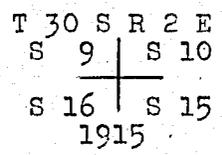
N. 0° 09' E. bet. secs. 15 and 16,  
 Descending gradually; through yellow brush, sagebrush and scattering grass.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$$\begin{array}{c} \frac{1}{4} S 16 | S 15 \\ 1915 \end{array}$$

Raise a mound of stone 3 ft. base, 2 ft. high W. of cor.  
 Corner is 135 ft. below sec. cor.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Corner is 35 ft. below  $\frac{1}{4}$  sec. cor., in swale draining N.  
 Land, rolling.  
 Soil, rocky, average depth 1 to 3 ft.  
 Undergrowth, sage and yellow brush, average 1 ft. high.  
 Good grass for grazing.  
 No timber.

N. 89° 52' E. on a random line bet. secs. 10 and 15,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

79.98 Intersect N. and S. line 5 lks. S. of the cor. of secs. 10, 11, 14, and 15. Thence S. 89° 50' W. on true line bet. secs. 10 and 15, Ascending, over rolling mountainous land; through scrub sage and yellow brush.

2.40 Hollow, 15 ft. below sec. cor., course S. Ascend.

15.00 East side of broad ridge bearing N. and S., 25 ft. above hollow.

Ascend gradually.

39.99 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

$$\begin{array}{r} S\ 10 \\ \frac{1}{4} \\ \hline S\ 15 \\ 1915 \end{array}$$

Raise a mound of stone 3 ft. base, 2 ft. high N. of cor. Corner is 65 ft. above hollow.

70.00 Top of broad ridge, bearing N. and S., 85 ft. above hollow. Descend.

79.98 The cor. of secs. 9, 10, 15, and 16.

Land, rolling, mountainous.

Soil, rocky, volcanic formation.

Undergrowth, sage and yellow brush.

No timber.

June 5, 1915.

June 8, 1915: At 7h 59m a.m. l.m.t., I set off 22° 49' N. on the decl. arc; 38° 12' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 9, 10, 15, and 16. Thence

N. 0° 03' E. bet. secs. 9 and 10,

Descending gradually, over rolling mountainous land; through scrub sage and yellow brush; scattering grass.

15.00 Swale, on ridge, 17 ft. below sec. cor., drains NE. Ascend.

20.00 Ridge, 10 ft. above swale, bears NW. and SE.

SUBDIVISION OF T.30 S., R.2 E.

Chains.  
40.00

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 9 | S 10  
1915

Raise a mound of stone 3 ft. base, 2 ft. high W. of cor. Corner is 25 ft. below ridge.

80.00

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, with brass cap marked

T 30 S R 2 E  
S 4 | S 3  
S 9 | S 10  
1915

Raise a mound of stone 3 ft. base, 2 ft. high W. of cor. Corner is 40 ft. below  $\frac{1}{4}$  sec. cor.

Land, rolling, mountainous.

Soil, gravelly and clay loam.

Undergrowth, sage and yellow brush.

No timber.

40.00

N. 89° 50' E. on a random line bet. secs. 3 and 10, Set temp.  $\frac{1}{4}$  sec. cor.

80.00

Intersect N. and S. line at the cor. of secs. 2, 3, 10, and 11, Thence

S. 89° 50' W. on true line bet. secs. 3 and 10,

Over rolling, mountainous land; through dense short sage and yellow brush; ascending.

12.80

Ridge, bears N. and S. 35 ft. above sec. cor. Descend.

20.00

Swale, course S. 20° E., 15 ft. below ridge.

40.00

Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S  $\frac{1}{4}$  3  
S 10  
1915

Raise a mound of stone 3 ft. base, 2 ft. high N. of cor.

SUBDIVISION OF T.30 S., R.2 E.

- Chains.  
45.00 Ridge, bears N. and S., 45 ft. above swale. Descend.  
62.60 Hollow, course N., 25 ft. below ridge.  
Ascend 20 ft. to  
80.00 The cor. of secs. 3, 4, 9, and 10.  
Land. rolling, mountainous.  
Soil, clay and gravelly loam, volcanic, 1 to 4 ft. deep.  
Solid volcanic rock subsoil.  
Undergrowth, sage and yellow brush.  
Good grass for grazing.  
No timber. June 10, 1915.
- 
- 40.00 N. 0° 20' E. on a random line bet. secs. 3 and 4,  
Set temp.  $\frac{1}{4}$  sec. cor.  
73.76 Intersect N. bdy. of Tp. 2 lks. W. of the cor. of secs. 3, 4,  
33, and 34, heretofore described.  
Thence  
S. 0° 21' W. on true line bet. secs. 3 and 4,  
Over rolling mountainous land; through sage and yellow  
brush.  
3.76 Bottom of swale, course E. 3.00 chs.; thence S. Swale is  
5 ft. below sec. cor. Ascend.  
15.76 Ridge, bears SE. and NW., 15 ft. above swale.  
Descend.  
33.76 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$$\frac{1}{4} \text{ S } 4 \text{ | S } 3$$
1915  
Raise a mound of stone 3 ft. base, 2 ft. high W. of cor.  
Descend.  
48.76 West side of dry lake 15 ft. below  $\frac{1}{4}$  sec. cor.,  $9\frac{1}{2}$  chs.  
E. and W.,  $12\frac{1}{2}$  chs. N. and S.  
Ascend.  
58.76 Ridge, 81 ft. above lake, bears E. and W.  
68.06 Road bears NE. and SW., Lo to Antelope Springs, 10 ft.

SUBDIVISION OF T.30 S., R.2 E.

Chains. below ridge. Descend.

73.76 The cor. of secs. 3, 4, 9, and 10.

Land, rolling, mountainous.

Soil, gravelly, volcanic formation.

Undergrowth, sage and yellow brush.

No timber.

June 8, 1915: At this cor. I set off  $22^{\circ} 49' N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ} 13' N.$

*Scott P. Stewart*

U. S. Surveyor.

June 2, 1915: At 9h 55m a.m. l.m.t., I set off  $22^{\circ} 07' N.$  on the decl. arc;  $38^{\circ} 09' N.$  on the lat. arc; and determine a meridian with the solar at the standard cor. of secs. 32 and 33, on the S. bdy. of the Tp., heretofore described. Thence

$N. 0^{\circ} 07' W.$  bet. secs. 32 and 33,

Descending gently, over rolling land; through sagebrush and grass.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4} S 32 \quad | \quad S 33$   
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner is 115 ft. below sec. cor.

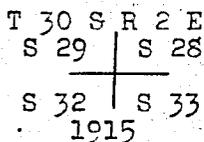
58.90 Begin abrupt descent bearing  $N. 80^{\circ} W.$  and  $S. 80^{\circ} E.$   
50 ft. below  $\frac{1}{4}$  sec. cor.

68.70 Draw, 145 ft. below  $\frac{1}{4}$  sec. cor., course  $N. 80^{\circ} W.$  Ascend.

76.70 Top of steep ascent, bearing  $N. 80^{\circ} W.$  and  $S. 80^{\circ} E.$ , 60 ft. above draw.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, with brass

Chains. cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is level with edge of draw.

Land, rolling, mountainous.

Soil, rocky clay loam.

Undergrowth, sage and yellow brush, and grass.

No timber.

June 2, 1915: At this cor. I set off  $22^{\circ} 08' N.$  on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is  $38^{\circ} 10' N.$

East on a random line bet. secs. 28 and 33,

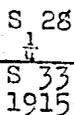
40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.93 Intersect N. and S. line 4 lks. N. of the cor. of secs. 27, 28, 33, and 34. Thence

N.  $89^{\circ} 58' W.$  on true line bet. secs. 28 and 33,

Over rolling, mountainous land; through sagebrush and grass. Descending.

39.96 $\frac{1}{2}$  Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

Corner is 130 ft. above sec. cor. Descend.

62.63 Swale, 25 ft. below  $\frac{1}{4}$  sec. cor. course N. Ascend.

69.93 Small knoll, 15 ft. above swale.

Descend 30 ft. to

79.93 The cor. of secs. 28, 29, 32, and 33.

Land, rolling, mountainous.

Soil, gravel and clay loam.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

Undergrowth, sage and grass.

No timber.

June 2, 1915.

June 3, 1915:

N. 0° 01' W. bet. secs. 28 and 29,

Over rolling mountainous land; through sagebrush and grass. Descending.

10.00 Begin more abrupt descent, bearing E. and W.

17.90 Swale, 35 ft. below sec. cor., course W. Ascend.

30.00 Ridge, 30 ft. above swale, bears E. and W. Descend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 20 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. with brass cap marked

$$\begin{array}{c} \frac{1}{4} \text{ S } 29 \quad | \quad \text{S } 28 \\ \hline 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner is 15 ft. below ridge.

50.00 Set an iron post 3 ft. long, 2 ins. in dia., 20 ins. in the ground, with mound of stone around post, for cor. of secs. 20, 21, 28, and 29, with brass cap marked

$$\begin{array}{c} \text{T } 30 \text{ S } \text{R } 2 \text{ E} \\ \text{S } 20 \quad | \quad \text{S } 21 \\ \hline \text{S } 29 \quad | \quad \text{S } 28 \\ \hline 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Land, rolling, mountainous.

Soil, clay loam, rocky.

Undergrowth, sagebrush and grass.

No timber.

June 3, 1915: At this cor. I set off 22° 16' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 11' N.

Chains.

June 5, 1915: At 9h 58m a.m. l.m.t., I set off 22° 30' N. on the decl. arc; and 38° 11' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28, and 29.

Thence

S. 89° 53' E. on a random line bet. secs. 21 and 28,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.92 Intersect N. and S. line 5 lks. N. of the cor. of secs. 21, 22, 27, and 28. Thence

N. 89° 56' W. on true line bet. secs. 21 and 28,

Over rolling, mountainous land; through sagebrush and grass; descending.

39.96 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S \ 21 \\ \frac{1}{4} \\ \hline S \ 28 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. Corner is 45 ft. below sec. cor.

79.92 The cor. of secs. 20, 21, 28, and 29, 25 ft. below  $\frac{1}{4}$  sec. cor.

Land, rolling, flat.

Soil, rocky clay loam.

Undergrowth, sagebrush and grass.

No timber.

N. 0° 01' W. bet. secs. 20 and 21,

Over rolling, mountainous land; through sagebrush; descending.

9.30 Draw, course N. 30° W., 40 ft. below sec. cor.

Descend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} \ S \ 20 \ | \ S \ 21 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Chains. Corner is 70 ft. below draw.  
 June 5, 1915: Instrument in transit at the noon hour, no observation for lat. this day.

55.00 Point in same draw, 150 lks. east of bottom of draw, 50 ft. below  $\frac{1}{4}$  sec. cor. Ascend.

58:70 Spur, projects W., 45 ft. above point in draw. Descend.

78.80 Draw, main drainage from south, 105 ft. below spur, course N.20° E. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 20 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 16, 17, 20, and 21, with brass cap marked

T 30	S R 2 E
S 17	S 16
S 20	S 21
1915	

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner 5 ft. above draw.  
 Land, rolling, mountainous.  
 Soil, rocky clay loam.  
 Undergrowth, sagebrush.  
 No timber. Good grass for grazing.

40.00 S. 89° 56' E. on a random line bet. secs. 16 and 21, Set temp.  $\frac{1}{4}$  sec. cor.

79.92 Intersect N. and S. line 3 lks. S. of the cor. of secs. 15, 16, 21, and 22. Thence

N. 89° 57' W. on true line bet. secs. 16 and 21, Descending over rolling mountainous land; through black sage and grass.

39.96 Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 16
$\frac{1}{4}$
S 21
1915

SUBDIVISION OF T.30 S., R.2 E.

Chains.

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Corner is 65 ft. below sec. cor.

Descend abruptly, bearing N. and S.

45.62

Draw, 55 ft. below  $\frac{1}{4}$  sec. cor., course N.  $10^\circ$  W.

Ascend.

50.72

Spur, 25 ft. above draw, projects N.

Descend.

57.32

Draw, 65 ft. below spur, course N.  $50^\circ$  W.

Ascend.

66.62

Spur, 25 ft. above draw, projects N.  $20^\circ$  W.

Descend.

79.32

Draw, 65 ft. below spur, course N.  $20^\circ$  E. Ascend.

79.92

The cor. of secs. 16, 17, 20, and 21, 5 ft. above draw.

Land, rolling, mountainous.

Soil, rocky, clay loam.

Undergrowth, black sage and grass.

No timber.

June 5, 1915.

June 9, 1915: At 8h 59m a.m. l.m.t., I set off  $38^\circ 12' N.$   
 on the lat. arc;  $22^\circ 54' N.$  on the decl. arc; and deter-  
 mine a meridian with the solar at the cor. of secs. 16, 17,  
 20, and 21. Thence

$N.0^\circ 08' E.$  bet. secs. 16 and 17,  
 Over rolling hills, covered with black sage and grass,  
 in rocky clay loam. Ascending.

20.70

Top of spur, 100 ft. above sec. cor., projects N.  $60^\circ$  E.

Descend.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 17 | S 16

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

SUBDIVISION OF T.30 S., R.2 E.

Chains  
45.87

Road, from Loa to Antelope Spring, bears SW. and NE.,  
in bottom of draw, 50 ft. below  $\frac{1}{4}$  sec. cor., course NE.  
Ascend.

56.76

Top of spur, 35 ft. above draw, projects NE.  
Descend.

74.30

Bottom of small draw, 60 ft. below spur, drains NE.  
Ascend. 5 ft. to

80.00

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the  
ground, for cor. of secs. 8, 9, 16, and 17, with brass cap  
marked

T	30	S	R	2	E
S	8		S	9	
S	17		S	16	
1915					

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land, rolling, mountainous.

Soil, rocky, clay loam.

Undergrowth, black sage and grass.

No timber.

40.00

S.  $89^{\circ} 57'$  E. on a random line bet. secs. 9 and 16,  
Set temp.  $\frac{1}{4}$  sec. cor.

79.89

Intersect N. and S. line 6 lks. S. of the cor. of secs. 9, 10,  
15, and 16.

June 9, 1915: At this cor. I set off  $22^{\circ} 54'$  N. on the decl.  
arc; and at apparent noon, observe the sun on the me-  
ridian; the resulting lat. is  $38^{\circ} 13'$  N.

Thence

West, on true line bet. secs. 9 and 16.

Ascending over rolling, mountainous land; through black  
sage and grass.

14.29

Ridge, bears N. and S., 5 ft. above sec. cor. Descend.

23.74

Bottom of large draw, main drainage from south, course N.  
from south; 135 ft. below ridge.

Ascend.

Chains.

34.89 Top of spur, 85 ft. above draw, projects N.

Descend.

39.94½ Set an iron post, 3 ft. long, 1 in. in dia.; 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

$$\begin{array}{r} S \ 9 \\ \frac{1}{4} \\ \hline S \ 16 \\ 1915 \end{array}$$

Dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist.; raise a mound of earth, 3½ ft. base, 1½ ft. high N. of cor.

51.79 Road, bears SW. and NE., from Loa to Antelope Spring; descending.

52.99 Shallow draw, 60 ft. below ¼ sec. cor., course N.10° W. from SW. Ascend.

57.69 Low spur, 15 ft. above draw, projects N.  
Descend.

73.39 Small draw, 20 ft. below spur, drains NE., from SW. Asc.

79.89 The cor. of secs. 8, 9, 16, and 17, 20 ft. above draw.

Land, rolling, mountainous.

Soil, rocky clay loam.

Undergrowth, black sage and grass.

No timber.

N.0° 02'E. bet. secs. 8 and 9,

Over gently rolling hills, covered with black sage; clay loam.

8.20 Swale, 10 ft. below sec. cor., drains E., from S.60° W. Ascend.

18.00 Low spur, 20 ft. above swale, projects E. Descend.

34.97 Swale, 40 ft. below spur, drains N.75° E.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} \ S \ 8 \ | \ S \ 9 \\ \hline 1915 \end{array}$$

Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist.;

and raise a mound of earth 3½ ft. base, 1½ ft. high W.

SUBDIVISION OF T.30 S., R.2 E.

- Chains. of cor.
- 43.00 Low spur, projects 7.00 chs.E., 15 ft.above swale.  
Descend abruptly.
- 54.95 Bottom of steep descent bearing N.30° W., and S.30° E.  
Descend gently.
- 74.45 Bottom of channel, main drainage from south, 70 ft.below  
¼ sec.cor., 50 lks.wide, 3 ft.deep, drains N.30° W.
- 80.00 Set an iron post, 3 ft.long, 2 ins.in dia., 22 ins.in  
the ground, to solid rock, with mound of stones around  
post, for cor.of secs.4,5,6, and 9, with brass cap  
marked

T	30	S	R	2	E
S	5		S	4	
S	8		S	9	
1915					

Raise a mound of stone 2 ft.base, 1½ ft.high W.of cor.  
Land, rolling hills.  
Soil, clay loam.  
Undergrowth, black sage and grass.  
No timber.

- 40.00 East on a random line bet.secs.4 and 9,  
Set temp.¼ sec.cor.
- 79.91 Intersect N.and S.line at the cor.of secs.3,4,9, and 10.  
Thence  
West, on true line bet.secs.4 and 9,  
Over rolling, mountainous land; through black sage and  
grass, in clay loam.
- 4.50 Old road from Lea to Antelope Spring, bears N.30° E.  
and S.30° W.
- 20.00 Low ridge, bears N.and S., 10 ft.above sec.cor.
- 39.95½ Set an iron post, 3 ft.long, 1 in.in dia., 26 ins.in the  
ground, for ¼ sec.cor., with brass cap marked

S	4
¼	
S	9
1915	

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SUBDIVISION OF T.30 S., R.2 E.

Chains.

- 63.18 Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. Bottom of small draw, 55 ft. below ¼ sec. cor., course S. 40° E. Ascend.
- 70.00 Top of spur, 20 ft. above draw, projects S. 30° E.
- 79.91 The cor. of secs. 4, 5, 8, and 9, 70 ft. below spur. Land, rolling, mountainous. Soil, gravel and clay loam. Undergrowth, black sage. Good grass for grazing. No timber. June 9, 1915.

June 12, 1915: At 8h 59m a.m. l.m.t., I set off 23°08'N. on the decl. arc; 38°14'N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 4, 5, 8, and 9.

Thence, North on a random line bet. secs. 4 and 5, Set temp. ¼ sec. cor. Intersect N. bdy. of Tp. 50 lks. S. 89°53'W. of cor. of secs. 4, 5, 32, and 33, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing cor. of secs. 4 and 5, with brass cap marked

T 29 S	R 2 E
S 32	S 33
C C	
S 5	S 4

1915

Raise a mound of stone 2 ft. base, 1½ ft. high S. of cor. I deface the marks on the brass cap of post cor. of secs. 4, 5, 32, and 33, that pertain to secs. 4 and 5. Thence South on true line bet. secs. 4 and 5, Ascend, over rolling land; through dense undergrowth of sage.

- 8.69 Top of broad ridge, 15 ft. above closing cor., bears N. 70° W. and S. 70° E. Descend.
- 33.69 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for ¼ sec. cor., with brass cap marked

¼ S 5	S 4
-------	-----

1915

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

SUBDIVISION OF T.30 S., R.2 E.

Chains.  
 48.69 Corner 15 ft. below ridge.  
 Begin steeper descent bearing E. and W. through N. of cor.  
 73.69 The cor. of secs. 4, 5, 8, and 9, 70 ft. below ridge.  
 Land, rolling.  
 Soil, gravel and clay loam.  
 Undergrowth, sage and grass.  
 No timber.

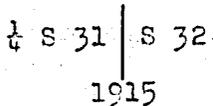
June 12, 1915.

June 3, 1915: At 9h 58m a.m. l.m.t., I set off 22° 15' N. on the decl. arc; 38° 09' N. on the lat. arc; and determine a meridian with the solar at the standard cor. of secs. 31 and 32, on the S. bdy. of Tp., heretofore described. Thence

N. 0° 07' W. bet. secs. 31 and 32,

Over rolling, mountainous land, sloping north, through sagebrush and grass; descending.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

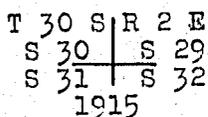
49.00 Edge of rough draw, 70 ft. below  $\frac{1}{4}$  sec. cor., bears S. 20° W., and N. 20° E. Enter pine and aspen timber, bearing S. 20° W. and N. 20° E.

66.40 Draw, 85 ft. below edge of draw, 4.00 chs. E. of main draw, course W.

73.00 Edge of large draw, 70 ft. above last draw, bears N. 15° W. and S. 15° E.

Leave timber, bearing N. 15° W. and S. 15° E. Ascend.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 18 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 29, 30, 31, and 32, with brass cap mkd.



SUBDIVISION OF T.30 S., R.2 E.

Chains.

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Corner is 45 ft. above edge of draw.  
 Land, rolling, mountainous.  
 Soil, rocky, clay loam.  
 Undergrowth, sage and grass.  
 Timber, pine and aspen.

40.00 East on a random line bet. secs. 29 and 32,  
 Set temp. ¼ sec. cor.  
 30.00 Intersect N. and S. line 9 lks. S. of the cor. of secs. 28, 29,  
 32, and 33. Thence  
 S. 89° 56' W. on true line bet. secs. 29 and 32,  
 Descending over rolling mountainous land; through sage-  
 brush and grass.  
 28.90 Draw, 90 ft. below sec. cor., course N. 10° W. Ascend.  
 38.90 West edge of draw, 70 ft. above bottom, bears N. 10° W.  
 and S. 10° E.  
 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for ¼ sec. cor., with brass cap marked

S 29  
 1  
 S 32  
 1915

Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.  
 Thence over rolling flat.  
 80.00 The cor. of secs. 29, 30, 31, and 32.  
 Land, rolling, mountainous.  
 Soil, clay loam.  
 Undergrowth, sage and grass.  
 No timber.

June 3, 1915.

June 7, 1915: At 7h 58m a.m. l.m.t., I set off 22° 42' N.  
 on the decl. arc; 38° 10' N. on the lat. arc; and deter-  
 mine a meridian with the solar at the cor. of secs. 29,

SUBDIVISION OF T.30 S., R.2 E.

Chains.

30, 31, and 32.

Thence

West, on a random line bet. secs. 30 and 31,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.68 Intersect W. bdy. of Tp. 2 lks. N. of the cor. of secs. 25, 30,

31, and 36, heretofore described. Thence

N.  $89^{\circ} 59' E.$  on a true line bet. secs. 30 and 31,

Over rolling, mountainous land; through sage and grass;  
rocky clay loam.

20.00 Leave rocky land; thence over clay loam.

28.95 Old road, bears N.  $20^{\circ} E.$  and S.  $20^{\circ} W.$

33.00 Draw, 75 ft. below sec. cor., course SE.

36.00 Leave loam; thence over rocky land.

39.68 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked.

S. 30

$\frac{1}{4}$   
S. 31  
1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

59.00 Ridge, 50 ft. above draw; bears N. and S.

65.40 Descend abruptly, bearing N.  $10^{\circ} E.$  and S.

73.30 Draw, 110 ft. below ridge, course N.  $10^{\circ} E.$  Main drainage.

77.60 Ledge on E. side of draw, 10 ft. high, bears N. and S.

77.70 Top of steep ascent, 80 ft. above draw, bears N.  $10^{\circ} E.$   
and S.  $10^{\circ} W.$

79.68 The cor. of secs. 29, 30, 31, and 32; level with top of  
ridge.

Land, rolling, mountainous.

Soil, rocky clay loam.

Undergrowth, sage and grass.

No timber.

June 7, 1915: At this cor. I set off  $22^{\circ} 43' N.$  on the decl.  
arc; and, at apparent noon, observe the sun on the  
meridian; the resulting lat. is  $38^{\circ} 10' N.$

SUBDIVISION OF T.30 S., R.2 E.

Chains.

N.0° 01' W. bet. secs. 29 and 30,  
Over hills covered with black sage and yellow brush and  
grass; soil, rocky clay loam.

3.10 Edge of draw, bearing N.40° E: and SW., 10 ft. below sec.  
cor. Enter scattering pine, aspen and cedar timber.

10.96 Bottom of deep rocky draw, 125 ft. below edge, drains N.50°  
E. Main drainage from south.

21.44 Top of ridge, and west edge of draw, 120 ft. above bottom.  
Leave timber, bearing NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the  
ground, to solid rock, with mound of stone around post,  
for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 30 | S 29  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner 40 ft. below edge of draw.

70.83 Bottom of draw, 125 ft. below  $\frac{1}{4}$  sec. cor., drains N.30° E.  
Ascend.

77.34 Top of small spur, 20 ft. above draw, projects N.30° E.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in  
the ground, for cor. of secs. 19, 20, 29, and 30, with  
brass cap marked

T 30 S R 2 E  
 S 19 | S 20  
 S 30 | S 29  
 1915

Raise a mound of stones 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner is 15 ft. below spur.

Land, rolling, mountainous.

Soil, rocky clay loam.

Undergrowth, black sage, yellow brush, and grass.

No timber.

N.39° 56' E. on a random line bet. secs. 20 and 29,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

SUBDIVISION OF T.30 S.; R.2 E.

Chains.

- 79.99 Intersect N. and S. line 2 lks. N. of the cor. of secs. 20, 21, 28, and 29. Thence  
 S.  $89^{\circ} 57' W.$  on true line bet. secs. 20 and 29,  
 Over rolling hills, covered with black sage and grass;  
 soil rocky clay.
- 16.75 Bottom of draw, 70 ft. below sec. cor.; course N. Ascend.
- 30.06 Top of spur, 40 ft. above draw, projects N. Desc. 30 ft. to
- 39.99 $\frac{1}{2}$  Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- S 20

---

$\frac{1}{4}$

S 29

1915
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.
- 55.40 Bottom of large draw, 90 ft. below  $\frac{1}{4}$  sec. cor., course N.;  
 main drainage. Ascend.
- 63.89 Top of small spur, 70 ft. above draw, projects N.  
 Descend.
- 71.58 Bottom of draw, 25 ft. below spur, course NE. Ascend.
- 78.17 Top of small spur, 30 ft. above draw, projects N.  $30^{\circ} E$  Desc.
- 79.99 The cor. of secs. 19, 20, 29, and 30.  
 Land, rolling hills.  
 Soil, rocky clay.  
 Undergrowth, sage and grass.  
 No timber. June 7, 1915.

June 8, 1915: At 9h 59m a.m. l.m.t., I set off  $38^{\circ} 11' N.$   
 on the lat. arc;  $22^{\circ} 48' N.$  on the decl. arc; and deter-  
 mine a meridian with the solar at the cor. of secs. 19,  
 20, 29, and 30. Thence  
 S.  $89^{\circ} 59' W.$  on a random line bet. secs. 19 and 30,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

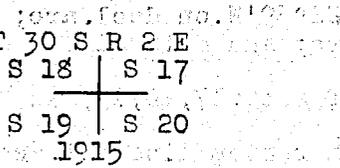
79.41 Intersect W. bdy. of Tp. 1 lk. S. of the cor. of secs. 19, 24, 25,  
 and 30, heretofore described. Thence  
 N.  $89^{\circ} 59' E.$  on true line bet. secs. 19 and 30.  
 Descending, over rolling land, covered with black sage

-63-  
SUBDIVISION OF T.30 S., R.2 E.

Chains.	and grass; soil, rocky, clay loam.
39.41	Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} S 19 \\ \frac{1}{4} \\ \hline S 30 \\ 1915 \end{array}$
	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Corner is 50 ft. below sec. cor.
64.60	Road, bears N. $40^{\circ}$ E. and SW.; Antelope Spring to Loa.
69.41	Begin abrupt descent, bearing NE. and SW.
77.41	Small draw, course NE.
79.41	The cor. of secs. 19, 20, 29, and 30, 125 ft. below $\frac{1}{4}$ sec. cor. Land, rolling. Soil, rocky clay loam. Undergrowth, black sage and grass. No timber.
N. $0^{\circ}$ $01'$ W. bet. secs. 19 and 20, Over rolling hills, covered with grass and black sage; rocky clay soil.	
2.00	Small draw, course NE. Ascend.
10.00	Top of wide spur, 30 ft. above sec. cor., projects N. $60^{\circ}$ E.
18.40	Old road, Loa to Antelope Spring, bears NE. and SW.
30.50	Bottom of draw, 30 ft. below ridge, course N. $70^{\circ}$ E. Asc.
40.00	Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} \frac{1}{4} S 19 \quad   \quad S 20 \\ \hline 1915 \end{array}$
	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Corner is on spur, 65 ft. above draw, projecting E. Desc.
50.50	Bottom of swale, 15 ft. below $\frac{1}{4}$ sec. cor., extends E. Asc.
65.00	Ridge, 20 ft. above swale, bears N. and SW.
80.00	On same ridge, bearing S. and NE. Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, with brass cap marked

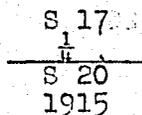
SUBDIVISION OF T.30 S., R.2 E.

Chains.



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Land, rolling hills.  
 Soil, rocky clay loam.  
 Undergrowth, sagebrush and grass.  
 No timber.

- 40.00 N.  $89^{\circ} 57' E.$  on a random line bet. secs. 17 and 20,  
 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.97 Intersect N. and S. line 5 lks. N. of the cor. of secs. 16, 17,  
 20, and 21. Thence  
 S.  $89^{\circ} 59' W.$  on true line bet. secs. 17 and 20,  
 Over rolling land, covered with grass and black sage, in  
 rocky clay loam; drainage NE. Ascending.
- 19.60 Top of abrupt ascent, 120 ft. above sec. cor., projects  
 one-half mile NE.
- 34.85 Road, from Loa to Antelope Spring, bears NE. and SW.
- 39.98 $\frac{1}{2}$  Set an iron post 3 ft. long, 1 in. in dia., 6 ins. in the  
 ground, to solid rock, with mound of stone around post,  
 for  $\frac{1}{4}$  sec. cor., with brass cap marked



- 79.97 Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 The cor. of secs. 17, 18, 19, and 20, 45 ft. above  $\frac{1}{4}$  sec. cor.  
 Land, rolling.  
 Soil, rocky clay loam.  
 Undergrowth, sage and grass. No timber.

June 8, 1915.

June 10, 1915: At 9h 59m a.m. l.m.t., I set off  $38^{\circ} 12' N.$

-70-

SUBDIVISION OF T.30 S., R.2 E.

Chains.	<p style="text-align: center;">22°59'N.on decl.arc; on the lat.arc; and determine a meridian with the solar at the cor.of secs.17,18,19, and 20. Thence S.89° 59'W.on a random line bet.secs.18 and 19,</p>
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.26	Intersect W.bdy.of Tp. 2 $\frac{1}{2}$ lks.S.of the cor.of secs.13, 18,19, and 24, heretofore described. June 10: At this cor.I set off 22° 59'N.on the decl.arc; and at apparent noon, observe the sun on the meridian; the resulting lat.is 38° 12'N.
	Thence East on a true line bet.secs.18 and 19, Over rolling land; through black sage and grass; soil, rocky clay loam. Descending.
29.26	Swale, 75 ft.below sec.cor., course N.20° E. Ascend.
39.26	Set an iron post 3 ft.long, 1 in.in dia., 8 ins.in the ground, to solid rock, with mound of stone around post for $\frac{1}{4}$ sec.cor., with brass cap marked
	$\begin{array}{r} S\ 18 \\ \frac{1}{4} \\ \hline S\ 19 \\ 1915 \end{array}$
	Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$ ft.high N.of cor. Corner on ridge bearing N.20° E. and S. 20° W. Descend.
74.26	Swale, drains N.70° E. Ascend 8 ft.to
79.26	The cor.of secs.17,18,19, and 20. Land, rolling. Soil, rocky clay loam. Undergrowth, black sage and grass. No timber.
	N.0° 08'E.bet.secs.17 and 18. Over rocky land, covered with black sage, yellow brush and grass; soil, rocky clay.Descending; slope NE.
3.00	Swale, 5 ft.below sec.cor., drains NE.
35.00	Ridge, bears NE. and SW., level with sec.cor.

SUBDIVISION OF T.30 S., R.2 E.

Chains.  
40.00

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 18 | S 17  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner level with sec. cor. Descend.

80.00

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 7, 8, 17, and 18. with brass cap marked

T 30 S R 2 E  
S 7 | S 8  
S 18 | S 17  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner is 80 ft. below  $\frac{1}{4}$  sec. cor., on ridge bearing N.10° W. and S.10° E.

Land, rolling, rocky flat.

Soil, rocky clay loam.

Undergrowth, sage and yellow brush and grass.

No timber.

40.00

N.89° 59'E. on a random line bet. secs. 8 and 17,  
Set temp.  $\frac{1}{4}$  sec. cor.

79.96

Intersect N. and S. line 8 lks. S. of the cor. of secs. 8, 9, 16, and 17,

Thence

S.89° 56'W. on a true line bet. secs. 8 and 17,

Over rolling land; ascending through undergrowth of black sage and grass.

9.98

Small spur, 5 ft. above sec. cor., bears S.60° W. and N.60° E.

13.46

Bottom of shallow draw, level with spur, course N.60° E.  
Ascend.

34.96

Foot of bench, 35 ft. above bottom of draw, bears N.30° W. and S.50° E.

Chains.

39.98 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S \ 8 \\ \frac{1}{4} \\ \hline S \ 17 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

44.96 Edge of bench bearing N.  $30^\circ$  W. and S.  $30^\circ$  E.

Ascend 10 ft. to

79.96 The cor. of secs. 7, 8, 17, and 18.

Land, rolling.

Soil, gravel and clay loam.

Undergrowth, black sage and grass.

No timber.

June 10, 1915.

June 11, 1915: At 8h 59m a.m. l.m.t., I set off  $38^\circ 13' N.$  on the lat. arc;  $23^\circ 03' N.$  on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7, 8, 17, and 18. Thence

West on a random line bet. secs. 7 and 18,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.21 Intersect W. bdy. of Tp. 5 lks. S. of the cor. of secs. 7, 12, 13 and 18, heretofore described. Thence

S.  $89^\circ 58' E.$  on a true line bet. secs. 7 and 18,

Over rolling land, sloping NE., covered with black sage and grass; soil rocky clay.

39.21 Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S \ 7 \\ \frac{1}{4} \\ \hline S \ 18 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

Land, rolling.

Soil, rocky clay loam.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

Undergrowth, black sage and grass.

No timber.

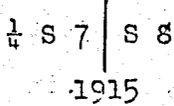
N.0° 02'E. bet. secs. 7 and 8,

Over rocky land, covered with black sage, yellow brush and grass; in rocky clay loam; descending.

32.28 Leave top of bench, bearing NW. and SE., 75 ft. below sec. cor. Descent becomes steeper.

37.02 Foot of bench, 50 ft. below top., bearing NW. and SE.

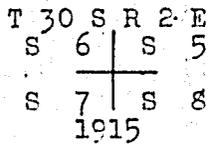
40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner is 5 ft. below foot of bench.

74.99 Edge of wide draw, 50 ft. below  $\frac{1}{4}$  sec. cor., bears E. and W.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner on S side of draw, 25 ft. below edge of draw.

Land, rolling.

Soil, rocky clay loam.

Undergrowth, black sage, yellow brush and grass.

No timber.

June 11, 1915: At this cor. I set off 23° 04' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 14' N.

N. 89° 56' E. on a random line bet. secs. 5 and 8,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

SUBDIVISION OF T.30 S., R.2 E.

Chains. 80.00	Intersect N. and S. line 7 lks. N. of the cor. of secs. 4, 5, 8, and 9. Thence S. 89° 59' W. on true line bet. secs. 5 and 8; Over low rolling hills covered with black sage and grass in clay loam.
4.50	Bottom of channel bearing N. and S. 20° E.; main drainage from the south. Ascend.
13.28	Top of low spur, 40 ft. above wash, or channel, projects N. 20° W. Descend.
24.89	Bottom of small draw, 40 ft. below spur, course N. 10° W. Asc.
28.27	Low spur, 10 ft. above draw, projects N. 30° W. Descend.
40.00	Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S. \ 5 \\ \frac{1}{4} \\ \hline S. \ 8 \end{array}$
	1915
	Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor. Corner is 10 ft. below spur.
60.00	70 lks. S. of draw, or channel, 20 ft. below $\frac{1}{4}$ sec. cor., main drainage. Ascend.
80.00	The cor. of secs. 5, 6, 7, and 8, 25 ft. above point in draw. Land, rolling hills. Soil, clay loam. Undergrowth, black sage and grass. No timber.
40.00	N. 89° 58' W. on a random line bet. secs. 6 and 7, Set temp. $\frac{1}{4}$ sec. cor.
79.09	Intersect W. bdy. of Tp. 6 lks. S. of the cor. of secs. 1, 6, 7, and 12, heretofore described.
	Thence S. 89° 56' E. on a true line bet. secs. 6 and 7, Over rolling land, covered with black sage and yellow brush; descending.

SUBDIVISION OF T.30 S., R.2 E.

Chains.

- 32.09 Bottom of swale, draining N., 25 ft. below sec. cor.  
 39.09 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S \ 6 \\ \frac{1}{4} \\ \hline S \ 7 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 Ascend.

- 56.59 Top of low ridge, 15 ft. above  $\frac{1}{4}$  sec. cor. bears N.  $10^\circ$  W. and S. Descend.

- 77.49 Bottom of small draw, 40 ft. below top of ridge, drains N.  $40^\circ$  E. Ascend.

- 79.09 The cor. of secs. 5, 6, 7, and 8, 10 ft. above draw.  
 Land, rolling hills.  
 Soil, gravel and clay loam.  
 Undergrowth, sage, yellow brush and grass.  
 No timber.

North on true line bet. secs. 5 and 6,  
 Over rolling hills, covered with black sage and yellow brush, in clay loam.

- 2.39 Bottom of small draw, 10 ft. below sec. cor., drains N.  $30^\circ$  E., from S.  $40^\circ$  W.  
 5.50 Low spur, 1 ft. above wash, projects N.  $80^\circ$  E.  
 Descend.  
 13.49 Bottom of large draw, 25 ft. below spur, drains N.  $25^\circ$  W. from S.  $75^\circ$  E. Main drainage from south.  
 Thence along side of large draw; ascending.  
 38.56 Top of spur, projects W.; 60 ft. above bottom of draw.  
 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} S \ 6 \ | \ S \ 5 \\ 1915 \end{array}$$

SUBDIVISION OF T.30 S, R.2 E.

Chains.

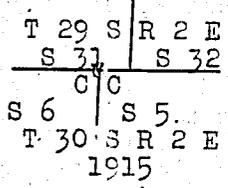
Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
Descend.

65.89 Bottom of side draw, 50 ft. below 1/4 sec. cor., drains W.  
from E.  
Road in draw, bears E. and W.

73.00 Top of ridge, 40 ft. above draw, bearing N. 80° W. and S.  
80° E.

73.80 Intersect N. bdy. of Tp. 59 1/4 S. 89° 58' W. of cor. of secs. 5, 6,  
31 & 32, heretofore described.

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the  
ground, for closing cor. of secs. 5 and 6, with brass  
cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.

I deface the marks on brass cap of post set for cor. of  
secs. 5, 6, 31, and 32, that pertain to secs. 5 and 6.

Corner is level with ridge.

June 12, 1915: At this cor. I set off 23° 08' N. on the  
decl. arc; and at apparent noon observe the sun on the  
meridian; the resulting lat. is 38° 15' N.

Land, rolling hills.

Soil, clay loam.

Undergrowth, black sage, yellow brush, and grass.

No timber.

June 12, 1915.

*Edward M. Thompson*

U.S. Transitman.

BOUNDARIES T. 30 S., R. 2 E.

Latitudes, Departures, and Closing Errors.

Lines Designated	True Bearing	Dist.	Latitudes.		Departures.	
			N.	S.	E.	W.
		chs.	chs.	chs.	chs.	chs.
Sixth Stand. Par. S.	West	480.00	.....	.....	.....	480.00
West Boundary	N. 0°07'E.	473.67	473.67	.....	.97	.....
North Boundary	N. 89°53'E.	478.88	.28	.....	478.88	.....
East Boundary	S. 0°01'E.	79.55	.....	79.55	.02	.....
	S. 0°07'W.	39.85	.....	39.85	.....	.08
	S. 0°02'W.	79.90	.....	79.90	.....	.05
	S. 0°21'W.	40.37	.....	40.37	.....	.24
	S. 0°02'W.	160.10	.....	160.10	.....	.10
	S. 0°11'W.	39.99	.....	39.99	.....	.13
	S. 0°19'E.	34.37	.....	34.37	.19	.....
Convergency					.57	
T o t a l s			473.95	474.13	480.63	480.60
Error in lat. and dep.				.18	.03	

GENERAL DESCRIPTION.

This township is a rolling mountainous country, of general elevation about 8500 to 9000 ft.; the highest portion at the south; and it has a general northerly drainage.

The soil is, in general, a clay and gravelly loam, from 1 to 5 ft. deep, of volcanic origin, and is underlaid with a solid volcanic rock. The soil is particularly shallow on the ridges in general, and is rocky in a large part of the township.

A heavy growth of black sage and yellow brush about 1 ft. high covers the entire township, as well as an excellent growth of rich and nutritious native grasses in all parts. Especially during the early spring and

late fall, and at other times during wet seasons, the grass is fine.

There is no water in the township, making it possible to graze only in early spring and late fall when snow is available.

The nearest water is some small lakes about a mile south of the southeast corner of the township, and Pine Creek, which is from 2 to 3 miles east of the east boundary of the township.

There is no timber in the township except in sec. 36 which is largely covered with aspen and pine; and a few scattering scrub cedars and pinon pine in the north-eastern part.

No indications of mineral or coal were found in the township.

There are no settlers in the township; and no improvements except two old roads traversing it, one from Loa and Thurber to Antelope Spring, through the central part of the township, and one through the eastern part from Loa and Thurber. These are used principally for hauling supplies for cattle and sheep men.

Antelope Spring is about  $2\frac{1}{2}$  miles south of the S. side of sec. 31. It would be possible to pipe the water from this spring by a gravity line, into this township.

*Scott V. Stewart*  
-----  
U.S. Surveyor.

*Edward M. Thompson*  
-----  
U.S. Transitman.



FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

\_\_\_\_\_  
*U. S. Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 191 \_\_\_\_\_

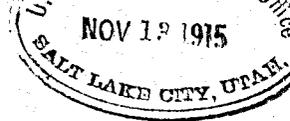
The foregoing field notes of the survey of \_\_\_\_\_

\_\_\_\_\_ executed by \_\_\_\_\_ under his special instructions dated \_\_\_\_\_, 191 \_\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

\_\_\_\_\_  
*U. S. Surveyor General.*

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

\_\_\_\_\_  
*U. S. Surveyor General.*



BOOK A-422

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability,

*Edward M. Thompson*, *Transitman*, U. S. Surveyor, during the periods and in the capacities

stated opposite our several signatures, in <sup>retracing and re-</sup>surveying all those parts or portions of *The Fremont Valley Guide Meridian on East Ady. T. 30 S. R. 2 E.*

of the *Salt Lake Base and* Meridian, in the State of *Utah*

which are represented in the foregoing field notes as having been executed by him, and under his direction: and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME	PERIOD OF SERVICE		CAPACITY
	BECS.	EXPIR.	
<i>Walter Bussard</i>	<i>May 10, 1915</i>	<i>Sept 10, 1915</i>	<i>2nd Assistant</i>
<i>Walter Bussard</i>	<i>May 11, 1915</i>	<i>Sept 11, 1915</i>	<i>2nd chainman</i>
<i>William Southworth</i>	<i>May 11, 1915</i>	<i>Sept 11, 1915</i>	<i>Chainman</i>
<i>Donald W. Macken</i>	<i>May 11, 1915</i>	<i>Sept 11, 1915</i>	<i>Assistant</i>

Subscribed and certified to before me on the dates of the final service as shown above.

*Edward M. Thompson*  
U. S. Surveyor  
*Transitman*

For certificate of assistants for balance of work in this township, see book "E" T. 29 S., R. 2 E. and book "J" T. 27 S., R. 1 E.

FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final oath of U.S. Surveyor see book "J" T. 27 S., R. 1 E.  
For final certificate of U.S. Transitman see book "J" T. 27 S., R. 1 E.

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
Salt Lake City, Utah, March 26, 1917

The foregoing field notes of the survey of retracement and resurvey of Fremont Valley Guide Meridian, Township No. 30 South, between Ranges 2 and 3 East; retracement of the north boundary; and survey of the subdivision of Township No. 30 South, Range No. 2 East of the Salt Lake Base and Meridian, Utah.

executed by Scott P. Stewart and Edward N. Thompson under <sup>their</sup> special instructions dated May 11, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements, resurveys, and surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

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BOOK A-422

\_\_\_\_\_ D. \_\_\_\_\_

MKW.

*Index B*

# FIELD NOTES

OF THE SURVEY OF THE

FREMONT VALLEY GUIDE MERIDIAN

THROUGH

TOWNSHIP NO. 29 SOUTH,

BETWEEN

RANGES NOS. 2 AND 3 EAST

Of the \_\_\_\_\_ SALT LAKE BASE AND \_\_\_\_\_ Meridian,

In the State of \_\_\_\_\_ U T A H \_\_\_\_\_

EXECUTED BY

SCOTT P. STEWART

In the capacity of U. S. Surveyor, under instructions dated May 4, 1914,

issued by the United States Surveyor General to govern surveys included in

Group No. 27, which were approved by the Commissioner of the General Land

Office, May 29, 1914; assignment instructions issued by the

Assistant Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced June 8, 1915

Survey completed June 10, 1915

# INDEX DIAGRAM.

Township 29 South, Range 2 East.

6	5	4	3	2	1	11
7	8	9	10	11	12	9
18	17	16	15	14	13	8
19	20	21	22	23	24	6
30	29	28	27	26	25	4
31	32	33	34	35	36	3

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S., BETWEEN RS. 2 AND 3 E.

Survey commenced June 8, 1915, and executed with a Young & Sons solar transit, No. 8584. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and the vertical circle. The instrument was approved by the assistant supervisor of surveys, May 6, 1915.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At the cor. of Tps. 29 and 30 S., Rs. 2 and 3 E., latitude  $38^{\circ}14'N.$ , longitude  $111^{\circ}41'W.$ ; I set off  $38^{\circ}14'N.$  on the lat. arc;  $22^{\circ}50'N.$  on the decl. arc; and at 4h 59m p.m., l.m.t., determine with the solar a meridian and mark a point thereof, by a tack in a stake, 5 chs. N. of the cor.

June 8, 1915.

June 9, 1915: At 2h 27m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, by a tack in a stake, 5 chs. N. of the cor. At 6h 50m a.m., l.m.t., I lay off the azimuth of Polaris,  $1^{\circ}27'$  to the west, and mark the meridian thus determined, by a tack in a stake, 5 chs. N. of my station; this mark falls 0.16 ins. east of the mark determined by the solar.

At 6h 59m a.m., l.m.t., I set off  $38^{\circ}14'N.$  on the lat. arc;  $22^{\circ}54'N.$  on the decl. arc; and determine a meridian with the solar and mark a point thereof, by a tack in a stake, 5 chs. N. of my station; this mark falls 0.21 ins. east of the meridian determined by Polaris

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S., BETWEEN RS. 2 AND 3 E.

Chains

observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about 0'8" west and 0'11" east of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7h 10m a.m., is N.16°40'W.; the angle thus determined gives the mag. decl. 16°40'E.

From the cor. of Tps. 29 and 30 S., Rs. 2 and 3 E., described in the notes of the east bdy. of T. 30 S., R. 2 E.,

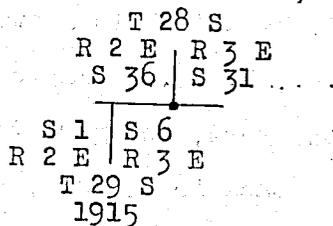
North, on Fremont Valley Guide Meridian, on a random line, setting temp.  $\frac{1}{4}$  sec. and sec. cors. at intervals of 40.00 and 80.00 chs., respectively, and at

484.06

Fall 5.90 chs. W. of the old cor. of Tps. 28 and 29 S., Rs. 2 and 3 E., which is a trachyte stone 16 x 8 x 8 ins., set in a mound of stone and marked 6 notches on N., S., E. and W. edges.

I re-establish this cor. as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 6 ins. in the ground to solid rock, with mound of stone around post, for cor. of T. 28 S., Rs. 2 and 3 E., with brass cap marked



from which

A pinon pine 16 ins. diam. bears N.9°E., 2.30 chs. dist., marked T 28 S R 3 E S 31 B T.

A pinon pine 14 ins. diam. bears N.22°40'W., 3.46 chs. dist., marked T 28 S R 2 E S 36 B T.

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S., BETWEEN RS. 2 AND 3 E.

Chains

The falling exceeds the limit; therefore I return to the cor. of Tps. 29 and 30 S., Rs. 2 and 3 E., and run north on a true line along this guide meridian. as follows:

June 9, 1915.

June 10, 1915: At 6h 59m a.m., l.m.t., I set off 38° 14' N. on the lat. arc; 22° 59' N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 29 and 30 S., Rs. 2 and 3 E.

Thence

North, bet. secs. 31 and 36,

Descending over rolling mountainous land, through scattering cedar and pinon pine timber, and dense, short undergrowth.

- 4.80 Draw, 50 ft. below cor., course NE. Ascend.
- 8.80 Spur, 15 ft. above draw, bears NE. and SW. Descend.
- 12.00 Draw, 25 ft. below spur, course NE. Ascend.
- 24.40 Spur, 35 ft. above draw, bears E. and W. Descend.
- 34.42 Bottom of draw, 20 ft. below spur, course N.70°E. Ascend.

Difference bet. measurements of 40.00 chs., by two sets of chainmen, is 4 lks.; position of middle point

By 1st set, 40.02 chs.

By 2nd set, 39.98 chs.; the mean of which is

- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{2}$  S 36 | S 31

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

- 41.30 Top of ridge, 15 ft. above  $\frac{1}{4}$  sec. cor., bears W. and NE. Descend.
- 43.70 Head of swale, drains N.60°E., 10 ft. below ridge. Ascend.
- 49.20 Top of main ridge bears E. and S.60°W.; enter clump of

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S. BETWEEN RS. 2 AND 3 E.

Chains

pinon pine bearing E. and W., 10 ft. above swale.

Descend.

60.70

More abrupt descent, bearing E. and W.

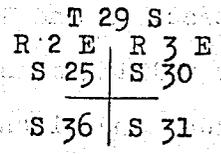
Difference bet. measurements of 80.00 chs., by two sets of chainmen is 4 lks.; position of middle point

By 1st set, 80.02 chs.

By 2nd set, 79.98 chs.; the mean of which is

80.00

Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground, with mound of stone around post, for cor. of secs. 25, 30, 31 and 36, with brass cap marked



1915

from which.

A pinon pine 12 ins. diam. bears N.6°45'E., 788.0 lks. dist., marked T. 29 S R 3 E S 30 B T.

A pinon pine 8 ins. diam. bears S.65°15'E., 630.0 lks. dist., marked T. 29 S R 3 E S 31 B T.

A pinon pine 12 ins. diam. bears S.4°30'W., 164.0 lks. dist., marked T. 29 S R 2 E S 36 B T.

A pinon pine 9 ins. diam. bears N.64°45'W., 84.0 lks. dist., marked T. 29 S R 2 E S 25 B T.

Cor. 150 ft. below ridge.

Land, rolling mountainous.

Soil, rocky; average depth, 6 ins. to 2 ft.; volcanic stone.

Timber, pinon pine and cedar.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

North, bet. secs. 25 and 30,

Over rolling mountainous land, through volcanic rocks, and scattering pinon pine timber and dense, short undergrowth.

FREMONT VALLEY GUIDE MERIDIAN

TR. 29 S. 7. BETWEEN RS. 2 AND 3 E.

Chains	
1.58	Abrupt descent.
6.42	Foot of abrupt descent, bears NE. and SW.; leave timber, bearing same.
8.82	Bottom of draw, 50 ft. wide, draining NE., 100 ft. below sec. cor. Ascend.
11.42	Top of spur, bears NE. and SW., 5 ft. above draw. Descend.
13.62	Bottom of draw, drains NE., 3 ft. below spur. Ascend.
20.10	Top of spur, bears S.60°W. and E., 10 ft. above draw. Descend.
24.65	Bottom of draw, drains N.60°E., 20 ft. below spur. Ascend.
37.69	Top of ridge, bears NE. and SW., 55 ft. above draw. Descend.
	Difference bet. measurements of 40.00 chs., by two sets of chainmen is 3 lks.; position of middle point By 1st set, 39.98½ chs.. By 2nd set, 40.01½ chs.; the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked $\begin{array}{c} \frac{1}{4} S 25 \quad   \quad S 30 \\ 1915 \end{array}$
	and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Cor. 5 ft. below top of ridge.
46.45	Bottom of draw, drains N.60°E., 55 ft. below ridge. Ascend.
52.55	Top of ridge, bears NE. and S.80°W., 30 ft. above draw. Descend.
53.12	Old road, bears NE. and S.80°W.
56.85	Bottom of draw, drains NE., 25 ft. below ridge. Ascend.
71.25	Top of ridge, bears N.40°E. and S.70°W., 20 ft. above draw. Descend.
77.92	Bottom of hollow, draining N.40°E. Ascend.

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S. BETWEEN RS. 2 AND 3 E.

Chains

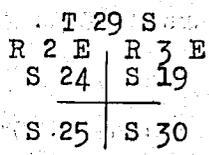
Enter scattering cedar and pinon pine.

Difference bet. measurements of 80.00 chs., by two sets of chainmen, is 4 lks.; position of middle point

By 1st set, 79.98 chs.

By 2nd set, 80.02 chs.; the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground to solid rock, with mound of stone around post, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 10 ft. above draw and 90 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, 6 ins. to 2 ft. deep.

Timber, cedar and pinon pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Grass good for grazing.

North, bet. secs. 19 and 24,

Ascending over rolling mountainous land, through scattering pine and cedar timber, volcanic rocks, and undergrowth of yellow brush.

2.50 Top of ridge, bears E. and N.60°W., 5 ft. above cor.

4.90 Abrupt descent, bears E. and W.

7.45 Bottom of hollow, drains E. 5 chs., then NE., 70 ft. below ridge.

16.75 South edge of broad ridge, bears E. and W., 35 ft. above hollow.

Leave timber.

28.23 Draw, 10 ft. deep on ridge, drains E.

Chains

Difference bet. measurements of 40.00 chs., by two sets of chainmen, is 2 lks.; position of middle point

By 1st set, 40.01 chs.

By 2nd set, 39.99 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 24 | S 19

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 30 ft. below top of ridge.

52.10 N. edge of broad ridge, bears N.70°E. and S.70°W. Descend abruptly.

59.40 Bottom of hollow, 140 ft. below ridge, course NE.

Ascend.

71.00 Top of ridge, 30 ft. above hollow, bears NE. and S.70°W. Descend.

Difference bet. measurements of 80.00 chs., by two sets of chainmen, is 4 lks.; position of middle point

By 1st set, 79.98 chs.

By 2nd set, 80.02 chs.; the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground, with mound of stone around post, for cor. of secs. 13, 18, 19 and 24, with brass cap marked

T 29 S

R 2 E | R 3 E

S 13 | S 18

S 24 | S 19

1915

from which

A cedar 20 ins. diam. bears S.84°30'E., 130 lks.

dist., marked T 29 S R 3 E S 19 B T.

A cedar 15 ins. diam. bears S.2°30'W., 234 lks.

dist., marked T 29 S R 2 E S 24 B T.

No other bearing trees within limits. Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

FREMONT VALLEY GUIDE MERIDIAN

TR. 296S., BETWEEN RS. 2 AND 3 E.

Chains	<p>Cor. 60 ft. below ridge.</p> <p>Land, rolling mountainous.</p> <p>Soil, gravelly, 1 to 3 ft. deep.</p> <p>Timber, cedar and pinon pine.</p> <p>Undergrowth, sage and yellow brush.</p> <p>Grass fair for grazing.</p> <p>June 10, 1915: At this cor. I set off 22°59'N. on the decl. arc; and at 11h 59m a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 38°16'N.</p>				
	<p>North, bet. secs. 13 and 18,</p> <p>Descending over rolling mountainous land, through dense, short undergrowth of rabbit brush and scattering grama grass, and volcanic stone.</p> <p>1.78 Bottom of hollow, 15 ft. below cor., drains N.50°E. Asc.</p> <p>13.40 Top of ridge, 30 ft. above hollow, bears E. and W.</p> <p>Descend.</p> <p>20.67 Bottom of hollow, 45 ft. below ridge, drains S.50°E.</p> <p>Ascend.</p> <p>27.00 Top of broad ridge, 20 ft. above hollow, bears NE. and S.80°W. Descend gently.</p> <p>38.30 Bottom of swale, at head of hollow, 25 ft. below ridge, drains N.30°E. Ascend.</p> <p>Difference bet. measurements of 40.00 chs., by two sets of chainmen, is 1 lk.; position of middle point</p> <p>By 1st set, 39.99½ chs.</p> <p>By 2nd set, 40.00½ chs.; the mean of which is</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked</p> <div style="text-align: center;"> <table border="0"> <tr> <td>¼ S 13</td> <td style="border-left: 1px solid black; border-right: 1px solid black;">S 18</td> </tr> <tr> <td colspan="2" style="text-align: center;">1915</td> </tr> </table> </div> <p>and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.</p> <p>44.00 Top of spur, 60 ft. above swale, bears E. and W.</p> <p>Descend.</p>	¼ S 13	S 18	1915	
¼ S 13	S 18				
1915					

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S. BETWEEN RS. 2 AND 3 E.

Chains

53.88 Bottom of hollow, 45 ft. below ridge, drains E. 6 chs.,  
thence NE. Ascend.

68.15 Old road, from Loa to Antelope Spring, bears N.60°W.  
and S.60°E.

70.00 Ridge, bears E. and W., 30 ft. above hollow.  
Descend.

Difference bet. measurements of 80.00 chs., by two sets  
of chainmen, is 6 lks.; position of middle point  
By 1st set, 79.97 chs.  
By 2nd set, 80.03 chs.; the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins.  
in the ground, with mound of stone around post, for  
cor. of secs. 7, 12, 13 and 18, with brass cap marked

T 29 S	
R 2 E	R 3 E
S 12	S 7
S 13	S 18

1915

from which

A pinon pine 10 ins. diam. bears S.76°45'W., 90.  
lks. dist., marked T 29 S R 2 E S 13 B T.

A pinon pine 8 ins. diam. bears N.43°15'W., 175.  
lks. dist., marked T 29 S R 2 E S 12 B T.

No other bearing trees within limits. Raise a mound  
of stone, 4 ft. base, 3 ft. high, W. of cor.

Cor. 20 ft. below ridge.

Land, rolling mountainous.

Soil, rocky.

Timber, cedar and pinon pine.

Undergrowth, sage, yellow brush, rabbit brush and  
grama grass.

North, bet. secs. 7 and 12,  
Descending over rolling mountainous land, through short,  
dense undergrowth.

22.50 Bottom of canyon, 305 ft. below cor., drains E.

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S., BETWEEN RS. 2 AND 3 E.

Chains	
	Ascend.
31.50	Top of ridge, 245 ft. above canyon, bears E. and W.
	Descend.
	Difference bet. measurements of 40.00 chs., by two sets of chainmen, is 1 lk.; position of middle point
	By 1st set, 39.99½ chs.
	By 2nd set, 40.00½ chs.; the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S 12   S 7
	1915
	and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Cor. 165 ft. below ridge.
40.80	Bottom of canyon, 5 ft. below ¼ sec. cor., drains E.
	Ascend.
49.00	Top of ridge, 180 ft. above canyon, bears E. and NW.
	Descend.
66.80	Bottom of draw, 25 ft. below ridge, drains SE.
	Ascend.
75.00	Ridge, 15 ft. above draw, bears E. and W.
	Descend.
79.50	Draw, 5 ft. below ridge, drains S. 80° E.
	No difference in measurement by two sets of chainmen.
80.00	Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, with brass cap marked
	T 29 S
	R 2 E   R 3 E
	S 11   S 6
	S 12   S 7
	1915
	and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling mountainous.
	Soil, rocky, 6 ins. to 3 ft. deep.

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S., BETWEEN RS. 2 AND 3 E.

Chains.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Grass poor. No timber.

North, bet. secs. 1 and 6,

Ascending, over rolling mountainous land; through dense short undergrowth.

3.90 Top of ridge, 15 ft. above cor., bears E. and W.

Descend.

14.00 Bottom of canyon, 105 ft. below ridge, drains E.

Ascend.

18.50 Top of ridge, 105 ft. above canyon, bears NE. and SW.

Descend.

37.40 Bottom of draw, 80 ft. below ridge, drains E.

Ascend.

Difference bet. measurements of 40.00 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 30.99 chs.

By 2d set 40.01 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 1 | S. 6

1915

and raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Cor. 10 ft. above draw.

41.30 Top of ridge, 3 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W.

Descend.

60.00 Bottom of draw, 80 ft. below ridge, drains E.

Ascend.

66.80 Top of ridge, 30 ft. above draw, bears E. and W.

Descend.

75.65 Old road, bears NW. and SE.

77.80 Bottom of draw, 45 ft. below ridge, drains E.

Ascend.

FREMONT VALLEY GUIDE MERIDIAN

T. 29 S., BETWEEN RS. 2 AND 3 E.

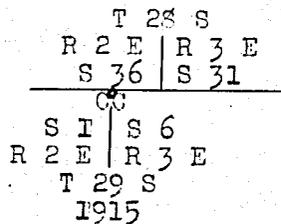
Chains. Difference bet. measurements of 84.06 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 84.07 chs.

By 2nd set 84.05 chs.; the mean of which is

84.06 Intersect the S.bdy. of T. 28 S., R. 2 E., 5.90 chs. W. of the cor. of T. 28 S., Rs. 2 and 3 E., described on page 2 of this book. At point of intersection,

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for closing cor. of T. 29 S., Rs. 2 and 3 E. with brass cap marked



from which

A pinon pine, 8 ins. diam., bears S. 82° 45' W. 63 lks. dist., marked T 29 S. R. 2 E. S 1 B T

No other trees within limits; raise a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.

Corner 15 ft. above dfaw..

Land, rolling, mountainous.

Soil, rocky, 6 ins. to 3 ft. deep.

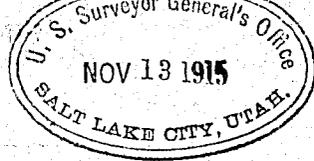
Timber, cedar and pinon pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Grass, poor.

June 10, 1915.

*Scott Stewart*  
U. S. Surveyor.



CERTIFICATE OF ASSISTANTS.

I, the undersigned, hereby certify upon honor that I assisted, to the best of my skill and ability, Scott R. Stewart, U. S. Surveyor, during the periods and in the capacities stated opposite my several signatures, in surveying all those parts or portions of Fremont Valley Guide Meridian or E. Edy. of T. 29 S. R. 2 E

of the Salt Lake Base and Meridian, in the State of Utah - which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of my knowledge and belief, well and faithfully executed.

Table with 3 columns: NAME, PERIOD OF SERVICE (BEGUN, ENDED), CAPACITY. Row 1: W. Phelps, May 10, 1915, Aug 12, 1915, Chairman and Member.

Subscribed and certified to before me on the dates of the final service as shown above.

Scott R. Stewart

U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

\_\_\_\_\_  
*U. S. Surveyor.*

Subscribed by said \_\_\_\_\_ and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 191\_\_\_\_

The foregoing field notes of the survey of \_\_\_\_\_

executed by \_\_\_\_\_ under his special instructions dated \_\_\_\_\_, 191\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

\_\_\_\_\_  
*U. S. Surveyor General.*

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

\_\_\_\_\_  
*U. S. Surveyor General.*



FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final oath of U.S. Surveyor see book "J" T.27 S., R.1 E.

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 26, 1917

The foregoing field notes of the survey of the Fremont Valley Guide Meridian, through Township No. 29 South, between Ranges Nos. 2 and 3 East of the Salt Lake Base and Meridian, Utah,

executed by \_\_\_\_\_ Scott P. Stewart \_\_\_\_\_ under his special instructions dated \_\_\_\_\_ May 4 \_\_\_\_\_, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*[Signature]*  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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BOOK A-422

E.

MKW.

# FIELD NOTES

*Index B*

OF THE SURVEY OF THE

SUBDIVISION

O F

TOWNSHIP NO. 29 SOUTH, RANGE NO. 2 EAST,

Of the SALT LAKE BASE AND Meridian,

In the State of U T A H

EXECUTED BY

SCOTT P. STEWART AND EDWARD N. THOMPSON

and U.S. Transitman

in the capacity of U. S. Surveyor, under instructions dated May 4, 1914,

issued by the United States Surveyor General to govern surveys included in

Group No. 27, which were approved by the Commissioner of the General Land

Office, May 29, 1914; assignment instructions issued by the

Assistant Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced June 12, 1915

Survey completed June 26, 1915

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# INDEX DIAGRAM.

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14	•	212	•	198	•	185	•	172	•	159	•	141

Chains

Survey commenced June 12, 1915, and executed with Young & Sons transit, No. 8146, with solar attachment, for description and test of which see notes of the retracement of the Fremont Valley Guide Meridian, T. 30 S., bet. Rs. 2 and 3 E., book "D."

June 12, 1915: At 2h 59m p.m., l.m.t., I set off  $38^{\circ}15'$  N. on the lat. arc;  $23^{\circ}09'$  N. on the decl. arc; and determine a meridian with the solar at point for cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., which is 30 lks. E. of the witness cor., heretofore described.

Thence

N.  $0^{\circ}01'$  W., bet. secs. 35 and 36,

Over rolling hills covered with black sage; soil, rocky loam. Ascend.

8.92 Rocky spur, 125 ft. above cor., projects E. Descend.

10.87 Bottom of small draw, 25 ft. below spur, drains E.

Ascend.

28.98 Top of spur, 50 ft. above draw, projects NE. Descend.

33.93 Bottom of draw, 55 ft. below spur, drains N.  $60^{\circ}$  E.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. deep in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 35 | S 36

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. stands on top of spur projecting NE., 20 ft. above draw.

54.00 Descend.

64.89 Bottom of draw, 60 ft. below  $\frac{1}{4}$  sec. cor., drains N.  $80^{\circ}$  E.

Ascend.

72.70 South edge of small flat, 80 ft. above draw, bears NE. and S.  $40^{\circ}$  W.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. deep in a mound of stone, for cor. of secs. 25, 26, 35 and 36, with brass cap marked

T 29 S	R 2 E
S 26	S 25
S 35	S 36

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling mountainous.

Soil, volcanic rock, clay loam and gravel.

No timber.

Undergrowth, black sage.

40.00 N.89°58'E., on a random line bet. secs. 25 and 36. Set temp. ¼ sec. cor.

79.73 Intersect E. bdy. of Tp., Fremont Valley Guide Meridian, 4½ lks. S. of the cor. of secs. 25, 30, 31 and 36, heretofore described.

Thence

S.89°56'W., on a true line bet. secs. 25 and 36, Descending over rolling, mountainous land, through scattering cedar and pinon timber, and undergrowth of black sage.

1.28 East edge of canyon, 5 ft. below cor., bears N.30°E. and S.30°W. Leave timber, descend rocky slope.

5.72 Bottom of canyon, 95 ft. below edge, drains N.30°E. Ascend.

24.03 Bottom of draw, 40 ft. above bottom of canyon, drains N.65°E. Ascend.

39.86½ Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

S 25
¼
S 36
1915

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high,

W. of cor.

Cor. 60 ft. above draw.

40.13 Bottom of small draw, drains S.80°E.

69.73 Edge of flat, bears N.30°W. and S.30°E.

79.73 The cor. of secs. 25, 26, 35 and 36, 160 ft. above draw.

Land, rolling mountainous.

Soil, rocky, clay loam.

Timber, pinon pine and scrub cedar.

Undergrowth, black sage and grass.

June 12, 1915.

June 14, 1915: At 9 a.m., l.m.t., I set off 38°15'N.

on the lat. arc; 23°15'N. on the decl. arc; and de-

termine a meridian with the solar at the cor. of secs.  
25, 26, 35 and 36.

Thence

N.0°01'W., bet. secs. 25 and 26,

Over rolling hills covered with yellow brush.

5.00 Leave flat, bearing NW. and SE. Descend.

24.98 Bottom of shallow draw, 65 ft. below cor., drains  
S.60°E. Ascend.

36.84 Top of ridge, 60 ft. above draw, bears N.80°W. and  
S.70°E. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, level with top of ridge, for ¼ sec.

cor., with brass cap marked

½ S 26 | S 25

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,

W. of cor.

49.38 Bottom of shallow draw, 35 ft. below ¼ sec. cor., drains

N.70°E. Ascend.

72.20 Top of low ridge, 75 ft. above draw, bears N.70°W. and

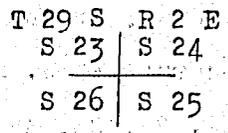
S.80°E. Descend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 10 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, clay loam.

No timber.

Undergrowth, yellow brush and grass.

40.00

N.89°56'E., on a random line bet. secs. 24 and 25. Set temp. 1/4 sec. cor.

79.75

Intersect E. bdy. of Tp., Fremont Valley Guide Meridian, 1/2 lk. N. of the cor. of secs. 19, 24, 25 and 30, heretofore described.

June 14, 1915: Sky overcast at noon. No obsn. for lat.

S.89°56'W., on a true line bet. secs. 24 and 25,

Ascending over rolling hills, through undergrowth of sage, yellow brush and grass.

11.48

Top of spur, 45 ft. above cor., projects N.60°E. Descend.

23.74

Bottom of wash, 10 ft. below spur, drains N., joining large draw 5 chs. N. Ascend.

39.87 1/2

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



S 25  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Cor. 85 ft. above wash.

Continue ascent, along N. side of ridge.

79.75 The cor. of secs. 23, 24, 25 and 26, 100 ft. above  $\frac{1}{4}$  sec. cor.

Land, rolling hills.

Soil, rocky, clay loam.

No timber.

Undergrowth, sage, yellow brush and grass.

N. 0° 01' W., bet. secs. 23 and 24,

Descending over rolling hills covered with yellow brush.

19.69 Bottom of rocky draw, 135 ft. below cor., drains E.

Scattering cedar in bottom. Ascend.

24.79 Top of rocky spur, 65 ft. above draw, projects E. from NW. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 23	S 24
--------------------	------

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

W. of cor.

Cor. 15 ft. below spur.

48.20 Bottom of shallow draw, 20 ft. below  $\frac{1}{4}$  sec. cor., drains E. Ascend.

64.00 Low ridge, 35 ft. above draw, bears E. and W.

Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24,

with brass cap marked

T 29 S	R 2 E
S 14	S 13

S 23	S 24
------	------

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

W. of cor.

Cor. 20 ft. below ridge.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Land, rolling.  
 Soil, rocky clay loam.  
 Timber, cedar.  
 Undergrowth, yellow brush. Good grass.  
 June 14, 1915.

June 16, 1915: At 9 a.m., l.m.t., I set off  $38^{\circ}17'N$ .  
 on the lat. arc;  $23^{\circ}20'N$ . on the decl. arc; and deter-  
 mine a meridian with the solar at the cor. of secs.  
 13, 14, 23 and 24.

Thence  
 $N.89^{\circ}56'E.$ , on a random line bet. secs. 13 and 24.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.69 Intersect E. bdy. of Tp., Fremont Valley Guide Meridian,  
 5 lks. N. of the cor. of secs. 13, 18, 19 and 24,  
 heretofore described.

Thence  
 $S.89^{\circ}58'W.$ , on a true line bet. secs. 13 and 24,  
 Over rolling land, through sage and yellow brush.

Descend.

2.29 Bottom of draw, 5 ft. below sec. cor., drains  $N.65^{\circ}E$ .  
 Ascend.

39.84 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in  
 the ground to solid rock, with mound of stone around  
 post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 13

$\frac{1}{4}$

S 24

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor.

Cor. 100 ft. above draw.

44.69 Top of abrupt ascent, bearing  $N.10^{\circ}W$ . and  $S.10^{\circ}E$ .

79.69 The cor. of secs. 13, 14, 23 and 24, 70 ft. above  $\frac{1}{4}$  sec.  
 cor.

Land, rolling.

Chains

Soil, rocky clay loam.

No timber.

Undergrowth, sage and yellow brush.

June 16, 1915: At this cor. I set off  $23^{\circ}21'N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ}17'N.$

$N.0^{\circ}01'W.$ , bet. secs. 13 and 14.

Over rolling hills and across rugged canyon with scattering pines. Sagebrush in rocky clay to canyon, then solid and loose rock. Descend.

1.40 Old road, from Loa to Antelope Spring, bears NE. and SW.

11.00 Bottom of swale, 10 ft. below cor., drains E.

Ascend.

16.29 Top of low ridge, 15 ft. above swale, bears E. and W. (low divide). Descend.

30.15 Old road, bears  $N.75^{\circ}W.$  and  $S.80^{\circ}E.$

34.20 Old road, bears  $N.75^{\circ}W.$  and  $S.80^{\circ}E.$

38.19 Bottom and end of small draw, 30 ft. below cor., drains W. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 14 | S 13

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 50 ft. below ridge.

54.99 Top of spur, 25 ft. above draw, projects W. Descend.

61.14 South edge of canyon, 10 ft. below spur, bears E. and W.

72.30 Top of vertical ledge, 210 ft. below edge of canyon, bears E. and W.

72.80 Bottom of rough canyon and ledge, 200 ft. below top; canyon runs  $N.60^{\circ}E.$  from W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam.,

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

in a mound of stone, for cor. of secs. 11, 12, 13 and 14, with brass cap marked

T 29 S	R 2 E
S 11	S 12
S 14	S 13

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 200 ft. above bottom of canyon.

Land, rolling mountainous; cross rugged canyon.

Soil, rocky clay; slide rock and solid rock in canyon.

Timber, pinon pine and scrub cedar.

Undergrowth, sagebrush and grass.

N.89°58'E., on a random line bet. secs. 12 and 13.

40.00 Set temp. ¼ sec. cor.

79.71 Intersect E. bdy. of Tp., Fremont Valley Guide Meridian, 2 lks. N. of the cor. of secs. 7, 12, 13 and 18, heretofore described.

Thence

S.89°59'W., on a true line bet. secs. 12 and 13.

Running W. on sides and across canyon, over solid and loose rock, through scattering sagebrush undergrowth and scattering pine and cedar timber. Descend.

1.30 Bottom of short side draw, 25 ft. below cor., drains N. Ascend.

5.10 Top of spur, 25 ft. above draw, projects N. Descend.

9.85 Bottom of side draw, 100 ft. below spur, drains N. Ascend.

13.90 Top of sharp, rocky spur, 120 ft. above draw, projects N.10°E. Descend.

17.00 Bottom of side draw, 110 ft. below spur, drains N.10°W. from S. Ascend.

18.60 Top of rocky spur, 25 ft. above draw, projects N.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Descend shale slope.

24.05 Top of cliff, 105 ft. below spur, bears N.20°E. and S.20°W. Descend.

24.95 Bottom of cliff and bottom of main canyon, 90 ft. below top of cliff, bears N.50°E. and S.35°W.

26.00 Main channel, 30 lks. wide and 3 ft. deep, 5 ft. below bottom of cliff, bears N.50°E. and S.35°W. Ascend.

27.30 N. side of bottom, 5 ft. above channel, bears same. Steep ascent.

29.00 Pass 60-ft. cliff on N.

31.70 Point of cliff, 190 ft. above bottom of canyon. Descend.

32.50 Hole between cliffs, 70 ft. below cliff, drains S. Ascend.

33.90 Point of cliff (320 lks. N. and 260 ft. above bottom of canyon), 145 ft. above hole.

37.60 Top of cliff, 55 ft. above last cliff. Descend.

39.85 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. in diam., 3 ins. in to solid rock the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 12

$\frac{1}{4}$

S 13

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

Cor. stands in depression, 20 ft. below top of cliff. Ascend.

45.40 Top of rocky spur, 80 ft. above  $\frac{1}{4}$  sec. cor., projects S.10°E., 1 ch. S. of north edge of canyon. Descend.

56.25 Bottom of canyon, 340 ft. below spur, bears S.80°E. and N.80°W.

60.45 Bend in channel runs S.80°E. from S.75°W. (level). Ascend.

65.70 Top of cliff, 180 ft. above bottom. Descend.

67.20 Side gully, 35 ft. below cliff, drains S. Ascend.

69.80 Cliff, 100 ft. above gully, projects S. Descend.

-10-  
SUBDIVISION OF T. 29 S., R. 2 E.

Chains

- 72.20 Side gully, 50 ft. below cliff, drains S. Ascend.
- 75.60 Top of rocky spur, 55 ft. above gully, projects S.  
Descend.
- 79.71 The cor. of secs. 11, 12, 13 and 14, 50 ft. below spur.  
Land, along rough canyon; rocks and cliffs.  
Soil, rocky, and clay loam.  
Timber, pinon pine and scrub cedar.  
Undergrowth, scattering sagebrush and grass.

June 16, 1915.

June 18, 1915: At 9h 1m a.m., l.m.t., I set off  $38^{\circ}18'$  N. on the lat. arc;  $23^{\circ}24'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14.

Thence

N.  $0^{\circ}01'$  W., bet. secs. 11 and 12,

Over rolling hills covered with yellow brush and sagebrush; scattering pines and cedars. Ascend.

- 3.40 North edge of canyon and top of ledge, 180 ft. above cor., bears E. and W.
- 6.20 Top of ridge, 10 ft. above edge of canyon, bears E. and W. Descend.
- 38.60 Bottom of draw, 120 ft. below ridge, drains N.  $80^{\circ}$  E. from W. Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., on solid rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- $\frac{1}{4}$  S 11 | S 12  
 1915
- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- Cor. 25 ft. above draw.
- 58.00 Top of low ridge, 65 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W. Descend.
- 65.30 Bottom of small side draw, 50 ft. below ridge, drains N.  $35^{\circ}$  E. from S.  $40^{\circ}$  W. Ascend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

69.00 Top of spur, 10 ft. above draw, projects N.30°E. from S.40°W. Descend.

70.00 Enter timber.

74.60 Bottom of large draw, 115 ft. below spur, drains E. Ascend.

76.90 Top of spur, 30 ft. above draw, projects W. Descend.

79.25 Bottom of main draw, 20 ft. below spur, drains S.40°W. from N.45°E. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground, with mound of stone around post, for cor. of secs. 1, 2, 11 and 12, with brass cap marked

T 29 S	R 2 E
S 2	S 1
S 11	S 12

1915

from which

A pine 16 ins. diam. bears N.63°50'E., 158 lks. dist., marked T 29 S R 2 E S 1 B T.

A pine 16 ins. diam. bears S.45°51'W., 116 lks. dist., marked T 29 S R 2 E S 11 B T.

No other trees available; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 10 ft. above draw.

Land, rolling mountainous.

Soil, rocky, clay loam.

Timber, pinon pine and cedar.

Undergrowth, sagebrush, yellow brush and grass.

June 18, 1915: At this cor. I set off 23°24'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°19'N.

N.89°59'E., on a random line bet. secs. 1 and 12.

40.00 Set temp. ¼ sec. cor.

79.59 Intersect E. bdy. of Tp., Fremont Valley Guide Meridian,

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

2½ lks. N. of the cor. of secs. 1, 6, 7 and 12, heretofore described.

Thence

West, on a true line bet. secs. 1 and 12, Ascending along S. slope of ridge, through undergrowth of sage and yellow brush.

29.59 Enter timber, bearing N. and S.

39.79½ Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

S 1

¼

S 12

1915.

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

50.79 East edge of draw, 5 ft. above ¼ sec. cor., bears N.70°E. and S.65°W. Descend.

56.79 Bottom of main draw, 80 ft. below edge, drains N.70°E. Ascend.

75.19 Top of spur, 115 ft. above bottom of main draw, projects SW. from N.15°E. Descend.

78.99 Bottom of main draw, 70 ft. below spur, drains S.45°W. from N.30°E. Ascend.

79.59 The cor. of secs. 1, 2, 11 and 12, 5 ft. above draw. Land, rolling mountainous.

Soil, gravelly, clay loam.

Timber, pinon pine.

Undergrowth, sagebrush, yellow brush and grass.

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Knowing that there will be CC on the W. bdy.

N.0°01'W., bet. secs. 1 and 2, on true line

Over rolling hills covered with sage and yellow brush, through scattering pine timber. Ascend.

2.00 Top of spur, 15 ft. above cor., projects E. Descend.

3.60 Bottom of draw, 15 ft. below spur, draining E. Ascend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

- 9.00 Leave timber, bearing E. and W.
- 9.40 North edge of draw, 100 ft. above bottom, bears E. and W.
- 14.40 Top of low spur, 20 ft. above edge of draw, projects E.  
Descend.
- 24.40 Bottom of swale, 20 ft. below spur, drains E.  
Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
 $\frac{1}{4}$  S 2 | S 1  
1915  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.  
Cor. 60 ft. above swale.
- 49.50 Point on W. side of rocky knoll, 15 ft. above  $\frac{1}{4}$  sec. cor.  
Descend.
- 50.00 Enter scattering pine and juniper timber, bearing E.  
and W.
- 64.50 Bottom of swale, 35 ft. below knoll, drains NW.  
Ascend.
- 82.90 Rocky point, 40 ft. above swale, bears N.40°W. and  
S.60°E. Descend.
- 84.02 Intersect N. bdy. of the Tp., 555 lks. W. of the cor.  
of secs. 35 and 36, heretofore described.  
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for closing cor. of secs. 1 and 2,  
with brass cap marked  
 $\begin{array}{c} T 28 S \\ S 35 \end{array} \left| \begin{array}{c} R 2 E \\ S 36 \end{array} \right.$   
 $\begin{array}{c} C \\ S 2 \end{array} \left| \begin{array}{c} C \\ S 1 \end{array} \right.$   
 $\begin{array}{c} T 29 S \\ 1915 \end{array} \left| \begin{array}{c} R 2 E \end{array} \right.$   
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
S. of cor.  
Cor. 10 ft. below rocky point.  
Land, rolling mountainous.  
Soil, rocky, clay loam.

-14-  
SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Timber, pinon pine and juniper.

Undergrowth, sage and yellow brush.

June 18, 1915.

June 15, 1915: At 9 a.m., l.m.t., I set off  $38^{\circ}15'N$ . on the lat. arc;  $23^{\circ}18'N$ . on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., heretofore described.

Thence

N. $0^{\circ}01'W$ ., bet. secs. 34 and 35,

Over rocky hills covered with black sage and yellow brush; drainage E.

8.56 Begin steep descent, bearing NE. and SW.

14.80 Bottom of draw, 1 ch. E. of end, 150 ft. below cor., drains N. $70^{\circ}E$ . Ascend.

28.80 Top of spur, 190 ft. above draw, projects N. $80^{\circ}E$ . Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 34 | S 35

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 120 ft. below spur.

41.79 Bottom of draw, 15 ft. below  $\frac{1}{4}$  sec. cor., drains N. $80^{\circ}E$ . from W. Ascend.

52.46 Top of ridge, 65 ft. above draw, bears E. and W. Descend.

74.23 Bottom of draw, 95 ft. below ridge, drains E. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, with mound of stone around post, for cor. of secs. 26, 27, 34 and 35, with brass cap marked

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

T 29 S	R 2 E
S 27	S 26
S 34	S 35

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 35 ft. above draw.

Land, rolling hills.

Soil, rocky, clay loam.

No timber.

Undergrowth, black sage, yellow brush and grass.

June 15, 1915: At this cor. I set off  $23^{\circ}18'N.$  on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is  $38^{\circ}15'N.$

$N.89^{\circ}58'E.$ , on a random line bet. secs. 26 and 35.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.64 Intersect N. and S. line 1 lk. N. of the cor. of secs.  
25, 26, 35 and 36.

Thence

$S.89^{\circ}58'W.$ , on a true line bet. secs. 26 and 35,

Over rocky flat, through undergrowth of yellow brush  
and grass.

24.64 Leave flat, bearing NW. and SE. Ascend.

39.82 Set an iron post, 3 ft. long, 1 in. in diam., 24 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 26

$\frac{1}{4}$

S 35

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. 60 ft. above sec. cor.

57.79 Bottom of wash, drains  $N.30^{\circ}E.$

Ascend.

74.64 Top of low ridge, 60 ft. above wash, bears  $N.80^{\circ}W.$   
and  $S.75^{\circ}E.$  Descend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

79.64 The cor. of secs. 26, 27, 34 and 35, 25 ft. below ridge.  
Land, rolling mountainous.  
Soil, gravel and clay loam.  
No timber.  
Undergrowth, yellow brush and grass.

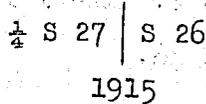
North, bet. secs. 26 and 27,  
Over rolling hills covered with yellow brush and grass.  
Ascend.

1.40 Top of ridge, 5 ft. above cor., bears W. and S.80°E.  
Descend.

21.03 Bottom of wide draw, 75 ft. below ridge, drains E.  
Ascend.

34.00 Top of spur, 65 ft. above draw, projects N.80°E.  
Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

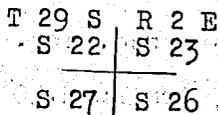
Cor. 25 ft. below spur.

53.70 Old road, from Loa to Antelope Spring, bears NE. and SW.

64.70 Ridge, 44 ft. below  $\frac{1}{4}$  sec. cor., bears N.20°E. and S.  
40°W.

77.88 Bottom of draw, 35 ft. below ridge, drains N.35°E.  
from S.40°W. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 22, 23, 26 and 27,  
with brass cap marked



1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Cor. 10 ft. above draw.

Land, rolling hills.

Soil, rocky, clay loam.

No timber.

Undergrowth, yellow brush and grass.

June 15, 1915.

June 17, 1915: At 9 a.m., l.m.t., I set off  $38^{\circ}16'N$ .

on the lat. arc;  $23^{\circ}23'N$ . on the decl. arc; and determine a meridian with the solar at the cor. of secs.

22, 23, 26 and 27.

Thence

$N.89^{\circ}58'E.$ , on a random line bet. secs. 23 and 26.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.62 Intersect N. and S. line 6 lks. S. of the cor. of secs.

23, 24, 25 and 26.

Thence

$S.89^{\circ}55'W.$ , on a true line bet. secs. 23 and 26,

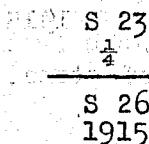
Ascending over rolling land, through undergrowth of yellow brush.

21.62 Top of low ridge, 25 ft. above sec. cor., bears  $N.80^{\circ}W$ .

and  $S.70^{\circ}E$ . Descend.

39.81 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Cor. stands in swale draining SE. 20 ft. below ridge.

Ascend.

57.93 Old road, from Loa to Antelope Spring, bears NE. and SW.

64.62 Top of ridge, 30 ft. above  $\frac{1}{4}$  sec. cor., bears  $N.20^{\circ}E$ .

and  $S.60^{\circ}W$ . Descend.

78.02 Bottom of draw, 30 ft. below ridge, drains  $N.45^{\circ}E$ .

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Ascend.

- 79.62 The cor. of secs. 22, 23, 26 and 27, 15 ft. above draw. Land, rolling.  
Soil, rocky, clay loam.  
No timber.  
Undergrowth, yellow brush and grass.

June 17, 1915: At this cor. I set off  $23^{\circ}23'N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ}16'N.$

$N.0^{\circ}01'W.$ , bet. secs. 22 and 23,

Ascending over rolling hills covered with black sage and yellow brush; soil, clay loam.

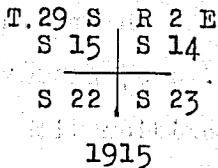
- 4.00 Top of small spur, 20 ft. above cor., projects E.  
Descend.
- 11.50 Bottom of short draw, 45 ft. below spur, drains E.  
Ascend.
- 16.50 Spur, 25 ft. above draw, projects NE. Descend.
- 22.60 Bottom of draw, 65 ft. below spur, drains  $N.80^{\circ}E.$   
Ascend.
- 38.45 Small spur, 65 ft. above draw, projects E. Descend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$\frac{1}{4}$ S 22	S 23
1915	

  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- 53.80 Bottom of draw, 5 ft. below  $\frac{1}{4}$  sec. cor., drains E.  
Ascend.
- 68.50 Top of spur, 55 ft. above draw, projects E.  
Descend.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap marked

SUBDIVISION OF T. 29 S., R. 2 E.

Chains



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 30 ft. below spur.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber.

Undergrowth, black sage, yellow brush and grass.

N.  $89^{\circ}55'E.$ , on a random line bet. secs. 14 and 23.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.62 Intersect N. and S. line  $6\frac{1}{2}$  lks. N. of the cor. of secs.  
13, 14, 23 and 24.

Thence

S.  $89^{\circ}58'W.$ , on a true line bet. secs. 14 and 23,  
Ascending over rolling land covered with yellow brush.

1.00 Old road, from Loa to Antelope Spring, bears NE. and SW.

39.81 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. 70 ft. above sec. cor.

79.62 The cor. of secs. 14, 15, 22 and 23, 90 ft. above  $\frac{1}{4}$  sec.  
cor.

Land, rolling, sloping E.

Soil, rocky, clay loam.

No timber.

Undergrowth, yellow brush and grass.

June 17, 1915.

Chains

June 19, 1915: At 9h 1m a.m., l.m.t., I set off  $38^{\circ}17'$  N. on the lat. arc;  $23^{\circ}26'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23.

Thence

N.  $0^{\circ}01'$  W., bet. secs. 14 and 15,

Over rolling hills and across canyon covered with sagebrush. Descend.

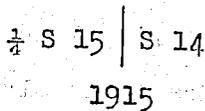
15.80 Bottom of draw, 70 ft. below cor., drains N.  $80^{\circ}$  E. from S.  $60^{\circ}$  W. Ascend.

16.40 Old road, bears N.  $80^{\circ}$  E. and S.  $60^{\circ}$  W.

28.10 Top of ridge, 55 ft. above draw, bears E. and W. Descend.

35.50 Bottom of draw, 70 ft. below ridge, drains N.  $50^{\circ}$  E. from S.  $60^{\circ}$  W. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked:



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

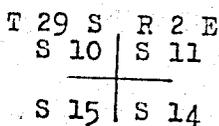
43.50 Top of spur, level with  $\frac{1}{4}$  sec. cor., projects E. from S.  $70^{\circ}$  W. Descend.

47.40 Edge of canyon, 25 ft. below spur, bears N.  $30^{\circ}$  E. and S.  $70^{\circ}$  W.

65.48 Bottom of rocky canyon, 380 ft. below edge; drains N.  $80^{\circ}$  E. from S.  $15^{\circ}$  W. Ascend.

80.00 Edge of canyon, 380 ft. above bottom, bears N.  $70^{\circ}$  E. and S.  $40^{\circ}$  W.

Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, with mound of stone around post, for cor. of secs. 10, 11, 14 and 15, with brass cap marked



1915

Chains

from which

A pine 10 ins. diam. bears S.14°30'W., 6 lks.  
dist., marked T 29 S R 2 E S 15 B T.

A pine 6 ins. diam. bears N.45°32'E., 50 lks.  
dist., marked T 29 S R 2 E S 11 B T.

No other trees available; raise a mound of stone, 2 ft.  
base, 1½ ft. high, W. of cor.

Land, rolling hills and deep canyon.

Soil, rocky, clay loam.

Timber, scattering pinon pine and scrub cedar on N.

33.00 chs.

Undergrowth, sagebrush and grass.

June 19, 1915: At this cor. I set off 23°26'N. on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is 38°18'N.

N.89°58'E., on a random line bet. secs. 11 and 14.

40.00 Set temp. ¼ sec. cor.

79.62 Intersect N. and S. line 2 lks. N. of the cor. of secs.  
11, 12, 13 and 14.

Thence

S.89°59'W., on a true line bet. secs. 11 and 14,  
Over rough cliffs, along N. side of canyon, through  
scattering pines and undergrowth of sagebrush.

Ascend.

10.42 Rocky spur, 170 ft. above cor., projects S.

Descend.

25.52 Gully, 120 ft. below spur, drains S.

Ascend.

32.92 Top of rocky spur, 110 ft. above gully; projects S.

Descend.

39.81 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins.  
in the ground, with mound of stone around post, for  
¼ sec. cor., with brass cap marked

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

S 11

$\frac{1}{4}$

S 14

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

N. of cor.

Cor. 155 ft. below spur.

41.32 Side gully, 80 ft. below  $\frac{1}{4}$  sec. cor., drains S.  
Ascend.

44.02 Sheer cliff, bears N. and S.

44.12 Rocky spur, 120 ft. above gully, projects S.  
Descend.

45.22 Side gully between cliffs, 90 ft. below spur, drains S.  
Ascend.

48.02 Rocky spur, 80 ft. above gully, projects S.  
Descend.

50.62 Point on side of canyon, 1 ch. N. at bottom of main  
canyon, 110 ft. below spur. Ascend.

59.22 Cliff 60 ft. high, bearing N. and S.

61.32 Rocky point, 220 ft. above point on side of canyon,  
projects S. Descend.

63.72 Side gully, 45 ft. below rocky point, drains S.  
Ascend.

79.62 The cor. of secs. 10, 11, 14 and 15, 215 ft. above gully.  
Land, rough cliffs.

Solid and loose rock throughout the mile.

Timber, pine.

Undergrowth, sagebrush.

June 19, 1915.

June 21, 1915: At 9h 1m a.m., l.m.t., I set off  $38^{\circ}18'$   
N. on the lat. arc;  $23^{\circ}27'$  N. on the decl. arc; and  
determine a meridian with the solar at the cor. of  
secs. 10, 11, 14 and 15.

Thence:

Chains

N.0°01'W., bet. secs. 10 and 11,

Over rolling hills, through scattering pines and  
undergrowth of sage and yellow brush.

.50 Main divide bears N.80°E. and S.80°W. Descend.

6.25 Bottom of shallow draw, 50 ft. below cor., drains  
N.50°E.

12.25 Rocky spur, level with draw, projects E.  
Descend.

14.75 Bottom of draw, 20 ft. below spur, drains E.

Ascend.

32.25 Top of spur, 60 ft. above draw, projects S.75°E.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 10 | S 11

1915

from which

A pine 8 ins. diam. bears N.48°05'W., 28 lks.  
dist., marked  $\frac{1}{4}$  S 10 B T.

A pine 8 ins. diam. bears N.80°55'E., 29 lks.  
dist., marked  $\frac{1}{4}$  S 11 B T.

Cor. stands in swale draining SE., 15 ft. below spur.

Ascend.

44.30 Top of rocky spur, 10 ft. above  $\frac{1}{4}$  sec. cor., projects E.  
Descend.

64.80 Bottom of draw, 115 ft. below spur, drains N.55°E.  
Ascend.

68.30 Top of spur, 10 ft. above draw, projects E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins.  
in the ground, with mound of stone around post, for  
cor. of secs. 2, 3, 10 and 11, with brass cap marked

T 29 S R 2 E

S 3 | S 2

S 10 | S 11

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

Chains

W. of cor. . . . .  
 Land, rolling mountainous.  
 Soil, rocky, clay loam.  
 Timber, pinon pine and cedar.  
 Undergrowth, sage and yellow brush.  
 June 21, 1915: At this cor. I set off  $23^{\circ}27'N.$  on the  
 decl. arc; and at apparent noon observe the sun on  
 the meridian; the resulting lat. is  $38^{\circ}19'N.$

- 40.00 N.  $89^{\circ}59'E.$ , on a random line bet. secs. 2 and 11.  
 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.56 Intersect N. and S. line 5 lks. S. of the cor. of secs.  
 1, 2, 11 and 12.  
 Thence  
 S.  $89^{\circ}57'W.$ , on a true line bet. secs. 2 and 11,  
 Over rolling, mountainous land, through pine timber  
 and undergrowth of sagebrush. Ascend.
- 7.21 Top of spur, 75 ft. above cor., projects N.  $55^{\circ}E.$   
 Descend.
- 14.11 Bottom of main draw, 45 ft. below spur, drains N.  $60^{\circ}E.$   
 Ascend.
- 28.76 Top of rocky spur, 100 ft. above draw, projects S.  
 Descend.
- 31.96 Bottom of main draw, 60 ft. below spur, drains S.  $50^{\circ}E.$   
 Ascend.
- 39.78 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins.  
 in the ground, with mound of stone around post, for  
 $\frac{1}{4}$  sec. cor., with brass cap marked  

$S\ 2$   


---

 $\frac{1}{4}$

 $S\ 11.$   
 1915  
 and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor.  
 Cor. 15 ft. above draw.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

41.46 Top of spur, 10 ft. above  $\frac{1}{4}$  sec. cor., projects N.15°E.  
Descend.

43.36 Bottom of main draw, 10 ft. below spur, drains N.65°E.  
Ascend.

53.16 Top of spur, 60 ft. above draw, projects S.20°E.  
Descend.

55.11 Bottom of side draw, 10 ft. below spur, drains S.20°E.  
Ascend.

63.56 Top of spur, 55 ft. above draw, projects S.30°E.  
Descend.

69.56 Swale, 15 ft. below spur, drains S.  
Ascend.

74.56 Top of spur, 10 ft. above swale, projects S.20°E.  
Descend.

76.16 Bottom of draw, 20 ft. below spur, drains S.30°E.  
Ascend.

79.56 The cor. of secs. 2, 3, 10 and 11, 20 ft. above draw.  
Land, rolling mountainous.  
Soil, rocky, clay loam.  
Timber, pine.  
Undergrowth, sagebrush and grass.

---

N.0°01'W., bet. secs. 2 and 3,

Descending over rolling hills covered with sage and yellow brush; scattering pines.

2.30 Bottom of draw, 15 ft. below cor., drains S.80°E.  
Ascend.

19.00 Point on E. side of knoll, 160 ft. above draw.  
Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., on solid rock  
in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass  
cap marked

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

$\frac{1}{4}$  S 3 | S 2  
1915

from which

A pine 10 ins. diam. bears S.6°04'W., 25 lks.

dist., marked  $\frac{1}{4}$  S 3 B T.

A pine 8 ins. diam. bears S.45°E., 63 lks.

dist., marked  $\frac{1}{4}$  S 2 B. T.

Cor. 25 ft. below point on knoll.

50.80 Bottom of draw, 60 ft. below  $\frac{1}{4}$  sec. cor., drains E.  
Ascend.

59.45 Top of spur, 15 ft. above draw, projects E.  
Descend.

78.10 Bottom of draw, 70 ft. below spur, drains N.70°E. from  
S.50°W. Ascend.

84.07 Intersect N. bdy. of Tp. 5.06 chs. W. of the cor. of  
secs. 34 and 35, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins.  
in the ground, for closing cor. of secs. 2 and 3,  
with brass cap marked

T 28 S		R 2 E
S 34		S 35
—		
dc		
S 3		S 2
T 29 S		R 2 E
1915		

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
S. of cor.

Cor. 20 ft. above draw.

Land, rolling hills.

Soil, rocky, clay loam.

Timber, pine.

Undergrowth, sage and yellow brush.

June 21, 1915.

*Edward W. Thompson*  
U. S. Transitman.

June 16, 1915: At 7 a.m., l.m.t., I set off 38°14'N.  
on the lat. arc; 23°21'N. on the decl. arc; and deter-

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

mine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., heretofore described.

Thence

N.0°02'W., bet. secs. 33 and 34,

Ascending over rolling, mountainous land, through dense, short undergrowth.

10.00 Old road, bears N.60°E. and S.60°W.

24.00 Top of ridge, bears S.70°E. and NW., 5 ft. above cor.  
Descend.

33.67 Bottom of draw, 50 ft. below ridge, drains N.60°E.  
Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 33 | S 34

1915

and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Cor. 15 ft. above draw.

42.00 Ridge, 5 ft. above  $\frac{1}{4}$  sec. cor., bears N.20°E. and S.20°W.  
Descend.

58.33 Bottom of draw, 80 ft. below ridge, drains N.60°E.  
Ascend.

58.50 Old road, from Loa to Antelope Spring, bears N.60°E. and S.60°W.

65.00 Top of ridge, 10 ft. above draw, bears NE. and S.50°W.

79.50 Spur, below ridge, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, with mound of stone around post, for cor. of secs. 27, 28, 33 and 34, with brass cap marked

T 29 S R 2 E  
S 28 | S 27

S 33 | S 34

1915

and raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

SUBDIVISION OF T. 29 S., R. 2 E.

Chairs

Cor. 25 ft. below ridge.

Land, rolling mountainous.

Soil, gravelly, volcanic formation, 1 to 2 ft. deep.

No timber.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

June 16, 1915: At this cor. I set off  $23^{\circ}21'N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ}15'N.$

$N.69^{\circ}58'E.$ , on a random line bet. secs. 27 and 34.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.93 Intersect N. and S. line 2 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence

$S.69^{\circ}57'W.$ , on a true line bet. secs. 27 and 34.

Ascending over rolling, mountainous land, through dense, short undergrowth.

9.50 Spur, 35 ft. above cor., bears N. and S.

Descend.

13.50 Draw, 40 ft. below spur, drains SE.

Ascend.

26.38 Top of spur of ridge, 70 ft. above draw, bears N. and S.

Descend.

31.48 Bottom of same draw, drains  $N.60^{\circ}E.$ , 20 ft. below spur.

Ascend.

38.18 Road from Lion to Antelope Spring, bears  $N.20^{\circ}E.$  and  $S.20^{\circ}W.$

39.04 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 27  
 $\frac{1}{4}$

S 34  
1915

and raise a mound of stone, 7 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Cor. 20 ft. above draw.

48.50 Top of ridge, 30 ft. above  $\frac{1}{4}$  sec. cor., bears NE. and SW.

Descend.

56.90 Bottom of draw, 10 ft. below ridge, drains N.50°E.

Ascend.

66.47 Top of ridge, 45 ft. above draw, bears NE., SW. and SE.

Descend.

76.54 Bottom of draw, 50 ft. below ridge, drains N.20°E.

Ascend.

79.50 Ridge, 20 ft. above draw, bears N.20°E. and SW.

79.93 The cor. of secs. 27, 28, 33 and 34.

Land, mountainous.

Soil, gravelly, on volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

N.0°02'W., bet. secs. 27 and 28,

Descending gradually over rolling, mountainous land,  
through dense, short undergrowth.

15.00 Bottom of draw, 40 ft. below cor., drains NE.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins.

in the ground, with mound of stone around post, for

$\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 28 | S 27

1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,

W. of cor.

Cor. 55 ft. above bottom of draw.

43.00 Top of rocky spur, of ridge, 5 ft. above  $\frac{1}{4}$  sec. cor.,

bears NE. and SW. Descend.

49.40 Bottom of draw, at foot of descent, 95 ft. below ridge,

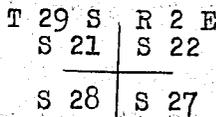
drains NE. Ascend.

30  
SUBDIVISION OF T. 29 S., R. 2 E.

Chains

72.00 Top of ridge, on W. slope; 80 ft. above draw; bears E. and W. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, with brass cap marked



1915

and raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Cor. stands in head of hollow, 55 ft. below ridge; hollow drains NE.

Land, mountainous.

Soil, rocky, volcanic formation, 1 to 2 ft. deep.

No timber.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

June 16, 1915.

June 17, 1915: At 7 a.m., l.m.t., I set off 38°16'N. on the lat. arc; 23°23'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28.

Thence

N.89°57'E., on a random line bet. secs. 22 and 27.

40.00 Set temp. ¼ sec. cor.

79.96 Intersect N. and S. line 2 lks. N. of the cor. of secs. 22, 23, 26 and 27.

Thence

S.89°58'W., on a true line bet. secs. 22 and 27, Ascending over rolling mountainous land, through dense, short undergrowth.

10.00 Ridge, 35 ft. above draw, bears N.70°E. and SW. Descend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

- 23.90 Bottom of draw, 15 ft. below ridge, drains N.10°W.  
Ascend.
- 30.00 Top of ridge, 40 ft. above draw, bears N. and S.  
Descend.
- 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
S 22  
 $\frac{1}{4}$   
S 27  
1915  
and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
N. of cor.  
Cor. 45 ft. below ridge.
- 40.20 Bottom of draw, 2 ft. below  $\frac{1}{4}$  sec. cor., drains N. 2 chs.,  
thence NE. Ascend.
- 71.30 Top of ridge, bears N. and S.30°W., 165 ft. above draw.  
Descend.
- 79.96 The cor. of secs. 21, 22, 27 and 28, in head of draw  
draining N.30°E., 30 ft. below ridge.  
Land, mountainous.  
Soil, gravelly, 1 to 3 ft. deep, volcanic formation.  
No timber.  
Undergrowth, sage and yellow brush, 1 ft. high.  
Good grass for grazing.  
June 17, 1915: At this cor. I set off 23°23'N. on the  
decl. arc; and at apparent noon observe the sun on the  
meridian; the resulting lat. is 38°16'N.

N.0°02'W., bet. secs. 21 and 22,

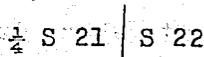
Ascending gradually over rolling, mountainous land,  
through dense, short undergrowth.

- 17.40 Top of rocky ridge, 35 ft. above cor., bears NE. and SW.  
Descend.
- 34.50 Bottom of draw, 125 ft. below ridge, drains E.  
Ascend.
- 36.60 Old road, bears E. and W.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



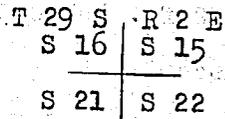
1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Cor. 40 ft. above draw.

60.95 Top of rocky ridge, 135 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, with brass cap marked



1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Cor. 150 ft. below ridge.

Land, rolling mountainous.

Soil, gravelly and rocky, 1 to 3 ft. deep, volcanic formation.

No timber.

Undergrowth, sage, yellow and bitter brush, averaging 1 ft. in height.

Good grass for grazing.

N.  $89^{\circ}58'E.$ , on a random line bet. secs. 15 and 22.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.90 Intersect N. and S. line 5 lks. N. of the cor. of secs. 14, 15, 22 and 23.

Thence

West, on a true line bet. secs. 15 and 22,

Ascending over rolling, mountainous land, through dense, short undergrowth.

6.00 Spur, 20 ft. above cor., bears N. and S.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Descend.

24.30

Bottom of draw, 50 ft. below ridge, drains NE.

Ascend.

32.00

Top of ridge, 20 ft. above draw, bears NE. and SW.

Descend.

39.95

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 15

$\frac{1}{4}$

S 22

1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,

N. of cor.

Cor. stands in draw draining NE., 35 ft. below ridge.

Ascend.

55.00

Top of ridge, 50 ft. above cor., bears NE. and S. 20° W.

Descend.

61.60

Bottom of draw, 10 ft. below ridge, drains N. 30° E.

Ascend.

68.00

Top of ridge, 20 ft. above draw, bears N. and S.

Descend.

71.50

Bottom of draw, 15 ft. below ridge, drains NE.

Ascend.

74.95

Top of ridge, 10 ft. above hollow, bears N. and S.

Descend.

79.90

The cor. of secs. 15, 16, 21 and 22, 2 ft. below ridge.

Land, mountainous.

Soil, gravelly, 1 to 2 ft. deep; subsoil, volcanic

formation.

No timber.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

June 17, 1915.

54  
SUBDIVISION OF T. 29 S., R. 2 E.

Chains	
	June 22, 1915: At 8h 2m a.m., l.m.t., I set off 38°17' N. on the lat. arc; 23°28' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 15, 16, 21 and 22.
	Thence
	N. 0°02' W., bet. secs. 15 and 16,
	Descending gradually over rolling, mountainous land, through dense, short undergrowth.
5.00	Bottom of draw, 20 ft. below ridge, drains N. 10° E. Ascend.
7.00	Top of spur, 5 ft. above draw, bears NE. and SW. Descend.
8.90	Bottom of draw, 20 ft. below ridge, drains E. Ascend.
9.30	Road, bears E. and W.
19.15	Top of ridge, 65 ft. above draw, bears E. and W. Descend.
29.10	Bottom of draw, 40 ft. below ridge, drains E. Ascend.
29.85	Old road, bears E. and W.
37.10	Top of ridge, 25 ft. above draw, bears E. and W. Descend.
40.00	Set an iron post, 3 ft. long; 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S. 16   S. 15 1915 and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, W. of cor. Cor. 20 ft. below ridge.
47.70	Enter scattering cedar and pinon pine timber.
52.90	Draw, 155 ft. below $\frac{1}{4}$ sec. cor., drains N. 80° E. Ascend.
61.70	Top of ridge, 80 ft. above draw, bears E. and W. Descend.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

in the ground, for cor. of secs. 9, 10, 15 and 16,  
with brass cap marked

T 29 S	R 2 E
S 9	S 10
S 16	S 15

1915

from which

A cedar 12 ins. diam. bears N.28°E., 55 lks.

dist., marked T 29 S R 2 E S 10 B T.

A pinon pine 10 ins. diam. bears S.15°E., 146 lks.

dist., marked T 29 S R 2 E S 15 B T.

A pinon pine 24 ins. diam. bears S.5°45'W., 108

lks. dist., marked T 29 S R 2 E S 16 B T.

A cedar 26 ins. diam. bears N.52°W., 50 lks.

dist., marked T 29 S R 2 E S 9 B T.

Raise a mound of stone, 3 ft. base, 3 ft. high, W. of cor.

Cor. 405 ft. below ridge.

Land, rolling mountainous.

Soil, gravelly and rocky, volcanic stone, averaging 1  
to 3 ft. in depth.

Timber, cedar and pinon pine.

Undergrowth, sagebrush, yellow brush and bitter brush,  
averaging 1 ft. in height.

Good grass for grazing.

June 22, 1915: At this cor. I set off 23°27'N. on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is 38°17'N.

East, on a random line bet. secs. 10 and 15.

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

79.88 Intersect N. and S. line 2 lks. N. of the cor. of secs.  
10, 11, 14 and 15.

Thence

N.89°59'W., on a true line bet. secs. 10 and 15,

Ascending over rolling, mountainous land, through scat-  
tering cedar and pinon pine timber, and dense under-  
growth.

Chains	
1.50	Top of spur, 5 ft. above cor., bears NE. and SW. Descend.
8.10	Bottom of draw, 25 ft. below ridge, drains NE. Ascend.
21.50	Top of ridge, 65 ft. above draw, bears NW. and SE.
24.30	Descend abruptly along steep south slope, bearing NW. and SE.
39.94	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center; margin-left: 100px;">           S 10  <math>\frac{1}{4}</math>  <hr style="width: 50px; margin: 0 auto;"/>           S 15            1915         </div> from which A cedar 8 ins. diam. bears S.70°W., 115 lks. dist., marked $\frac{1}{2}$ S 15 B T. No other bearing trees within limits; raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$ ft. high, N. of cor.
41.30	Bottom of canyon, 410 ft. below ridge, drains S.50°E. Ascend.
52.40	Top of ridge, 125 ft. above canyon, bears N. and S. Descend.
59.20	Bottom of draw, 55 ft. below ridge, drains N. about 2 $\frac{1}{2}$ chs. S. of bottom of canyon. Ascend.
66.00	Top of ridge, 35 ft. above draw, bears N. and S. Descend.
72.95	Bottom of canyon, 90 ft. below ridge, drains N.70°E. Ascend.
76.00	Top of spur of ridge, 35 ft. above canyon, bears N. and S. Descend.
78.28	Bottom of same canyon, 30 ft. below spur, drains S.80°E. Ascend.
79.88	The cor. of secs. 9, 10, 15 and 16, 5 ft. above canyon. Land, rolling mountainous. Soil, rocky, volcanic formation, 1 to 2 ft. deep. Timber, cedar, pinon pine and yellow pine. Undergrowth, sagebrush, yellow brush and rabbit brush. Good grass (bunch grass).

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

N.0°02'W., bet. secs. 9 and 10,

Ascending abruptly over rolling, mountainous land,  
through scattering cedar, pinon pine and yellow pine  
timber, and dense, short undergrowth.

.80 Bottom of canyon, 10 ft. below cor., drains S.80°E.  
Ascend abruptly.

4.00 Top of rocky ledges, bear E. and W.

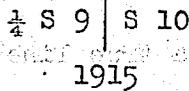
13.00 Top of ridge, 400 ft. above canyon, bears E. and W.  
Descend.

31.00 Bottom of draw, 95 ft. below ridge, drains SE.  
Ascend.

36.50 Old road, bears E. and N.70°W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

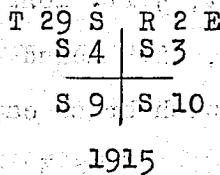
Cor. 45 ft. above bottom of draw.

50.00 Top of ridge, 20 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W.  
Descend.

72.00 Old road, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.

in the ground, for cor. of secs. 3, 4, 9 and 10, with  
brass cap marked



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 120 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, 1 to 2 ft. deep; volcanic stone.

Timber, cedar, pinon pine and yellow pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

height.

Good grass for grazing.

June 22, 1915.

June 24, 1915: At 7h 2m a.m., l.m.t., I set off 38°18' N. on the lat. arc; 23°27' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 9 and 10.

Thence

S.89°59'E., on a random line bet. secs. 3 and 10.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.99 Intersect N. and S. line 7 lks. N. of the cor. of secs. 2, 3, 10 and 11.

Thence

N.89°56'W., on a true line bet. secs. 3 and 10,

Ascending over rolling, mountainous land, through dense, short undergrowth.

5.00 Ridge, 33 ft. above cor., projects N. Descend.

17.10 Bottom of draw, 7 ft. below spur, drains N.20°E. Ascend.

28.30 Top of spur, 66 ft. above draw, projects S. Descend.

35.60 Bottom of draw, 40 ft. below spur, drains S.30°E. Ascend.

39.99 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor.; with brass cap marked

S 3

$\frac{1}{4}$

S 10

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

52.20 End of spur, 7 ft. above  $\frac{1}{4}$  sec. cor., bears N. and S. Descend.

55.30 Bottom of draw, 5 ft. below spur, drains NE.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Ascend.

79.99 The cor. of secs. 3, 4, 9 and 10, 85 ft. above bottom of draw.

Land, rolling mountainous.

Soil, gravelly, volcanic formation, 1 to 3 ft. deep.

No timber.

Undergrowth, sagebrush, yellow brush and bitter brush, averaging 1 ft. in height.

Good grass for grazing.

June 24, 1915: At this cor. I set off  $23^{\circ}26'N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ}18'N.$

$N.0^{\circ}02'W.$ , bet. secs. 3 and 4,

Descending over rolling, mountainous land, through dense, short undergrowth.

5.80 Draw, 50 ft. below cor., drains  $N.70^{\circ}E.$

Ascend.

20.30 Rocky spur, 55 ft. above draw, bears E. and W.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4} S 4 | S 3$

1915

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

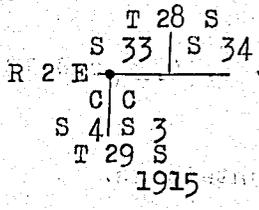
Cor. stands in bottom of draw draining SE., 40 ft. below spur. Ascend.

83.93 Intersect N. bdy. of Tp. 505 lks. W. of the cor. of secs. 33 and 34, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 3 and 4, with brass cap marked

SUBDIVISION OF T. 29 S., R. 2 E.

Chains



and raise a mound of stone, 3 ft. base, 2½ ft. high, S. of cor.

Cor. 115 ft. above bottom of draw.

Land, rolling mountainous.

Soil, gravelly and rocky, 1 to 3 ft. deep; volcanic stone.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass.

June 24, 1915.

June 18, 1915: At 7h 1m a.m., l.m.t., I set off 38°14'N. on the lat. arc; 23°25'N. on the decl. arc; and determine a meridian with the solar at the cor. of sections 32 and 33, on the S. bdy. of the Tp., heretofore described.

Thence

N.0°03'W., bet. secs. 32 and 33,

Descending over rolling, mountainous land, through dense, short undergrowth.

4.80 Road in bottom of draw, 15 ft. below cor., bears N.80°E. and S.80°W. Draw drains S.80°W. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam.; 26 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S 32 | S 33 1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. stands on top of ridge bearing NE. and SW., 60 ft. above draw.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Descend.

58.00 Bottom of draw, 3 ft. below  $\frac{1}{4}$  sec. cor., drains W.

Ascend.

66.00 Top of ridge, 15 ft. above draw, bears NE. and W.

Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with brass cap marked

T 29 S	R 2 E
S 29	S 28
S 32	S 33

1915

and raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Cor. 20 ft. below ridge.

Land, mountainous.

Soil, rocky, 1 to 2 ft. deep, on volcanic rock.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

June 18, 1915: At this cor. I set off  $23^{\circ}24'N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ}15'N.$

$N.89^{\circ}58'E.$ , on a random line bet. secs. 28 and 33.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.92 Intersect N. and S. line 2 lks. N. of the cor. of secs. 27, 28, 33 and 34.

Thence

$S.89^{\circ}59'W.$ , on a true line bet. secs. 28 and 33,

Descending over rolling, mountainous land, through dense, short undergrowth.

2.60 Bottom of draw, 15 ft. below cor., drains N.

Ascend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

23.30 Top of ridge, 200 ft. above draw, bears N. and S.  
Descend.

35.90 Bottom of draw, 55 ft. below ridge, drains N.30°E.  
Ascend.

39.96 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for 1/4 sec. cor., with brass cap marked

S 28

1/4

S 33  
1915

and raise a mound of stone, 3 ft. base, 2 ft. high,  
N. of cor.

Cor. 15 ft. above draw.

49.87 Top of ridge, 40 ft. above cor., bears N. and S.  
Descend.

58.00 Bottom of draw, 15 ft. below ridge, drains N.30°E.  
Ascend.

63.00 Top of ridge, 5 ft. above draw, bears N.70°E. and S.  
70°W. Descend.

79.92 The cor. of secs. 28, 29, 32 and 33, 45 ft. below ridge.  
Land, mountainous.

Soil, rocky, 1 to 2 ft. deep, on volcanic stone.

No timber.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

N.0°03'W., bet. secs. 28 and 29,

Descending over rolling, mountainous land, through  
dense, short undergrowth.

20.00 Bottom of draw, 20 ft. below cor., drains SW.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 29 | S 28

1915

and raise a mound of stone, 3 ft. base, 2 ft. high,

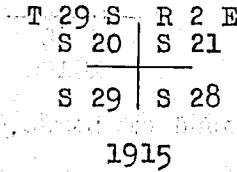
Chains

W. of cor. 20 ft. above draw.

66.60 Top of ridge, 30 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W.  
Descend.

75.00 Bottom of draw, 40 ft. below ridge, drains E.  
Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, with mound of stone around post, for cor. of secs. 20, 21, 28 and 29, with brass cap marked



and raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Cor. 45 ft. above draw.

Land, mountainous.

Soil, gravelly and rocky, 1 to 2 ft. deep; volcanic formation.

No timber.

Undergrowth, sage and yellow brush, 1 ft. high.

Good grass for grazing.

June 18, 1915.

June 19, 1915: At 8 a.m., l.m.t., I set off  $38^{\circ}16'N$ .

on the lat. arc;  $23^{\circ}26'N$ . on the decl. arc; and determine a meridian with the solar at the cor. of secs.

20, 21, 28 and 29.

Thence

N.  $89^{\circ}59'E$ ., on a random line bet. secs. 21 and 28.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.04 Intersect N. and S. line 2 lks. S. of the cor. of secs. 21, 22, 27 and 28.

Thence

S.  $89^{\circ}58'W$ ., on a true line bet. secs. 21 and 28,

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Ascending over rolling, mountainous land, through dense, short undergrowth.

9.05 Top of ridge, 60 ft. above cor., bears N.30°E. and S.  
Descend abruptly.

16.09 Bottom of draw at foot of descent, 90 ft. below top of  
ridge, drains N. Ascend.

40.02 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 21  
 $\frac{1}{4}$   
S 28  
1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,  
N. of cor.

Cor. stands on top of ridge bearing N. and S., 220 ft.  
above draw. Descend.

64.80 Bottom of draw, 140 ft. below ridge, drains N.30°E.  
Ascend.

80.04 The cor. of secs. 20, 21, 28 and 29, 125 ft. above draw.  
Land, mountainous.

Soil, gravelly and rocky, volcanic stone, 1 to 2 ft.  
deep.

No timber.

Undergrowth, sagebrush, bitter brush and yellow brush,  
1 ft. high.

Good grass for grazing.

June 19, 1915: At this cor. I set off 23°26'N. on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is 38°16'N.

N.0°03'W., bet. secs. 20 and 21,

Ascending gradually over rolling, mountainous land,  
through dense, short undergrowth.

3.80 Top of ridge, 15 ft. above cor., bears E. and W.  
Descend.

9.10 Bottom of draw, 30 ft. below ridge, drains NE.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

- Ascend.
- 13.00 Top of ridge, 5 ft. above draw, bears  $S.70^{\circ}W.$  and E.
- Descend.
- 19.20 Bottom of draw, 65 ft. below ridge, drains  $N.60^{\circ}E.$
- Ascend.
- 25.50 Top of ridge, 30 ft. above draw, bears E. and W.
- Descend.
- 31.30 Bottom of draw, 30 ft. below ridge, drains E.
- Ascend.
- 37.00 Top of ridge, 35 ft. above draw, bears E. and W.
- Descend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- |                    |      |
|--------------------|------|
| $\frac{1}{4}$ S 20 | S 21 |
| 1915               |      |
- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.
- Cor. 5 ft. below ridge.
- 51.75 Bottom of draw, 10 ft. below  $\frac{1}{4}$  sec. cor., drains E.
- Ascend.
- 55.00 Top of ridge, 15 ft. above draw, bears E. and  $N.60^{\circ}W.$
- Descend.
- 62.50 Bottom of draw, 35 ft. below ridge, drains E.
- Ascend.
- 63.20 Old road, bears  $S.80^{\circ}E.$  and  $N.60^{\circ}W.$
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, with mound of stone around post, for cor. of secs. 16, 17, 20 and 21, with brass cap marked
- |              |      |
|--------------|------|
| T 29 S R 2 E |      |
| S 17         | S 16 |
| S 20         | S 21 |
| 1915         |      |
- and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.
- Cor. 70 ft. above draw.
- Land, rolling mountainous.

40  
SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Soil, gravelly, volcanic formation, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

N.89°58'E., on a random line bet. secs. 16 and 21.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect N. and S. line 5 lks. N. of the cor. of secs. 15, 16, 21 and 22.

Thence

West, on a true line bet. secs. 16 and 21,

Descending gradually over rolling, mountainous land, through dense, short undergrowth.

2.20 Bottom of draw, 3 ft. below cor., drains N.20°E. Ascend.

8.20 Top of ridge, 20 ft. above draw, bears N.30°E. and S.30°W. Descend.

11.60 Bottom of draw, 4 ft. below ridge, drains N. Ascend.

14.30 Top of ridge, 3 ft. above draw, bears N. and S. Descend.

18.50 Bottom of draw, 4 ft. below ridge, drains N. Ascend.

30.20 Top of ridge, 65 ft. above draw, bears N. and S. Descend.

34.20 Bottom of draw, 10 ft. below ridge, drains N.10°E. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 16

$\frac{1}{4}$

S 21

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Cor. 20 ft. above draw.

44.00 Top of ridge, 5 ft. above  $\frac{1}{4}$  sec. cor., bears N. and S.  
Descend.

48.60 Bottom of draw, 5 ft. below ridge, drains N.10°E.  
Ascend.

54.00 Top of ridge, 20 ft. above draw, bears N. and S.  
Descend.

58.40 Bottom of draw, 10 ft. below ridge, drains N.10°E.  
Ascend.

65.00 Top of ridge, 30 ft. above draw, bears N. and S.  
Descend.

72.80 Bottom of draw, 10 ft. below ridge, drains N.20°E.  
Ascend.

78.40 Top of ridge, 20 ft. above draw, bears N.30°W. and S.  
30°E. Descend.

80.00 The cor. of secs. 16, 17, 20 and 21, 2 ft. below ridge.  
Land, rolling mountainous.  
Soil, gravelly, volcanic formation, 1 to 3 ft. deep.  
No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height. Good grass for grazing.

June 19, 1915.

June 23, 1915: At 7h 2m a.m., l.m.t., I set off 38°17'  
N. on the lat. arc; 23°28'N. on the decl. arc; and  
determine a meridian with the solar at the cor. of  
secs. 16, 17, 20 and 21.

Thence

N.0°03'W., bet. secs. 16 and 17,

Ascending gradually over rolling, mountainous land,  
through dense, short undergrowth.

5.00 Top of ridge, 10 ft. above cor., bears N.20°W. and SE.  
Descend.

18.20 Bottom of draw, 45 ft. below ridge, drains E. Ascend.

27.50 Top of ridge, 15 ft. above draw, bears E. and W.  
Descend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 17	S 16
1915	

and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

Cor. 30 ft. below ridge.

44.20 Head of draw, 15 ft. below  $\frac{1}{4}$  sec. cor., drains S.60°E. Ascend.

50.80 Old road on top of ridge; ridge bears S.70°E. and N.70° W., 25 ft. above draw; road bears NE. and SW. Descend.

54.00 Enter scattering pinon pine timber, bearing E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, with mound of stone around post, for cor. of secs. 8, 9, 16 and 17, with brass cap marked

T 29 S	R 2 E
S 8	S 9
S 17	S 16

1915

from which

A pinon pine 12 ins. diam. bears S.77°30'W., 64 lks. dist., marked T 29 S R 2 E S 17 B T.

A pinon pine 12 ins. diam. bears N.35°W., 21 lks. dist., marked T 29 S R 2 E S 8 B T.

No other trees within limits; raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 160 ft. below ridge.

Land, rolling mountainous.

Soil, gravelly and rocky, 1 to 3 ft. deep, volcanic formation.

Timber, pinon pine.

Undergrowth, sage, yellow brush and bitter brush, averaging 1 ft. in height. Good grass.

June 23, 1915: At this cor. I set off 23°27'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°17'N.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains	<p>East, on a random line bet. secs. 9 and 16.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 14 lks. S. of the cor. of secs. 9, 10, 15 and 16.
	Thence
	S. $89^{\circ}54'W.$ , on a true line bet. secs. 9 and 16, Ascending over rolling, mountainous land, through scattering cedar and pinon pine timber, and dense, short undergrowth.
11.70	Top of ridge, 135 ft. above cor., bears N. and S. Descend.
19.10	Bottom of draw, 80 ft. below ridge, drains N. Ascend.
20.50	Top of west side of draw, drains N.
27.70	Top of spur, 55 ft. above bottom of draw, bears N. and S. Descend.
34.20	Bottom of main canyon, 15 ft. below spur, about 2.00 chs. north. Ascend.
39.95	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 9 \\ \frac{1}{4} \\ \hline S\ 16 \\ 1915 \end{array}$
	from which
	A pinon pine 24 ins. diam. bears $S.20^{\circ}30'E.$ , 32 lks. dist., marked $\frac{1}{4}$ S 16 B T.
	A pinon pine 12 ins. diam. bears $N.50^{\circ}15'W.$ , 102 lks. dist., marked $\frac{1}{4}$ S 9 B T.
	and raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.
	Cor. 35 ft. above canyon.
44.90	Top of ridge, 85 ft. above $\frac{1}{4}$ sec. cor., bears N. and S. Descend.
50.50	Bottom of draw, 35 ft. below ridge, drains $N.30^{\circ}E.$ Ascend.
64.90	Top of ridge, 300 ft. above draw, bears NE. and SW.

Chains

Descend.

76.95

Draw, 50 ft. below ridge, drains N.

Ascend.

79.90

The cor. of secs. 8, 9, 16 and 17, 35 ft. above draw.

Land, rolling mountainous.

Soil, gravelly, volcanic stone, 1 to 3 ft. deep.

Timber, cedar and pinon pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

N.0°03'W., bet. secs. 8 and 9,

Descending abruptly, over rolling, mountainous land,

through dense, short undergrowth and scattering

pinon pine timber.

7.30

Bottom of draw, 150 ft. below cor., drains N.80°E.

Ascend.

13.60

Top of ridge, 190 ft. above draw, bears E. and W.

Descend.

22.95

Bottom of gully in draw, 130 ft. below ridge, drains

N.70°E. Ascend.

31.10

Top of ridge, 60 ft. above draw, bears E. and W.

Descend.

38.50

Bottom of canyon, 175 ft. below ridge, drains E.

Ascend.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 14 ins.

in the ground, with mound of stone around post, for

$\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 8 | S 9

1915

and raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high,

W. of cor.

Cor. 20 ft. above canyon.

44.20

Top of abrupt ledges, bears E. and W.

67.00

Leave pinon pine timber, bearing NW. and SE.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

.75.80 Top of ridge, 405 ft. above bottom of canyon, bears E. and NW.; enter pinon pine timber, bearing E. and W. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground, with mound of stone around post, for cor. of secs. 4, 5, 8 and 9, with brass cap marked

T 29 S	R 2 E
S 5	S 4
S 8	S 9

1915

from which

A pinon pine 12 ins. diam. bears N.39°E., 179 lks. dist., marked T 29 S R 2 E S 4 B T.

A pinon pine 16 ins. diam. bears S.29°15'E., 32 lks. dist., marked T 29 S R 2 E S 9 B T.

A pinon pine 8 ins. diam. bears S.80°W., 60 lks. dist., marked T 29 S R 2 E S 8 B T.

A pinon pine 18 ins. diam. bears N.49°30'W., 237 lks. dist., marked T 29 S R 2 E S 5 B T.

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravelly, volcanic stone.

Timber, pinon pine.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

June 23, 1915.

June 24, 1915:

N.89°54'E., on a random line bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. c.or.

80.02 Intersect N. and S. line 2 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence

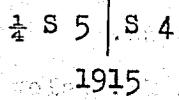
SUBDIVISION OF T. 29 S., R. 2 E.

Chains	<p>S.89°55'W., on a true line bet. secs. 4 and 9,          Ascending over rolling, mountainous land, through          dense, short undergrowth.</p>
4.80	<p>Top of rocky spur, 10 ft. above cor., bears N. and S.          Descend.</p>
8.35	<p>Bottom of draw, 35 ft. below spur; drains N.          Ascend.</p>
19.30	<p>Top of spur, 40 ft. above draw, bears N. and S.          Descend.</p>
24.70	<p>Bottom of draw, 15 ft. below spur, drains NE.          Ascend.</p>
40.01	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.          in the ground, for <math>\frac{1}{4}</math> sec. cor., with brass cap marked</p>
	<p>S 4  <math>\frac{1}{4}</math></p>
	<p>S.9          1915</p>
	<p>and raise a mound of stone, 3 ft. base, 2<math>\frac{1}{2}</math> ft. high,          N. of cor.</p>
	<p>Cor. 40 ft. above draw.</p>
60.00	<p>Enter scattering pinon pine timber, bearing NW. and S.</p>
80.02	<p>The cor. of secs. 4, 5, 8 and 9, 150 ft. above <math>\frac{1}{4}</math> sec.          cor.</p>
	<p>Land, rolling mountainous.</p>
	<p>Soil, gravelly, volcanic formation, 1 to 2 ft. deep.</p>
	<p>Timber, pinon pine.</p>
	<p>Undergrowth, sagebrush, bitter brush and yellow brush,          averaging 1 ft. in height.</p>
	<p>Good grass for grazing.</p>
<hr/>	
	<p>N.0°03'W. bet. secs. 4 and 5,          Descending abruptly over rolling, mountainous land,          through scattering pinon pine timber, and dense, short          undergrowth.</p>
8.70	<p>Bottom of abrupt descent, bears E. and NW.; leave timber,          bearing same.</p>

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

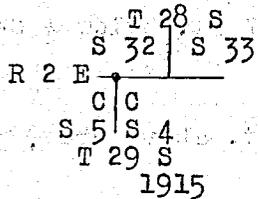


and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

55.00 Bottom of draw drains S.50°E., 90 ft. below  $\frac{1}{4}$  sec. cor.

84.05 Intersect N. bdy. of Tp. 517 lks. W. of the cor. of secs. 32 and 33, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 4 and 5, with brass cap marked



and raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, S. of cor. Cor. 2 ft. below ridge.

Land, rolling mountainous.  
Soil, clay and gravelly loam.  
Undergrowth, sagebrush.  
Timber, cedar and pinon pine.  
Good grass for grazing.

June 24, 1915.  
*Scott A. Stewart*  
U. S. Surveyor.

June 22, 1915: At 9h 2m a.m., l.m.t., I set off 38°15' N. on the lat. arc; 23°27' N. on the decl. arc; and determine a meridian with the solar at the cor. of sections 31 and 32, on the S. bdy. of the Tp., heretofore described.

-34-  
SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Thence N.0°03'W., bet. secs. 31 and 32,  
Over rolling land, through undergrowth of sagebrush  
and grass. Descend.

9.89 Bottom of draw, 33 ft. below cor., drains W.  
Ascend.

39.97 Top of ridge, 37 ft. above draw, bears N.60°W. and S.  
60°E. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

S 31	S 32
1915	

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

63.38 Bottom of draw, 57 ft. below  $\frac{1}{4}$  sec. cor., drains N.30°W.  
Ascend.

70.87 Top of spur, 33 ft. above draw, projects S.60°E.  
Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, in a mound of stone; for cor. of secs.  
29, 30, 31 and 32, with brass cap marked

T 29 S	R 2 E
S 30	S 29
S 31	S 32
1915	

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 11 ft. below spur.

Land, rolling.

Soil, gravel and clay loam.

No timber.

Undergrowth; sagebrush and grass.

June 22, 1915: At this cor. I set off 23°27'N. on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is 38°15'N.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

N. 89° 58' E., on a random line bet. secs. 29 and 32.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.96 Intersect N. and S. line 5 lks. N. of the cor. of secs.  
28, 29, 32 and 33.

Thence

West, on a true line bet. secs. 29 and 32,  
Over rolling sagebrush flat. Descend.

14.40 Bottom of swale, 30 ft. below cor., drains SW.  
Ascend.

28.89 Top of spur, 26 ft. above swale, bears NE. and SW.  
Descend.

39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins..  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 29  
 $\frac{1}{4}$

-----  
S 32  
1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
N. of cor.

59.99 Bottom of swale, 73 ft. below top of spur, drains SW.  
Ascend.

70.49 Top of spur, 9 ft. above draw, projects S.  
Descend.

78.27 Bottom of draw, 36 ft. below spur, drains S.  
Ascend.

79.96 The cor. of secs. 29, 30, 31 and 32, 5 ft. above draw.  
Land, rolling.  
Soil, gravel and clay loam.  
No timber.  
Undergrowth, sagebrush and grass.

S. 89° 58' W., on a random line bet. secs. 30 and 31.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.36 Intersect W. bdy. of Tp. 2 lks. S. of the cor. of secs.  
25, 30, 31 and 36, heretofore described.

Thence

-SUBDIVISION OF T. 29 S., R. 2 E.

Chains

N.89°59'E., on a true line bet. secs. 30 and 31,  
Descending over rolling land; through undergrowth of  
sagebrush.

6.88 Bottom of draw, 80 ft. above cor., drains SW.

Ascend.

13.71 Top of ridge, 61 ft. above draw, bears N. and S.

Descend.

23.35 Bottom of draw; 45 ft. below ridge, drains N.10°W.

Ascend.

35.46 Top of ridge, 114 ft. above draw, bears N. and S.

Descend.

39.36 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 30

$\frac{1}{4}$

S 31

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. 1 ft. below top of ridge.

64.59 Bottom of draw, 39 ft. below  $\frac{1}{4}$  sec. cor., drains S.85°W.

Ascend.

72.26 Top of ridge, 36 ft. above draw, bears S. and N.75°W.

Descend.

79.36 The cor. of secs. 29, 30, 31 and 32, 9 ft. below top  
of ridge.

Land, rolling, mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush and grass.

N.0°03'W., bet. secs. 29 and 30;

Ascending over rolling land; through undergrowth of  
sagebrush and grass.

10.00 Top of spur, 10 ft. above cor., projects E.

Descend.

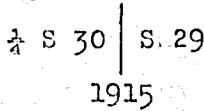
SUBDIVISION OF T. 29 S., R. 2 E.

Chains

15.00 Bottom of draw, 10 ft. below spur, drains SE. Ascend.

34.99 Top of spur, 43 ft. above draw, projects N.75°W.  
Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



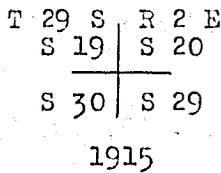
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
W. of cor.

45.00 Small swale, 10 ft. below top of spur, drains N.75°W.  
Ascend.

55.00 Top of small spur, 9 ft. above swale, projects N.85°W.  
Descend.

65.00 Swale, 4 ft. below spur, drains W. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 19, 20, 29 and 30,  
with brass cap marked



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 7 ft. above swale.

Land, rolling.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush and grass.

June 22, 1915.

June 23, 1915: For solar obsn. see line bet. secs. 19  
and 30.

East, on a random line bet. secs. 20 and 29.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.94 Intersect N. and S. line 5 lks. S. of the cor. of secs.  
20, 21, 28 and 29.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Thence  
 S.89°58'W., on a true line bet. secs. 20 and 29,  
 Ascending over rolling mountainous land, through  
 undergrowth of sagebrush and grass.

12.00 Top of ridge, 30 ft. above cor., bears NE. and SW.  
 Descend.

30.00 Bottom of draw, 70 ft. below ridge, drains S.  
 Ascend.

39.97 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins.  
 in the ground, with mound of stone around post, for  
 $\frac{1}{4}$  sec. cor., with brass cap marked

S 20

$\frac{1}{4}$

S 29

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 N. of cor.

Cor. 60 ft. above draw.

45.20 Top of ridge, 30 ft. above  $\frac{1}{4}$  sec. cor., bears N. and S.  
 Descend.

79.94 The cor. of secs. 19, 20, 29 and 30, 140 ft. below ridge.  
 Land, rolling mountainous.  
 Soil, gravel and clay loam.  
 No timber.  
 Undergrowth, sagebrush and grass.

June 23, 1915: At 9h 2m a.m., l.m.t., I set off 38°16'N.  
 on the lat. arc; 23°27'N. on the decl. arc; and deter-  
 mine a meridian with the solar at the cor. of secs.  
 19, 20, 29 and 30.

Thence

S.89°59'W., on a random line bet. secs. 19 and 30.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.26 Intersect W. bdy. of Tp. 2 lks. S. of the cor. of secs.  
 19, 24, 25 and 30, heretofore described.

Thence

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

East, on a true line bet. secs. 19 and 30,  
Over rolling land, through undergrowth of sagebrush  
and grass. Descend.

14.26 Bottom of swale, 10 ft. below cor., drains S.80°E.  
Ascend.

24.26 Top of ridge, 5 ft. above swale, bears N.75°W. and  
S.80°E. Descend.

39.26 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 19  
 $\frac{1}{4}$

S 30  
1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

54.26 Bottom of small swale, 10 ft. below ridge, drains SE.  
Ascend.

79.26 The cor. of secs. 19, 20, 29 and 30, 7 ft. above swale.  
Land, rolling.  
Soil, gravelly clay loam.

No timber.

Undergrowth, sagebrush and grass.

June 23, 1915: At this cor. I set off 23°27'N. on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is 38°16'N.

N.0°03'W., bet. secs. 19 and 20,

Descending over rolling land, through undergrowth of  
sagebrush and grass; soil, gravelly loam.

11.80 Bottom of swale, 7 ft. below cor., drains S.80°W.  
Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins.  
in the ground, with mound of stone around post, for  
 $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 19 | S 20

1915

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

65.00 Top of ridge, 90 ft. above swale, bears E. and W.  
Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins.  
in the ground, with mound of stone around post, for  
cor. of secs. 17, 18, 19 and 20, with brass cap marked

T 29 S	R 2 E
S 18	S 17
S 19	S 20

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 20 ft. below ridge.

Land, rolling mountainous.

Soil, gravelly clay loam.

No timber.

Undergrowth, sagebrush and grass.

June 23, 1915.

June 24, 1915: For solar observation see line between  
secs. 18 and 19.

N.  $89^{\circ}58'E.$ , on a random line bet. secs. 17 and 20.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.97 Intersect N. and S. line 7 lks. N. of the cor. of secs.  
16, 17, 20 and 21.

Thence

N.  $89^{\circ}59'W.$ , on a true line bet. secs. 17 and 20,  
Descending over rolling, mountainous land, through  
undergrowth of sagebrush and grass.

15.78 Bottom of draw, 35 ft. below cor., drains SE.  
Ascend.

22.27 Top of ridge, 30 ft. above draw, bears N.  $20^{\circ}W.$  and  
S.  $20^{\circ}E.$  Descend.

39.98 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 17

$\frac{1}{4}$

S 20

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. in bottom of swale draining S.  $30^{\circ}$  E., 80 ft. below  
ridge. Ascend.

69.97 Top of ridge, 20 ft. above  $\frac{1}{4}$  sec. cor., bears N. and S.  
Descend.

79.97 The cor. of secs. 17, 18, 19 and 20, 5 ft. below ridge.  
Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush and grass.

June 24, 1915: At 9h 2m a.m., l.m.t., I set off  $38^{\circ}17'$   
N. on the lat. arc;  $23^{\circ}26'$  N. on the decl. arc; and  
determine a meridian with the solar at the cor. of  
secs. 17, 18, 19 and 20.

Thence

West, on a random line bet. secs. 18 and 19.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.17 Intersect W. bdy. of Tp. 5 lks. S. of the cor. of secs.  
13, 18, 19 and 24, heretofore described.

Thence

S.  $89^{\circ}58'$  E., on a true line bet. secs. 18 and 19,  
Descending over rolling, mountainous land, through  
undergrowth of sagebrush and grass.

24.17 Bottom of draw, 20 ft. below cor., drains S.

Ascend.

34.17 Top of ridge, 20 ft. above draw, bears N. and S.

Descend.

39.17 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

S 18

$\frac{1}{4}$

S 19

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

N. of cor.

54.17

Bottom of draw, 30 ft. below ridge, drains S.

Ascend.

79.17

The cor. of secs. 17, 18, 19 and 20, 40 ft. above draw.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush and grass.

N.0°03'W., bet. secs. 17 and 18,

Over rolling, mountainous land, through undergrowth of  
sagebrush and grass. Descend.

15.00

Bottom of swale, 15 ft. below cor., drains SW.

Ascend.

20.00

Top of ridge, 5 ft. above swale, bears NW. and SE.

Descend.

35.00

Bottom of swale, 35 ft. below ridge, drains SE.

Ascend.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 18 | S 17

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

W. of cor.

70.00

Top of ridge, 40 ft. above swale, bears E. and NW.

Descend.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins.

in the ground, with mound of stone around post, for

cor. of secs. 7, 8, 17 and 18, with brass cap marked

T 29 S | R 2 E

S 7 | S 8

S 18 | S 17

1915

Chains

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 50 ft. below ridge.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush and grass.

June 24, 1915: At the cor. of secs. 7, 8, 17 and 18,  
T. 29 S., R. 2 E.; latitude  $38^{\circ}18'N.$ , longitude  $111^{\circ}$   
 $46'W.$ ; at 3h 32m p.m., l.m.t., I set off  $38^{\circ}18'N.$  on  
the lat. arc;  $23^{\circ}26'N.$  on the decl. arc; and determine  
with the solar a meridian and mark a point thereof,  
by a tack in a stake firmly set in the ground, 5 chs.  
N. of the cor. (Instrument, Young & Sons, No. 8146.)

June 24, 1915.

June 25, 1915: At 1h 24.3m a.m., l.m.t., I observe  
Polaris at eastern elongation, in accordance with the  
Manual of Instructions, and mark a point in the line  
thus determined, by a tack in a stake, 5 chs. N. of  
my station.

At 7 a.m., l.m.t., I lay off the azimuth of Polaris,  
 $1^{\circ}27'30''$  to the west, and mark the meridian thus  
determined, by a tack in the stake set June 24, on  
which the meridian falls .12 ins. west of the mark  
determined by the solar.

At 8h 2m a.m., l.m.t., I set off  $38^{\circ}18'$  on the lat. arc;  
 $23^{\circ}25'30''N.$  on the decl. arc; and mark a point in the  
meridian determined with the solar, by a tack in the  
stake already set 5 chs. N. of my station; this mark  
falls .41 ins. west of the meridian established by  
the Polaris observation.

Chains

The solar apparatus; by p.m. and a.m. observations, defines positions for meridians, respectively about 0'6" east and 0'22" west of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 8 h 15 m a. m., is N.16°29'W.; the angle thus determined gives the mag. decl. 16°29'E.

June 25, 1915: For solar observation see line between secs. 7 and 18.

June 25, 1915: At the cor. of secs. 7, 8, 17 and 18, I set off 23°25'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°18'N.

S.89°59'E., on a random line bet. secs. 8 and 17.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.94 Intersect N. and S. line 5 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence

S.89°59'W., on a true line bet. secs. 8 and 17, Over rolling, mountainous land, through undergrowth of sagebrush and grass. Ascend.

1.64 Top of ridge, 5 ft. above cor.; bears N. and S. Descend.

13.14 Bottom of draw, 100 ft. below ridge, drains S. Ascend.

15.68 Top of spur, 25 ft. above draw, bears N. and S. Descend.

18.54 Bottom of hollow, 10 ft. below spur, drains NE. Ascend.

20.64 Spur of ridge, 40 ft. above hollow, bears N. and S. Descend.

23.45 Bottom of hollow, 5 ft. below ridge, drains S.50°E. (same hollow). Ascend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

- 33.94 Enter pinon pine timber, bearing N. and S.
- 34.94 Top of ridge, 115 ft. above hollow, bears N. and S.  
Descend.
- 39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- |             |
|-------------|
| S 8         |
| <u>    </u> |
| S 17        |
| 1915        |

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

- 54.94 Bottom of swale, 5 ft. below ridge, drains N.  
Ascend.

- 79.94 The cor. of secs. 7, 8, 17 and 18, 130 ft. above swale.  
Land, rolling mountainous.  
Soil, gravel, rock and clay loam.  
Timber, pinon pine.  
Undergrowth, sagebrush and grass.

June 25, 1915: At 9h 2m a.m., l.m.t., I set off  $38^{\circ}18'$   
N. on the lat. arc;  $23^{\circ}25'$  N. on the decl. arc; and  
determine a meridian with the solar at the cor. of  
secs. 7, 8, 17 and 18.

Thence

N.  $89^{\circ}58'$  W., on a random line bet. secs. 7 and 18.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.

- 79.06 Intersect W. bdy. of Tp. 5 lks. S. of the cor. of secs.  
7, 12, 13 and 18, heretofore described.

Thence

S.  $89^{\circ}56'$  E., on a true line bet. secs. 7 and 18,  
Over rolling, mountainous land, through undergrowth of  
sagebrush and grass. Ascend.

- 20.76 Top of ridge, 130 ft. above cor., bears N. and S.  
Descend.

- 29.06 Bottom of swale, 25 ft. below ridge, drains N.  
Ascend.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

39.06 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 7  
 $\frac{1}{4}$   
-----  
S 18  
1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

71.96 Top of ridge, 50 ft. above swale, bears NW. and SE. Descend.

79.06 The cor. of secs. 7, 8, 17 and 18, 65 ft. below ridge. Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush and grass.

N.0°03'W., bet. secs. 7 and 8,

Over mountainous land, across deep canyon, through undergrowth of sagebrush and grass.

18.00 Bottom of swale, 90 ft. below cor., drains S.50°E. Ascend.

25.00 Top of ridge, 20 ft. above swale, bears E. and W. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 7 | S 8  
-----  
1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

49.00 S. edge of canyon; enter pinon pine timber, bearing E. and W. Descend abruptly.

62.10 Bottom of draw, 310 ft. below ridge, drains E. Ascend.

64.70 Top of spur, 15 ft. above draw, bears N.60°E. and S.60°W. Descend.

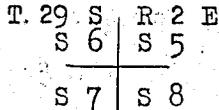
68.75 Bottom of main canyon, 100 ft. below ridge, drains

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

S.70°E. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground, with mound of stone around post, for cor. of secs. 5, 6, 7 and 8, with brass cap marked.



1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 250 ft. above bottom of canyon.

Land, rolling mountainous.

Soil, rocky clay loam.

Timber, pinon pine.

Undergrowth, sagebrush and grass.

June 25, 1915.

June 26, 1915: For solar observation see line between secs. 6 and 7.

June 26, 1915: At the cor. of secs. 5, 6, 7 and 8 I set off 23°24'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°19'N.

N.89°59'E., on a random line bet. secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.

79.92 Intersect N. and S. line 5 lks. S. of the cor. of secs. 4, 5, 8 and 9.

Thence

S.89°57'W., on a true line bet. secs. 5 and 8.

Over rough, mountainous land along north side of deep canyon, through undergrowth of sagebrush and grass.

Ascend.

3.82 Top of ridge, 10 ft. above cor., bears NW. and SE.

Descend.

18.92 Bottom of draw, 100 ft. below ridge, drains S.

SUBDIVISION OF T. 29 S., R. 2 E.

Chains	
	Ascend.
23.12	Top of ridge; 45 ft. above draw, bears NE. and S.30°W.
	Descend.
39.96	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 5 \\ \frac{1}{4} \\ \hline S\ 8 \\ 1915 \end{array}$
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
41.17	Bottom of draw, 200 ft. below ridge, drains S.20°E.
	Ascend.
51.92	Top of ridge, 200 ft. above draw, bears NW. and S.
	Descend.
71.92	Bottom of draw, 30 ft. below ridge, drains S.
	Ascend.
76.92	Top of ridge, 25 ft. above draw, bears N. and S.
	Descend.
79.92	The cor. of secs. 5, 6, 7 and 8, 2 ft. below ridge.
	Land, rough mountainous.
	Soil, rocky clay loam and solid rock.
	No timber.
	Undergrowth, sagebrush and grass.
<p>June 26, 1915: At 9h 2m a.m., l.m.t., I set off 38°19'N. on the lat. arc; 23°24'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 7 and 8.</p> <p>Thence</p> <p>N.89°56'W., on a random line bet. secs. 6 and 7.</p>	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.97	Intersect W. bdy. of Tp. 4 $\frac{1}{2}$ lks. N. of the cor. of secs. 1, 6, 7 and 12, heretofore described.
	Thence
	S.89°58'E., on a true line bet. secs. 6 and 7,

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

Over rough, mountainous land along N. side of canyon,  
through undergrowth of sagebrush and grass, and scatter-  
ing pinon pine timber.

24.47 Bottom of draw, 130 ft. below cor., drains SE.

Ascend.

38.97 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. deep  
in md. of stone for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 6

$\frac{1}{4}$

S 7

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
N. of cor.

43.17 Top of ridge, 70 ft. above draw, bears N. and S.

Descend.

55.12 Bottom of draw, 210 ft. below ridge, drains SE.

Ascend.

56.32 Top of ridge, .5 ft. above draw, bears N. and S.

Descend.

62.27 Bottom of canyon, 100 ft. below ridge, drains SE.

Ascend.

75.97 Leave scattering pinon pine timber bearing N. and S.

78.97 The cor. of secs. 5, 6, 7 and 8, 140 ft. above canyon.

Land, rough mountainous.

Soil, rocky clay loam and rock.

Timber, pinon pine.

Undergrowth, sagebrush and grass.

N. 0° 03' W., bet. secs. 5 and 6,

Over rolling, mountainous land, through dense, short  
undergrowth. Ascend.

5.60 Top of ridge (main divide), 75 ft. above cor., bears E.  
and W. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 6 | S 5

1915

SUBDIVISION OF T. 29 S., R. 2 E.

Chains

- and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
- 55.00 Bottom of draw; 180 ft. below ridge, drains E. Ascend.
- 67.00 Top of ridge, 20 ft. above draw, bears E. and W. Descend.
- 84.05 Intersect N. bdy. of Tp. 506 lks. W. of the cor. of secs. 31 and 32, heretofore described.  
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 5 and 6, with brass cap marked

T 28 S	R 2 E
S 31	S 32

C	C
S 6	S 5
T 29 S	R 2 E
1915	

- and raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
- Cor. 30 ft. below ridge.
- Land, rolling mountainous.
- Soil, clay and gravelly loam; subsoil, same.
- No timber.
- Undergrowth, sage and yellow brush.
- Good grass for grazing.

June 26, 1915.

*Edward W. Thompson*

U. S. Transitman.

GENERAL DESCRIPTION OF T. 29 S., R. 2 E.

Chains

This township contains chiefly rolling, mountainous land and the soil is composed chiefly of a rocky clay loam formed by the disintegration of volcanic rock. The soil is from 1 to 3 ft. deep and is all underlaid by a solid volcanic rock formation. The southwestern portion of this township is more of a gently rolling land, while the remaining portion is very rough. Several deep canyons run through the township. The general drainage is toward the south and east. There is one deep canyon running nearly due east through the northern part of the township which carries practically all the drainage of Ts. 29 and 30 S., R. 1 E., and T. 30 S., R. 2 E.; this canyon has very steep and rocky sides and in many places perpendicular cliffs of volcanic rock. There are two elevated mesas in the township, one in section 17 and one in section 18, about 200 ft. above the average elevation of the township, which is about 8,300 ft.

There is no water within the township. Pine creek runs within about  $1\frac{1}{2}$  miles of the east boundary and bears toward the northeast. This creek at this time of the year has a flow of about 12 second feet.

Scattering pine, juniper and cedar timber is found in the eastern and northern portion of the township, but none of this timber is of commercial value.

This township is chiefly valuable for early spring and late fall grazing and during these seasons produces excellent grasses.

There are no settlers within the township and no improvements.

There is a road through the southeastern portion of the township which runs to Loa and Bicknell, Utah; there is also a branch of this road which runs west through the central portion of the township.

There are no indications of coal or mineral within

GENERAL DESCRIPTION OF T. 29 S., R. 2 E.

the township.

The greater portion of the township is covered with a dense growth of sagebrush and yellow brush about 8 inches high.

*Scott W. Stewart*  
U. S. Surveyor

*Edward N. Thompson*  
U. S. Transitman



FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truthfully, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final oath of U.S. Surveyor and final certificate of U.S. Transit  
see book "J" T.27 S., R.1 E.

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented by the foregoing field notes as having been executed by me, and under my direction; and I do solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 26, 191 \_\_\_\_\_

The foregoing field notes of the survey of the subdivision of Township No. 29  
South, Range No. 2 East, of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and Edward N. Thompson  
<sup>their</sup> under my special instructions dated May 4, 191 4, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*[Handwritten Signature]*  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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BOOK A-422

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# FIELD NOTES

*Book B*

OF THE SURVEY OF THE

RETRACEMENT OF THE NORTH BOUNDARY

AND

SURVEY OF THE SUBDIVISION

O F

TOWNSHIP NO. 30 SOUTH, RANGE NO. 1 EAST

Of the SALT LAKE BASE AND Meridian,

the State of U T A H

EXECUTED BY

SCOTT P. STEWART AND EDWARD N. THOMPSON

*and U.S. Transitman*  
the capacity of U. S. Surveyor *under instructions dated* May 4, 1914,  
ued by the United States Surveyor General to govern surveys included in  
oup No. 27, which were approved by the Commissioner of the General Land  
ice, May 29, 1914; assignment instructions issued by the  
Assistant Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced June 25, 1915.

Survey completed July 8, 1915.

4-679 b

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Township 30 S, Range 1 E

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RETRACEMENT NORTH BOUNDARY T. 30 S., R.1 E.

Chains.

Survey commenced June 25, 1915, and executed with a Young & Sons solar transit No. 8584, for description and complete test of which see notes of the Sixth Standard Parallel South, through Range 2 E.

June 25: At 7h 02m a.m.l.m.t., I set off  $23^{\circ} 26' N.$  on the decl.arc,  $38^{\circ} 14' N.$  on the lat.arc, and determine a meridian with the solar at the cor.of Tps.29 and 30 S., Rs.1 and 2 E., heretofore described.

Thence

West, on retracement line along N.bdy.of Tp., between secs.1 and 36,

Descending over rolling, mountainous land; through dense short undergrowth.

10.20 Draw, 20 ft.below sec.cor., course  $N.20^{\circ} W.$  Ascend.

15.00 Spur, 10 ft.above draw,bearing N.and S.

Descend.

20.00 Draw, 10 ft.below spur, course NE.

Ascend.

33.30 Spur, 20 ft.above draw, bearing N.and S.

39.95 Intersect the old  $\frac{1}{4}$  sec.cor., which is a sandstone  $8 \times 12 \times 10$  ins.above ground, properly marked and witnessed as described by the surveyor general.

Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground,alongside of old cor., for  $\frac{1}{4}$  sec.cor., with brass cap marked

$$\begin{array}{r} S \ 36 \\ \frac{1}{4} \\ \hline S \ 1 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft .high N.cf cor.

67.20 Draw, 25 ft.below  $\frac{1}{4}$  sec.cor., course NW.

Ascend.

74.00 Ridge, 5 ft.above draw, bearing  $N.30^{\circ} W.$  and  $S.30^{\circ} E.$  Desc.

79.93 Intersect U.S.Forest Reserve Boundary Post No.114, which is also the cor.of secs.1,2,35, and 36, an iron post 4 ins.dia., extending 24 ins.above ground, firmly set and marked and witnessed as described by the surveyor

RETRACEMENT NORTH BOUNDARY T.30 S., R.1 E.

Chains. general.

Corner is 30 ft. below top of ridge.

Land, rolling, mountainous.

Soil, gravelly, 2d rate; average depth 2 to 4 ft., volcanic stone.

Undergrowth, dense sage and yellow brush; average height 1 ft.

Good grass for grazing.

No timber.

June 25, 1915: At this cor. I set off  $23^{\circ} 25' N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ} 14' N.$

West, on retracement line, bet. secs. 2 and 35,

Descending over rolling mountainous land; through dense short undergrowth.

13.60 Draw, 15 ft. below sec. cor., course  $N. 30^{\circ} E.$  Ascend.

19.35 Old road, bears  $NE.$  and  $S. 30^{\circ} W.,$  on spur 31 ft. above draw.

Descend.

25.00 Draw, 25 ft. below spur, course  $NE.$  Ascend.

39.96 Intersect old  $\frac{1}{4}$  sec. cor., which is a trachyte stone  $10 \times 10 \times 10$  ins. above ground, firmly set and properly mkd. and witnessed as described by the surveyor general.

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S. 35 \\ \frac{1}{4} \\ \hline S. 2 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Corner is 30 ft. above draw.

71.00 Begin more abrupt ascent, bearing  $N.$  and  $S.$

79.87 Intersect U.S. Forest Reserve Boundary Post No. 115, which is also the cor. of secs. 2, 3, 34, and 35, an iron post

RETRACEMENT NORTH BOUNDARY T:30 S., R.1 E.

Chains.

4 ins.in dia., extending 24 ins.above ground, firmly set and marked and witnessed as described by the surveyor general.

Corner is 140 ft.above  $\frac{1}{4}$  sec.cor.

The course of this line is therefore west, and the distance 79.87 chs.

Land, rolling, mountainous;

Soil, gravelly, volcanic stone, 2d rate; average depth 1. to 3 ft.

Undergrowth, sage and yellow brush, average height 1 ft.

Good grass for grazing.

No timber.

West, on retracement line, bet.secs.3 and 34,

Ascending over rolling, mountainous land; through short undergrowth.

39.99 Intersect the old  $\frac{1}{4}$  sec.cor., which is a trachyte stone .10 x 12 x 10 ins.above ground, marked and witnessed as described by the surveyor general.

Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground, alongside of old cor., for  $\frac{1}{4}$  sec.cor., with brass cap marked

$$\begin{array}{r} S. 34 \\ \frac{1}{4} \\ \hline S. 3 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high N.of cor. Corner is .60 ft.above sec.cor.

79.96 Intersect U.S.Forest Reserve Bdy.Post No.116, which is also the cor.of secs.3,4,33, and 34, an iron post 4 ins.in dia., extending 24 ins.above ground, firmly set, and marked and witnessed as described by the surveyor general. Corner is 85 ft.above  $\frac{1}{4}$  sec.cor.

The course of this line is therefore west and distance 79.96 chs.

Land, rolling, mountainous.

RETRACEMENT OF NORTH BOUNDARY T. 30 S., R.1 E.

Chains.

Soil, gravelly, volcanic stone, 2d rate; average depth 1 to 3 ft. Good grass for grazing.

No timber.

June 25, 1915.

June 26: At 7h 02m a.m. l.m.t., I set off  $23^{\circ} 23'$  N. on the decl. arc;  $38^{\circ} 14'$  N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33, and 34. Thence

West, on retracement line bet. secs. 4 and 33,

Ascending over rolling, mountainous land; through dense short undergrowth.

38.00 Ridge 205 ft. above sec. cor., bearing N. and S. Desc.

39.90 Intersect old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 10 x 10 x 10 ins. above ground, well set, and properly marked and witnessed as described by the surveyor general.

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor., with brass cap marked

S. 33  
—  
S. 4  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Corner is 5 ft. below top of ridge.

50.00 Enter bed of dry lake, bearing N. and S., 30 ft. below  $\frac{1}{4}$  sec. cor.

70.50 Leave bed of dry lake, bearing N. and S.

June 26, 1915: At this point I set off  $23^{\circ} 24'$  N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is  $38^{\circ} 14'$  N.

79.89 Intersect U.S. Forest Reserve Bdy. Post No. 117, which is also the cor. of secs. 4, 5, 32, and 33, an iron post 4 ins. in dia., firmly set and marked and witnessed as described by the surveyor general.

Corner is 35 ft. above low point in lake bed.

RETRACEMENT OF NORTH BOUNDARY T.30 S., R.1 E.

Chains.

The course of this line is therefore west and distance 79.89 chs.

Land, rolling, mountainous.

Soil, gravelly, 2d rate, about 1 to 3 ft. deep,

Undergrowth, sage and yellow brush; average height 1 ft.

Good grass for grazing.

No timber.

West on retracement line bet. secs. 5 and 32,

Ascending, over rolling, mountainous land; through dense short undergrowth.

20.00 Draw, 10 ft. below sec. cor., course SE. Ascend.

20.45 Old road, bearing NW. and SE.

27.00 Begin more abrupt ascent, bearing N. and SE.

39.97 Intersect the old  $\frac{1}{4}$  sec. cor., which is a sandstone  $8 \times 8 \times 4$  ins. above ground, well set, properly marked and witnessed as described by the surveyor general.

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 32  
 $\frac{1}{4}$   
S 5  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Corner is 100 ft. above sec. cor.

61.40 Ridge, 125 ft. above  $\frac{1}{4}$  sec. cor., bearing N. and S. Descend.

73.00 Draw, 20 ft. below ridge, course SE. Ascend.

78.15 Enter aspen timber, bearing N. and S.

79.87 Intersect U.S. Forest Reserve Bdy. Post No. 118, which is also the cor. of secs. 5, 6, 31, and 32, an iron post 4 ins. in dia., firmly set and marked and witnessed as described by the surveyor general.

Corner is 50 ft. above draw.

The course of this line is therefore west and distance 79.87 chs.

RETRACEMENT OF NORTH BOUNDARY T.30 S., R.1 E

Chains.

Land, rolling, mountainous.

Soil, gravelly and rocky, volcanic stone, average depth 1 to 3 ft., 3d rate.

Timber aspen.

Undergrowth, sage and yellow brush, average height 1 ft.

Good grass for grazing.

West, on retracement line bet. secs. 6 and 31,

Ascending over rolling, mountainous land; through aspen timber and dense short undergrowth.

4.50 Ridge, 35 ft. above sec. cor., bearing NW. and SE. Descend.  
16.70 Draw, 75 ft. below ridge, course SE. Ascend.

27.42 Intersect U.S. Forest Reserve Bdy. Post No. 119, which is also the closing cor. of Tps. 29 and 30 S., R.1 E., an iron post, 4 ins. in dia., firmly set and marked and witnessed as described by the surveyor general.

This cor. stands 70 ft. above draw.

The course of this line is therefore west 27.42 chs.

Land, rolling, mountainous.

Soil, rocky, 3d rate, average depth 1 to 2 ft.

Undergrowth, sage and yellow brush, average height 1 ft.

Good grass for grazing.

Timber, aspen.

June 26, 1915.

*Scott P. Stewart*

U.S. Surveyor.

SUBDIVISION OF T. 30 S., R. 1 E.

Chains. Survey commenced June 29, 1915, and executed with a Young & Sons solar transit No. 8584, described in notes of Sixth Standard Parallel South, Range 2 E. book "A" of this group, where complete test of instrument is also recorded.

June 29: At 7h 03m a.m. l.m.t., I set off  $38^{\circ} 09'$  on the lat. arc;  $23^{\circ} 18' N.$  on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 35 and 36 heretofore described.

Thence I run

$N. 0^{\circ} 06' E.$  bet. secs. 35 and 36,

Ascending gradually, over rolling mountainous land;

through dense short undergrowth.

3.00 Broad Hollow, course  $N. 80^{\circ} E.$

32.30 Old trail bears NE. and SW.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 35 | S 36  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is on top of ridge bearing E. and W., 35 ft. above Tp. cor.

65.00 Bottom of draw, 30 ft. below  $\frac{1}{4}$  sec. cor., course SE.

75.80 Trail bears NE. and SW.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, with brass cap marked

T 30 S R 1 E  
 S 26 | S 25  
 S 35 | S 36  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner located 4 ft. above draw.

Land, rolling, mountainous.

Soil, gravelly, 3d rate; average depth 1 to 2 ft.

Undergrowth, short sage and yellow brush, average height 1 ft.

Good grass for grazing.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

No timber.

East, on a random line bet. secs. 25 and 36,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.99 Intersect E. bdy. of Tp. 1 lk. S. of the cor. of secs. 25, 30, 31, and 36, heretofore described.

Thence

West, on true line bet. secs. 25 and 36,

Ascending gradually over rolling, mountainous land; through dense short undergrowth.

24.80 Trail bears N. 30° W. and S. 30° E.

30.00 Top of ridge, 8 ft. above sec. cor., bears N. and S. Desc.

37.50 Bottom of draw, 10 ft. below ridge, course S.

Ascend.

39.99 $\frac{1}{2}$  Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S\ 25 \\ \frac{1}{4} \\ \hline S\ 36 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $\frac{1}{2}$  ft. high N. of cor. Corner 4 ft. above draw.

60.00 Top of ridge, 25 ft. above  $\frac{1}{4}$  sec. cor., bears N. and S.

June 29: At this point I set off 23° 16' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 09' N. Descend.

77.50 Trail, in bottom of draw, 15 ft. below ridge, bears N. 10° E. and S. 10° W. Course of draw S. 10° W. Ascend.

79.99 The cor. of secs. 25, 26, 35, and 36.

Land, rolling, mountainous.

Soil, rocky, volcanic formation; 3d rate; average depth 1 to 2 ft.

Undergrowth, short sage and yellow brush; average height 1 ft.

Good grass for grazing.

No timber.

SUBDIVISION OF T.30 S., R.1 E.

- Chains. N. 0° 6' E. bet. secs. 25 and 26,  
 Ascending over rolling mountainous land; through dense  
 short undergrowth.
- 25.00 Dry lake, 5 chs. E. of line, 300 ft. E. and W., by 600 ft.  
 N. and S.
- 30.00 Ridge, 20 ft. above sec. cor., bears NE. and SW.  
 Descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the  
 ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor.  
 with brass cap marked  

$$\begin{array}{c} \frac{1}{4} \text{ S } 26 \mid \text{ S } 25 \\ 1915 \end{array}$$
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Impossible to set post over 12 ins. in the ground.  
 Corner located 7 ft. below ridge.
- 56.50 Bottom of draw, 15 ft. below  $\frac{1}{4}$  sec. cor., course SW. 5.00  
 chs., thence west.  
 Ascend.
- 77.50 Top of ridge, 10 ft. above draw, bearing NE. and SW.  
 Descend.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 8 ins. in the  
 ground, to solid rock, with mound of stone around post,  
 for cor. of secs. 23, 24, 25, and 26, with brass cap marked  

$$\begin{array}{c} \text{T } 30 \text{ S } \text{ R } 1 \text{ E} \\ \text{S } 23 \mid \text{ S } 24 \\ \text{S } 26 \mid \text{ S } 25 \\ 1915 \end{array}$$
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Corner 2 ft. below top of ridge.  
 Land, rolling, mountainous.  
 Soil, gravelly, volcanic formation; 2d rate; average  
 depth 6 ins. to 2 ft.  
 Undergrowth, dense short sage and yellow brush, average  
 height 1 ft.  
 Good grass for grazing.  
 No timber.

-10-  
SUBDIVISION OF T. 30 S., R.1 E.

- Chains. East on a random line bet. secs. 24 and 25,  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 30.01 Intersect E. bdy. of Tp. 2 $\frac{1}{2}$  lks. N. of the cor. of secs. 19, 24,  
 25, and 30, heretofore described.  
 Thence  
 N. 89° 59' W. on true line bet. secs. 24 and 25,  
 Descending over rolling mountainous land, through dense  
 short undergrowth.  
 10.00 Bottom of draw, 3 ft. below sec. cor., course NE. Ascend.  
 28.21 Trail to dry lake, bears N. 30° E. and S. 30° W.  
 40.00 $\frac{1}{2}$  Top of ridge, bearing N. and S., 50 ft. above draw.  
 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- |               |
|---------------|
| S 24          |
| $\frac{1}{4}$ |
| S 25          |
| 1915          |
- Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high N. of cor.  
 47.81 Trail bears NE. and SW. Descend.  
 60.00 Bottom of draw, 15 ft. below  $\frac{1}{4}$  sec. cor., course SW.  
 Ascend.  
 75.00 Top of ridge, 2 ft. above draw, bearing NE. and SW.  
 Descend 5 ft. to  
 80.01 The cor. of secs. 23, 24, 25, and 26.  
 Land, rolling, mountainous.  
 Soil, gravelly volcanic stone, 2d rate; average depth 1  
 to 3 ft.  
 Undergrowth, dense, short sage and yellow brush, average  
 height 1 ft.  
 Good grass for grazing.  
 No timber.

June 29, 1915.

June 30: At 7h 03m a.m. l.m.t., I set off 23° 14' N. on the  
 decl. arc; 38° 10' N. on the lat. arc; and determine a  
 meridian with the solar at the cor. of secs. 23, 24, 25,

SUBDIVISION OF T. 30 S., R. 1 E.

Chains.

and 26. Thence

N. 0° 06' E. bet. secs. 23 and 24,

Descending, over rolling, mountainous land; through dense short undergrowth.

8.70 Bottom of draw, 15 ft. below sec. cor., course SW.

Ascend.

33.50 Top of ridge, 40 ft. above draw, bearing NE. and SW.

Descend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 23	S 24
1915	

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

45.00 Bottom of draw, 10 ft. below  $\frac{1}{4}$  sec. cor., course SW.

Ascend.

60.00 Top of ridge, 15 ft. above draw, bearing N. 70° E. and SW.

Descend.

78.90 Trail bears N. 50° E. and S. 50° W.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 6 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 13, 14, 23, and 24, with brass cap marked

T 30 S R 1 E	
S 14	S 13
S 23	S 24
1915	

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Corner is 30 ft. below ridge.

Land, rolling, mountainous.

Soil, gravelly and rocky, volcanic, 3d rate; average depth 1 to 2 ft.

Undergrowth, dense short sage and yellow brush; average height 1 ft.

Good grass for grazing.

No timber.

SUBDIVISION OF T.30 S., R.1 E.

Chains.	S. 89° 59' E. on a random line bet. secs. 13 and 24,
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.99	Intersect E. bdy. of Tp. at the cor. of secs. 13, 18, 19 and 24, heretofore described. Thence
	N. 89° 59' W. on a true line bet. secs. 13 and 24,
	Ascending gradually, over rolling mountainous land;
	through dense short undergrowth.
39.99 $\frac{1}{2}$	Ridge, 190 ft. above sec. cor. bears N. and S.
	Set an iron post 3 ft. long, 1 in. in dia., 8 ins. in the ground, to solid rock, with mound of stone around post, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 13 \\ \frac{1}{4} \\ \hline S\ 24 \\ 1915 \end{array}$
	Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.
	June 30, 1915: At this cor. I set off 23° 13' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 11' N.
	Descend.
48.99	Bottom of draw, 140 ft. below ridge, course NW.
	Ascend.
51.04	Top of ridge, 5 ft. above draw, bearing NW. and SE.
	Descend.
71.79	Bottom of swale, 75 ft. below top of ridge, course NW.
	Ascend.
74.99	Top of spur, 4 ft. above swale, bearing N. and S.
	Descend 10 ft. to
79.99	The cor. of secs. 13, 14, 23, and 24.
	Land, rolling, mountainous.
	Soil, gravelly and rocky, volcanic stone; 2d. rate; average depth 1 to 2 ft.
	Undergrowth, dense sage and yellow brush; average height 1 ft.
	Good grass for grazing.
	No timber.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

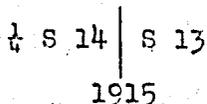
N.0° 06'E. bet. secs. 13 and 14,

Descending gradually over rolling mountainous land; through dense short undergrowth.

4.00 Ridge bears N.30° W. and S.30° E. 10 ft. below sec. cor.

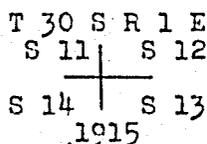
Continue descent to point 115 ft. below sec. cor. at

40.00 Set an iron post 3 ft. long, 1 in. in dia., 6 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 11, 12, 13, and 14, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Land, rolling and mountainous.

Soil, rocky, volcanic stone; 3d rate, average depth 6 ins. to 2 ft.

Undergrowth, dense short sage and yellow brush, average height 1 ft.

Good grass for grazing.

No timber.

S.89° 59'E. on a random line between secs. 12 and 13,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.09 Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs. 7, 12, 13, and 18, heretofore described. Thence

West on true line bet. secs. 12 and 13, Descending over rolling mountainous land; through dense sage and yellow brush.

10.09 Bottom of swale, 10 ft. below sec. cor., course N.

SUBDIVISION OF T.30 S., R.1 E.

Chains. Ascend.

20.09 Top of ridge, 10 ft. above swale, bears N. and S.  
Descend, 5 ft. to

40.04 1/2 Set an iron post 3 ft. long, 1 in. in dia., 1 1/2 ins. in the  
ground, to solid rock, with mound of stone around post,  
for 1/4 sec. cor., with brass cap marked

S 12  
1/4  
-----  
S 13  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.

45.09 Bottom of swale, 3 ft. below 1/4 sec. cor. course N.  
Ascend.

55.09 Top of ridge, 6 ft. above swale, bearing N. 10° W. and  
S. 10° E.  
Descend.

78.39 Head of swale, 40 ft. below ridge, course NW.  
Ascend 3 ft. to

80.09 The cor. of secs. 11, 12, 13, and 14.

Land, rolling, mountainous.  
Soil, rocky, volcanic stone; 3d rate; average depth 1 to  
2 ft.

Undergrowth, dense sage and yellow brush; average height  
1 ft.

Good grass for grazing.

No timber.

June 30, 1915.

July 1, 1915: At 8h 03m a.m. l.m.t., I set off 23° 10' N.  
on the decl. arc; 38° 12' N. on the lat. arc; and deter-  
mine a meridian with the solar at the cor. of secs. 11,  
12, 13, and 14. Thence

N. 0° 06' E. bet. secs. 11 and 12,  
Descending, over rolling mountainous land; through dense  
short undergrowth.

6.90 Bottom of swale, 30 ft. below sec. cor., course N. 20° E.

SUBDIVISION OF T.30 S., R.1 E.

- Chains. Ascend.
- 10.00 Top of ridge, bearing NE. and SW.,  
Descend.
- 22.70 Bottom of swale, 35 ft. below ridge, course N.70° E.  
Ascend.
- 30.00 Top of ridge, 5 ft. above swale, bears NE. and SW.  
Descend.
- 35.00 Bottom of swale, 15 ft. below ridge, course N.60° E. Asc.
- 40.00 Top of ridge, 5 ft. above swale, bearing NE. and SW.,  
Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$\frac{1}{4}$	S	11		S	12
1915					
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Descend.
- 65.00 Bottom of swale, 40 ft. below ridge, course N.70° E.  
Ascend.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 12 ins. in the  
ground, to solid rock, with mound of stone around post,  
for cor. of secs. 1, 2, 11, and 12, with brass cap marked  

T	30	S	R	1	E
S	2		S	1	
1915					
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land, rolling, mountainous.  
Soil, rocky, volcanic stone; 3d rate; average depth 1 to  
2 ft.  
Undergrowth, dense sage and yellow brush, average height  
1 ft.  
Good grass for grazing.  
No timber.

East, on a random line bet. secs. 1 and 12,

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Intersect E. bdy. of Tp. 2 lks. N. of cor. of secs. 1, 6, 7, and

SUBDIVISION OF T.30 S., R.1 E.

Chains. 12, heretofore described. Thence  
N.89° 59' W. on true line bet. secs. 1 and 12,  
Ascending, over rolling mountainous land; through dense  
undergrowth.

15.10 Top of ridge bearing N. and S., 5 ft. above sec. cor.  
Descend.

27.80 Bottom of swale, 15 ft. below ridge, course NE.  
Ascend.

40.05 Top of ridge, bearing N.20° E. and S.20° W.,  
Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 1  
      
S 12  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
Descend.

48.40 Bottom of draw, 10 ft. below  $\frac{1}{4}$  sec. cor., course NE.  
Ascend, 95 ft. to

80.10 The cor. of secs. 1, 2, 11, and 12.  
Land, rolling, mountainous.  
Soil, rocky, 3d rate; average depth 1 to 3 ft., volcanic  
stone.

Undergrowth, dense sage and yellow brush; average height  
1 ft.

Good grass for grazing.

No timber.

July 1, 1915: At this cor. I set off 23° 10' N. on the decl.  
arc; and at apparent noon observe the sun on the merid-  
ian; the resulting lat. is 38° 13' N.

N.0° 06' E. on a random line bet. secs. 1 and 2,

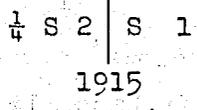
40.00 Set temp.  $\frac{1}{4}$  sec. cor.

73.68 Intersect N. bdy. of Tp. 15 lks. W. of the cor. of secs. 1, 2,  
35, and 36, heretofore described.

Thence

SUBDIVISION OF T.30 S., R.1 E.

- Chains. S.0° 13'W.on true line bet.secs.1 and 2,  
Descending through dense, short undergrowth.
- 3.68 Bottom of draw, 15 ft.below sec.cor., course NW.Ascend.
- 18.68 Top of ridge, 50 ft.above draw, bearing NW. and SE.  
Descend.
- 23.68 Bottom of draw, 5 ft.below top of ridge, course NW.  
Ascend.
- 33.68 Set an iron post 3 ft.long, 1 in.in dia., 6 ins.in the  
ground, to solid rock, with mound of stone around post,  
for  $\frac{1}{4}$  sec.cor., with brass cap marked



Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high W.of cor.  
Corner is 30 ft.above draw. Continue ascent.

- 63.67 Top of ridge, 110 ft.above  $\frac{1}{4}$  sec.cor., bearing E.and W.  
Descend gradually to

- 73.68 The cor.of secs.1,2,11, and 12, 7 ft.below ridge.  
Land, rolling, mountainous.  
Soil, rocky, volcanic stone; 3d rate; average depth 6  
ins.to 2 ft.

Undergrowth, dense sage and yellow brush; average height  
1 ft. Good grass for grazing.

No timber.

July 1, 1915.  
*Scott B. Stewart*  
U.S. Surveyor.

Note: From test of my instrument, (a Young & Sons light  
mountain transit, No.8146), made June 24, 1915, at the  
cor.of secs.7,8,17, and 18, T.29 S., R.2 E., I believe  
it to be in adjustment; therefore I omit test at this  
time.

June 29, 1915: At 9h 03m a.m.l.m.t., I set off 23° 17'  
N.on the decl.arc; 38° 09'N.on the lat.arc; and deter-  
mine a meridian with the solar at the standard cor.of

SUBDIVISION OF T. 30 S., R. 1 E.

Chains.

secs. 34 and 35 on S. bdy. of Tp., heretofore described.

Thence

N. 0° 06' E. bet. secs. 34 and 35,

Descending over rolling, mountainous land, covered with black sage and yellow brush.

15.00 Draw, 10 ft. below sec. cor., course N. 30° E. Ascend.

30.00 Ridge, 16 ft. above draw, bears E. and W. Descend. 15 ft. to

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 34 | S 35

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

71.13 Bottom of draw, 135 ft. below ridge, course NE. Ascend.

77.14 Spur, 11 ft. above draw, bears NE. and SW. Descend.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 18 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 26, 27, 34, and 35, with brass cap mkd.

T 30 S R 1 E

S 27 | S 26

S 34 | S 35

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land, rolling, mountainous.

Soil, gravel and volcanic rock.

Undergrowth, black sage and yellow brush.

No timber.

The cor. of secs. 25, 26, 35, and 36 being plainly visible,

I run for said corner,

S. 89° 55' E. on a random line bet. secs. 26 and 35,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

50.02 Intersect N. and S. line at the cor. of secs. 25, 26, 35, and 36. Thence

N. 89° 55' W. on a true line bet. secs. 26 and 35,

Ascending, through undergrowth of black sage and yellow

SUBDIVISION OF T.30 S., R.1 E.

Chains. bush.

- 7.73 Top of ridge, 7 ft. above sec. cor., bearing N. and S. Descend.
- 30.02 Draw, 49 ft. below ridge, course N. 20° W. Ascend.
- 40.01 Top of spur, 3 ft. above draw, projects N. Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$$\begin{array}{r} S\ 26 \\ \frac{1}{4} \\ \hline S\ 35 \\ 1915 \end{array}$$
- Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high N. of cor. Descend.
- 73.04 Bottom of draw, 33 ft. below  $\frac{1}{4}$  sec. cor., course N. 20° W. Asc.
- 80.02 The cor. of secs. 26, 27, 34, and 35, 20 ft. above draw. Land, rolling, mountainous. Soil, gravel and volcanic rock. Undergrowth, black sage and yellow bush. No timber. June 29, 1915: At this cor. I set off 23° 16' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 38° 10' N.

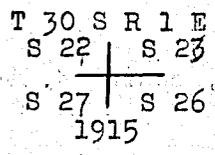
N. 0° 06' E. bet. secs. 26 and 27,  
 Over rolling mountainous land, covered with black sage and yellow brush, some bunch grass.

- 5.68 Bottom of draw, 20 ft. below sec. cor., course NW. Ascend.
- 25.75 Ridge, 53 ft. above draw, bears E. and W. Descend, 20 ft. to
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$$\begin{array}{r} \frac{1}{4} S\ 27 \quad | \quad S\ 26 \\ \hline 1915 \end{array}$$
- Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.
- 60.22 Bottom of draw, 100 ft. below ridge, course N. 85° W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 20 ins. in the

SUBDIVISION OF T.30 S., R.1 E.

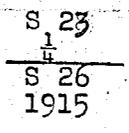
Chains. ground, to solid rock, with mound of stone around post, for cor. of secs. 22, 23, 26, and 27, with brass cap mkd.



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Land, rolling, mountainous. Soil, gravel and volcanic rock. Undergrowth, black sage, yellow bush and grass. No timber.

40.00 S. 89° 55' E. on a random line bet. secs. 23 and 26, Set temp. 1/4 sec. cor.  
80.02 Intersect N. and S. line 10 lks. S. of cor. of secs. 23, 24, 25 and 26. Thence

N. 89° 59' W. on true line bet. secs. 23 and 26, Over rolling mountainous land covered with black sage and yellow bush. Descend 40. ft. to  
40.01 Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, to solid rock, with mound of stone around post, for 1/4 sec. cor., with brass cap marked.



66.33 Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Bottom of draw, 72 ft. below 1/4 sec. cor., course S. 15° W. Asc.  
80.02 The cor. of secs. 22, 23, 26, and 27, 20 ft. above draw. Land, rolling, mountainous. Soil, gravel and volcanic rock. Undergrowth, black sage, yellow brush, and grass. No timber. June 29, 1915.

June 30: At 9h 03m a.m. l.m.t., I set off 38° 10' N. on the lat. arc; 23° 13' N. on the decl. arc; and determine a

SUBDIVISION OF T.30 S, R.1 E.

Chains.

meridian with the solar at the cor. of secs. 22, 23, 26, and 27. Thence

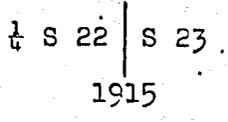
N. 06° E. bet. secs. 22 and 23.

Ascending, over rolling mountainous land, covered with black sage and yellow brush; gravelly and rocky soil.

2.90 Ridge, 3 ft. above sec. cor., bearing S. 40° W. and N. 40° E. Descend.

30.00 East side of draw, 95 ft. below sec. cor., bearing N. 20° E. and S. 20° W.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 20 ins. in the ground, to solid rock, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

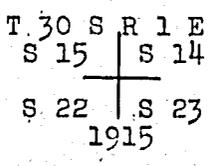


Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Descend.

55.08 Small draw, 53 ft. below 1/4 sec. cor., course N. 75° W. Asc.

63.58 Point of spur, 19 ft. above draw, projects N. 75° W. Descend, 20 ft. to

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 7 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 14, 15, 22, and 23, with brass cap mkd.



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Land, rolling, mountainous. Soil, gravel and volcanic rock. Undergrowth, black sage and yellow brush. No timber.

S. 89° 59' E. on a random line bet. secs. 14 and 23,

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect N. and S. line at the cor. of secs. 13, 14, 23, and 24. Thence

SUBDIVISION OF T.30 S., R.1 E.

Chains.

N.89° 59'W.on true line bet.secs.14 and 23,  
Over rolling mountainous land, covered with black sage  
and yellow brush. Descending.

40.04 Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the  
ground, for  $\frac{1}{4}$  sec.cor., with brass cap marked

$$\begin{array}{r} S 14 \\ \frac{1}{4} \\ \hline S 23 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high N.of cor.  
 $\frac{1}{4}$  sec.cor.65 ft.below sec.cor. Descend.

79.36 Draw, 139 ft.below  $\frac{1}{4}$  sec.cor., course N.70° W.

80.08 The cor.of secs.14,15,22, and 23.

Land, rolling, mountainous.

Soil, gravel and volcanic rock.

Undergrowth, black sage, yellow brush, and grass.

No timber.

June 30, 1915: At the cor.of secs.14,15,22, and 23 I set  
off 23° 13'N.on the decl.arc; and at apparent noon ob-  
serve the sun on the meridian; the resulting lat.is  
38° 12'N.

Thence

N.0° 06'E.bet.secs.14 and 15,

Over rolling, mountainous land; covered with black sage  
and yellow brush.

.50 Draw, 1 ft.below sec.cor., course N.70° W. Ascend.

5.00 Point of spur, projects W., 7 ft.above draw.  
Descend.

10.00 Draw, 4 ft.below spur, course W. Ascend.

40.00 Set an iron post 3 ft.long, 1 in.in dia., 14 ins.in the  
ground, to solid rock, with mound of stone around post,  
for  $\frac{1}{4}$  sec.cor. with brass cap marked

$$\begin{array}{r} \frac{1}{4} S 15 \quad | \quad S 14 \\ \hline 1915 \end{array}$$

Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high W.of cor.



SUBDIVISION OF T.30 S., R.1 E.

Chains.  
50.47

Swale, 25 ft. below spur, course S.  
Ascend.

57.37

Spur, 25 ft. above swale, projects S.  
Descend 60 ft. to

80.04

The cor. of secs. 10, 11, 14, and 15.  
Land, rolling, mountainous.  
Soil, gravelly and rocky, volcanic.  
Undergrowth, black sage and yellow brush.  
No timber.

June 30, 1915.

July 1, 1915: At 8h 03m a.m. l.m.t., I set off 38° 13' N.  
on the lat. arc; 23° 10' N. on the decl. arc; and deter-  
mine a meridian with the solar at the cor. of secs. 10,  
11, 14, and 15. Thence  
N. 0° 06' E. bet. secs. 10 and 11,

Descending gradually, over rolling mountainous land, cov-  
ered with black sage, yellow brush, sagebrush, and  
scattering aspens.

31.29

Small rocky knoll, 141 ft. below sec. cor., bears E. and W.

35.57

Draw, 25 ft. below knoll, course NE.

Ascend.

40.00

Set an iron post 3 ft. long, 1 in. in dia., 22 ins. in the  
ground, to solid rock, with mound of stone around post,  
for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 10 | S 11

1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

43.90

Ridge, 2 ft. above  $\frac{1}{4}$  sec. cor., bears NE. and SW.

Descend gradually.

59.09

Draw, 105 ft. below ridge, course NE.

Ascend.

75.64

Ridge, 117 ft. above draw, bears E. and W. Descend 25 ft. to

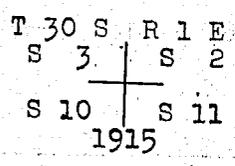
80.00

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the

SUBDIVISION OF T.30 S., R.1 E.

Chains.

ground, for cor. of secs. 2, 3, 10, and 11, with brass cap marked

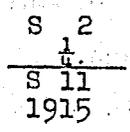


Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Land, rolling, mountainous.  
 Soil, gravelly and rocky.  
 Undergrowth, black sage, yellow brush, and sagebrush.  
 Timber, scattering aspen.

July 1, 1915: At the cor. of secs. 2, 3, 10, and 11 I set off 23° 09' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 14' N. Thence

40.00  
 80.05  
 10.05  
 40.02½

S. 89° 58' E. on a random line bet. secs. 2 and 11,  
 Set temp. ¼ sec. cor.  
 Intersect N. and S. line 3 lks. S. of cor. of secs. 1, 2, 11, and 12. Thence  
 N. 89° 59' W. on true line bet. secs. 2 and 11,  
 Ascending through undergrowth and scattering aspens.  
 Ridge bears N. and SW., 8 ft. above sec. cor.  
 Descend. 16 ft. to  
 Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground, for ¼ sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.  
 Descend gradually.  
 Draw, 125 ft. below ¼ sec. cor., course N.  
 Ascend abruptly.  
 Top of abrupt ascent.  
 The cor. of secs. 2, 3, 10, and 11, 105 ft. above draw.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

Land, rolling, mountainous.  
Soil, gravel, clay, and volcanic rock.  
Undergrowth, black sage, yellow brush, and bunch grass.  
Timber, scattering aspen.

40.00 N.0° 06'E.on a random line bet.secs.2 and 3,  
Set temp.  $\frac{1}{4}$  sec.cor.  
73.65 Intersect N.bdy.of Tp. 32 lks.W.of cor.of secs.2,3,34,  
and 35, heretofore described.

Thence

8.40 S.0° 21'W.on true line bet.secs.2 and 3,  
Over rolling mountainous land; through black sage under-  
growth, and some grass; descending.  
Draw, 37 ft.below sec.cor., course E.  
Ascend.

33.65 Set an iron post 3 ft.long, 1 ih. in dia., 26 ins.in the  
ground, for  $\frac{1}{4}$  sec.cor., with brass cap marked  
 $\frac{1}{4}$  S 3 | S 2  
1915

42.09 Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high W.of cor.  
Ridge, 7 ft.above  $\frac{1}{4}$  sec.cor., bears E.and W.  
Descend.

56.88 Draw, 42 ft.below ridge, course S.85° E. Ascend.

73.65 The cor.of secs.2,3,10, and 11, 70 ft.above draw.  
Land, rolling, mountainous.  
Soil, gravelly, clay loam, and volcanic rock.  
Undergrowth, black sage and grass.  
No timber.

July 1, 1915.

*Edward M. Thompson*  
U.S.Transitman.

July 2, 1915:At 7h 04m a.m.l.m.t.I set off 38°10'N. on at

-27-  
SUBDIVISION OF T.30 S., R.1 E.

Chains.

23°07'N.on decl.arc;  
the lat.arc; and determine a meridian with the solar  
at the standard cor.of secs.33 and 34 on S.bdy.of Tp.

heretofore described. Thence

N.0° 05'E.bet.secs.33 and 34,

Descend, over rolling, mountainous land; through dense  
short undergrowth.

39.00 Bottom of draw, 105 ft.below cor., course NE. Ascend.

40.00 Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the  
ground, for  $\frac{1}{4}$  sec.cor., with brass cap marked

$\frac{1}{4}$  S 33 | S 34

1915

Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$  ft.high W.of cor.

55.00 Enter black rocks, on E.edge of ridge, bearing N.20° E.  
and S.20° W.

80.00 Set an iron post 3 ft.long, 2 ins.in dia., 18 ins.in the  
ground, to solid rock, with mound of stone around post,  
for cor.of secs.27,28,33, and 34, with brass cap mkd.

T 30 S R 1 E

S 28 | S 27

S 33 | S 34

1915

Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$  ft.high W.of cor .  
Corner 50 ft.above  $\frac{1}{4}$  sec.cor..  
Land, rolling, mountainous.

Soil, gravelly and rocky, volcanic stone; 2d rate; av-  
erage depth 1 to 3 ft.

Undergrowth, dense sage and yellow brush, average height  
1 ft. Good grass for grazing.

No timber.

East on a random line bet.secs.27 and 34,

40.00 Set temp. $\frac{1}{4}$  sec.cor.

79.94 Intersect N.and S.line 2 lks.S.of the cor.of secs.26,  
27,34, and 35. Thence

S.89° 59'W.on true line bet.secs.27 and 34,

Ascending gradually, over rolling, mountainous land;

SUBDIVISION OF T.30 S., R.1 E.

Chains.

through dense short undergrowth.

- 32.00 Top of ridge, 10 ft. above cor., bears N. and S. Descend.
- 39.97 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S\ 27 \\ \hline S\ 34 \\ 1915. \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 Corner is 10 ft. below ridge.

- 50.00 Bottom of draw, 50 ft. below  $\frac{1}{4}$  sec. cor., course N.30° E. Asc

79.94 The cor. of secs. 27, 28, 33, and 34, 90 ft. above draw.

Land, rolling, mountainous.  
 Soil, gravelly, volcanic stone; 2d rate; average depth 1 to 3 ft.  
 Undergrowth, dense sage and yellow brush; average height 1 ft. Good grass for grazing.  
 No timber.

N.0° 05' E. bet. secs. 27 and 28,  
 Ascending over rolling, mountainous land; through dense, short undergrowth.

- 2.50 Top of ridge, bearing N.15° E. and S.15° W., 2 ft. above sec. cor. Descend.

35.00 Bottom of swale, 45 ft. below ridge, course W.

- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} S\ 28 \quad | \quad S\ 27 \\ \hline 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Ascend.

- 55.00 Top of ridge, 5 ft. above  $\frac{1}{4}$  sec. cor., bearing E. and W. Descend.

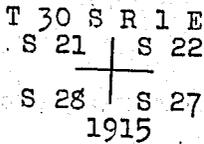
77.20 Bottom of draw, 80 ft. below ridge, course NE.  
 Ascend.

- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the

SUBDIVISION OF T.30 S., R.1 E.

Chains.

ground for cor. of secs. 21, 22, 27, and 28, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner 15 ft. above draw.

Land, rolling, mountainous.

Soil, gravelly, volcanic stone; 2d rate; average depth  
1 to 3 ft.

Undergrowth, dense sage and yellow brush; average height  
1 ft. Good grass for grazing.

No timber.

July 2, 1915: At this cor. I set off  $23^{\circ} 06' N.$  on the  
decl. arc; and at apparent noon observe the sun on the  
meridian; the resulting lat. is  $38^{\circ} 10' N.$

N.  $89^{\circ} 59' E.$  on a random line bet. secs. 22 and 27,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.90 Intersect N. and S. line 2 lks. S. of cor. of secs. 22, 23, 26,  
and 27. Thence

S.  $89^{\circ} 58' W.$  on true line bet. secs. 22 and 27,

Descending over rolling mountainous land; through dense  
sage and yellow brush.

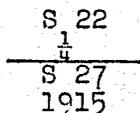
12.80 Bottom of draw, 90 ft. below sec. cor., course N.  $20^{\circ} E.$

13.80 Trail bears N. and S. Ascend.

24.90 Top of ridge, bearing N. and S., 55 ft. above draw.

Descend.

39.95 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

Corner 5 ft. below top of ridge.

DIVISION OF T. 30 S., R. 1 E.

- 56.30 Bottom of draw, 75 ft. below  $\frac{1}{4}$  sec. cor., course N.  
Ascend.
- 72.20 Top of ridge, 30 ft. above draw, bearing N. and SW.  
Descend.
- 77.40 Bottom of draw, 20 ft. below ridge, course NE.  
Ascend 20 ft. to
- 79.90 The cor. of secs. 21, 22, 27, and 28.  
Land, rolling, mountainous.  
Soil, gravelly, volcanic stone, 2 d rate; average depth  
1 to 3 ft.  
Undergrowth, dense sage and yellow brush; average height  
1 ft. Good grass for grazing.  
No timber.

N. 0° 05' E. bet. secs. 21 and 22,

Ascending gradually, over mountainous land; through  
dense short undergrowth.

- 5.00 Top of ridge, 10 ft. above sec. cor., bearing NE. and SW.  
Descend.
- 20.00 Bottom of swale, 6 ft. below ridge, course SE. Asc. 25 ft. to
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- |      |    |   |    |
|------|----|---|----|
| S    | 21 | S | 22 |
| 1915 |    |   |    |
- Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.
- 45.00 Top of ridge, 5 ft. above  $\frac{1}{4}$  sec. cor., bearing N. 10° E.  
and S. 10° W.  
Descend.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in  
the ground, for cor. of secs. 15, 16, 21, and 22, with  
brass cap marked
- |                |    |   |    |
|----------------|----|---|----|
| T 30 S. R. 1 E |    |   |    |
| S              | 16 | S | 15 |
| S              | 21 | S | 22 |
| 1915.          |    |   |    |
- Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.

SUBDIVISION OF T.30 S., R.1 E.

Chains. Corner is 55 ft. below ridge.  
 Land, rolling, mountainous.  
 Soil, gravelly, volcanic stone; 2d rate; average depth  
 1 to 3 ft.

Undergrowth, dense sage and yellow brush; average height  
 1 ft. Good grass for grazing.  
 No timber.

40.00 N. 89° 58' E. on a random line bet. secs. 15 and 22,  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.93 Intersect N. and S. line 2 lks. N. of the cor. of secs. 14, 15  
 22, and 23. Thence

S. 89° 59' W. on true line bet. secs. 15 and 22,  
 Descending over rolling, mountainous land; through dense  
 short undergrowth.

6.10 Bottom of draw, 20 ft. below sec. cor., course N.  
 Ascend.

20.00 Top of ridge, 70 ft. above draw, bearing NE. and SW.  
 Descend.

30.00 Bottom of swale, 10 ft. below top of ridge, course NE.  
 Ascend.

39.96 $\frac{1}{2}$  Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S 15 \\ \frac{1}{4} \\ \hline S 22 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high N. of cor.  
 Corner is 15 ft. above bottom of swale.

48.50 Top of ridge, 25 ft. above  $\frac{1}{4}$  sec. cor., bearing N. and SE.  
 Descend.

56.70 Bottom of draw, 110 ft. below ridge, course N. 30° W. Asc.

76.00 Top of ridge, 80 ft. above draw, bearing N. and S. Desc.

79.93 The cor. of secs. 15, 16, 21, and 22, 10 ft. below ridge.  
 Land, rolling, mountainous.

Soil, gravelly, from 1 to 3 ft. deep; volcanic stone,

SUBDIVISION OF T. 30 S., R. 1 E.

Chains. Undergrowth, sage and yellow brush.  
 Good grass for grazing.  
 No timber. July 2, 1915.

July 3: At 7h 04m a.m.l.m.t., I set off 23° 03' N. on the decl. arc; 38° 11' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 15, 16, 21, and 22. Thence

N. 0° 05' E. bet. secs. 15 and 16,

Descending gradually along west side of ridge; over rolling, mountainous land; through short, scrubby undergrowth.

30.00 Bottom of depression, 60 ft. below sec. cor., course W.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 24 ins. in the ground, and mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 16 | S 15  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is 3 ft. above bottom of depression. Ascend.

45.00 Top of ridge, bearing E. and W. 3 ft. above cor. Desc.

70.00 Bottom of depression, 15 ft. below ridge, drains W.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, with brass cap marked

T 30 S R 1 E  
 S 9 | S 10  
 S 16 | S 15  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is 10 ft. above bottom of depression.

Land; rolling, mountainous.

Soil, gravelly, 1 to 3 ft. deep.

Undergrowth, sage and yellow brush.

No timber.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

- N.89° 59'E.on a random line bet.secs.10 and 15,
- 40.00 Set temp.  $\frac{1}{4}$  sec.cor.
- 79.93 Intersect N.and S.line 5 lks.N.of cor.of secs.10,11,14,  
and 15. Thence  
N.89° 59'W.on true line bet.secs.10 and 15,  
Descending, over rolling, mountainous land; through  
short undergrowth of black sage and yellow brush, and  
scattering bunches of aspen, bearing N.and S.
- 14.73 Leave aspen, bearing N.and S.
- 17.23 Bottom of draw, 125 ft.below sec.cor., course N.10° E.  
Ascend.
- 39.96 $\frac{1}{2}$  Set an iron post 3 ft.long, 1 in.in dia., 6 ins.in the  
ground to solid rock, with mound of stone around post,  
for  $\frac{1}{4}$  sec.cor., with brass cap marked  
$$\begin{array}{r} S\ 10 \\ \frac{1}{4} \\ \hline S\ 15 \\ 1915 \end{array}$$
- Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$  ft.high N.of cor.  
Corner is 120 ft.above draw.  
Ascend abruptly.
- 40.93 Ascend more gradually.
- 49.93 Top of ridge, bearing N.and SW., 5 ft.above  $\frac{1}{4}$  sec.cor.
- 68.63 Old road. bears N.and S.  
Descend gradually to
- 79.93 The cor.of secs.9,10,15, and 16, 50 ft.below ridge.  
Land, rolling, mountainous.  
Soil, rocky, volcanic stone; average depth 1 to 2 ft.  
Undergrowth , black sage and yellow brush.  
Good grass for grazing.  
Timber, scattering bunches of aspen on 14.73 chs.

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N.0° 05'E.bet.secs.9 and 10,  
Descending, over rolling, mountainous land; through dense  
short undergrowth.

5.00 Descend abruptly, bearing N.30° E. and S.30° E.

-34-

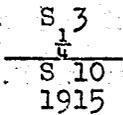
SUBDIVISION OF T.30.S., R.1 E.

- Chains.
- 21.30 Bottom of canon, 115 ft. below sec. cor., course N.30° E.
- 23.20 Old trail bears N.30° E. and S.30° W.  
Ascend.
- 37.70 Top of ridge, bearing E. and W., 70 ft. above bottom of canon. Descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- |                   |      |
|-------------------|------|
| $\frac{1}{4}$ S 9 | S 10 |
| 1915              |      |
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 50.60 Bottom of swale, 25 ft. below  $\frac{1}{4}$  sec. cor., course E.  
Ascend.
- 69.00 Top of ridge, 50 ft. above swale, bears E. and W. Descend.  
July 3, 1915: At this point I set off 23° 01' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 13' N.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, with brass cap marked
- |              |           |
|--------------|-----------|
| T 30 S R 1 E | S 4   S 3 |
| S 9          | S 10      |
| 1915         |           |
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner falls in bottom of swale, 35 ft. below ridge,  
course S.80° E.
- Land, rolling, mountainous.  
Soil, rocky, volcanic stone; average depth 2 ft.  
Undergrowth, sage, yellow, bitter, and deer brush.  
Good grass for grazing.  
No timber.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
S.89° 59' E. on a random line bet. secs. 3 and 10,

SUBDIVISION OF T.30 S., R.1 E.

Chains.  
 80.00 Intersect N.and S.line 2 lks.S.of the cor.of secs.2,3,  
 10, and 11. Thence  
 West, on true line bet.secs.3 and 10,  
 Descending through dense short undergrowth.  
 26.00 N.edge of rocky canon, bearing N.80° W. and S.80° E.  
 35.00 Leave rocky canyon, bearing N.80° E. and S.80° W.  
 40.00 Set an iron post 3 ft.long, 1 in.in dia., 12 ins.in the  
 ground, to solid rock, with mound of stone around post,  
 for  $\frac{1}{4}$  sec.cor., with brass cap marked.



Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high N.of cor .  
 Ascend.  
 55.00 Top of ridge, 20 ft.above  $\frac{1}{4}$  sec.cor., bearing N.and S.  
 Descend.  
 63.55 Road, in bottom of depression, bearing N.and S., 10 ft.  
 below ridge. Depression drains S.  
 Ascend 60 ft.to  
 80.00 The cor.of secs.3,4,9, and 10.  
 Land, rolling, mountainous.  
 Soil, rocky, volcanic stone.  
 Undergrowth, sage, bitter, yellow, and deer brush, av-  
 erage height 2 ft. Good grass for grazing.  
 Timber, few scattering aspen and cedar in canon.

N. 0° 05'E.on random line bet.secs.3 and 4,  
 40.00 Set temp. $\frac{1}{4}$  sec.cor.  
 73.60 Intersect N.bdy.of Tp. 34 lks.west of the cor.of secs.  
 3,4,33, and 34, heretofore described. in retracement  
 of N.bdy.of Tp. Thence  
 S.0° 21'W.on true line bet.secs.3 and 4,  
 Descending, over rolling mountainous land; through dense  
 undergrowth.  
 6.00 Bottom of broad swale, 15 ft.below sec.cor., course NE.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

Ascend.

30.90 Top of ridge, 95 ft. above sec. cor., bearing NW. and SE. De

33.60 Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

1/4 S 4 | S 3

1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Corner is 10 ft. below top of ridge.

43.60 Center of broad swale, 30 ft. below 1/4 sec. cor. course E.

48.30 Enter dense grove of aspens bearing E. and W.

50.10 Leave dense grove of aspens, bearing E. and W. Ascend.

51.60 Top of ridge, 25 ft. above bottom of swale, bearing NW. and SE.

Descend, 65 ft. to

73.60 The cor. of secs. 3, 4, 9 and 10.

Land, rolling, mountainous.

Soil, rocky, average depth 1 to 2 ft.; 3d rate.

Undergrowth, dense sage, yellow brush, average height 1 ft. Good grass for grazing.

Timber, dense aspen on 1.80 chs.

July 3, 1915.  
*Scott Stewart*  
U.S. Surveyor

July 2, 1915: At 9h 04m a.m. l.m.t., I set off 23° 06' N. on the decl. arc; 38° 09' N. on the lat. arc; and determine a meridian with the solar at the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp., heretofore described. Thence

N. 0° 04' E. bet. secs. 32 and 33,

Over rolling, mountainous land; through sage and yellow brush; gravelly and clay loam soil. Descend.

3.90 Bottom of draw, 8 ft. below standard sec. cor., course W. Ascend.

18.43 Top of ridge, 95 ft. above standard sec. cor., bearing NE.

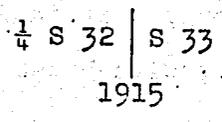
SUBDIVISION OF T.30 S., R.1 E.

Chains. and SW.

Descend.

39.29 Bottom of small wash, 4 ft. deep, 30 lks. wide, drains west.

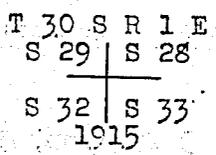
40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

53.19 Bottom of wash in draw, 3 ft. deep, 40 lks. wide, 40 ft. below 1/4 sec. cor., course NE. Ascend.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Corner is 20 ft. above draw.

Land, rolling, mountainous.

Soil, gravelly loam.

Undergrowth, sage and yellow brush.

No timber.

East on a random line bet. secs. 28 and 33,

40.00 Set temp. 1/4 sec. cor.

80.04 Intersect N. and S. line at the cor. of secs. 27, 28, 33 and 34.

July 2, 1915: At this cor. I set off 239.06' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 10' N.

Thence

West on a true line bet. secs. 28 and 33,

Over rolling, mountainous land; through black sage and yellow brush; soil, gravelly and rocky clay loam, 1

SUBDIVISION OF T.30 S., R.1 E.

Chains.

to 3 or 4 ft. deep. Ascending.

2.80 Top of ridge, 7 ft. above sec. cor., bearing N. and S. Descend.

21.78 Bottom of small wash, 59 ft. below ridge, course N.

36.98 Recross wash, 70 ft. below ridge, course SW.

40.02 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S\ 28 \\ \frac{1}{4} \\ \hline S\ 33 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Corner is 76 ft. below top of ridge. Ascend.

43.60 Ridge, 6 ft. above  $\frac{1}{4}$  sec. cor., bearing NE. and SW. Descend.

62.64 Bottom of wash, 92 ft. below  $\frac{1}{4}$  sec. cor., course NW.

64.95 Point of spur, projects N.

68.34 Bottom of wash, in draw, 3 ft. deep, 30 lks. wide, 7 ft. below spur, course N. Ascend.

80.04 The cor. of secs. 28, 29, 32, and 33. 25 ft. above wash. Land, rolling, mountainous. Soil, gravel, and rocky clay loam. Undergrowth, sage and yellow brush. No timber.

N. 0° 04' E. bet. secs. 28 and 29,

Over rolling, mountainous land, covered with black sage, yellow brush, and bunch grass.

6.00 Top of spur, 7 ft. above sec. cor., projects E. Descend.

12.00 Bottom of swale, 5 ft. below sec. cor., course E. Ascend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

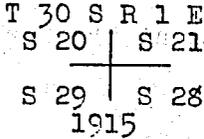
$$\frac{1}{4} S\ 29 \mid S\ 28$$

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

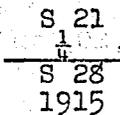
SUBDIVISION OF T.30 S., R.1 E.

- Chains. Corner is on ridge, 13 ft. above swale, bearing NE: and SW. Descend.
- 65.00 Small swale, 13 ft. below  $\frac{1}{4}$  sec. cor., course N.5° W. Ascend.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 20, 21, 28, and 29, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Land, rolling, mountainous.  
 Soil, clay loam and gravel.  
 Undergrowth, black sage and yellow brush, and bunch grass.  
 No timber.

- 40.00 East on a random line bet. secs. 21 and 28, Set temp.  $\frac{1}{4}$  sec. cor.
- 80.08 Intersect N. and S. line 4 lks. N. of the cor. of secs. 21, 22, 27, and 28. Thence N. 89° 58' W. on true line bet. secs. 21 and 28, Over rolling mountainous land; through black sage and yellow brush. Ascending.
- 9.72 Ridge, 24 ft. above sec. cor., bearing N.15° E. and S.15° W. Descend 125 ft. to
- 40.04 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

- 40.17 Draw, course N. Ascend.
- 55.08 Ridge, 89 ft. above draw, bearing N. and S. Descend.
- 80.08 The cor. of secs. 20, 21, 28, and 29, 40 ft. below ridge.  
 Land, rolling, mountainous.  
 Soil, gravelly and rocky loam.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

Undergrowth, black sage and yellow brush.

No timber.

July 2, 1915.

July 3: At 8h 04m a.m. l.m.t., I set off 23° 02' N. on the decl. arc; 35° 10' N. on the lat. arc, and determine a meridian with the solar at the cor. of secs. 20, 21, 28, and 29. Thence

N. 0° 04' E. bet. secs. 20 and 21,

Over rolling mountainous land covered with black sage, yellow brush, sagebrush.

28.39 Bottom of wash in draw, 3 ft. deep, 20 lks. wide, 33 ft. below sec. cor., course W.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 20 | S 21  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Corner is 55 ft. below sec. cor.

50.00 Bottom of wash in draw, 2 ft. deep, 40 lks. wide, 10 ft. below 1/4 sec. cor., course N. 25° E.

Ascend.

71.99 Top of spur, 33 ft. above draw, projects N. 85° E.

Descend.

78.29 Bottom of wash in draw, 2 ft. deep, 4 ft. wide, course S. 80° E. Ascend.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 16, 17, 20, and 21, with brass cap marked

T 30 S R 1 E  
S 17 | S 16  
S 20 | S 21  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Corner is 10 ft. above draw.

Land, rolling, mountainous.

SUBDIVISION OF T. 30 S., R. 1 E.

Chains.

Soil, gravel and rocky clay loam.  
Undergrowth, sage and yellow brush.  
No timber.

S. 89° 58' E. on a random line bet. secs. 16 and 21,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.07 Intersect N. and S. line at the cor. of secs. 15, 16, 21,  
and 22. Thence

N. 89° 58' W. on true line bet. secs. 16 and 21,

Over rolling, mountainous land, covered with black sage  
and yellow brush. Descending.

17.53 Bottom of wash in draw, 2 ft. deep, 40 lks. wide, 108 ft.  
below sec. cor., course N.

Ascend.

40.03  $\frac{1}{2}$  Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S. 16  
 $\frac{1}{4}$   
S. 21  
1915

Raise a mound of stone 2 ft. base, 1  $\frac{1}{2}$  ft. high N. of cor.

51.14 Top of ridge, 82 ft. above draw, bearing N. and S.  
Descend.

66.19 Bottom of wash in draw, 2 ft. deep, 30 lks. wide, course  
N., 70 ft. below ridge.

Ascend 50 ft. to

80.07 The cor. of secs. 16, 17, 20, and 21.

Land, rolling, mountainous.

Soil, gravel, and rocky clay loam.

Undergrowth, black sage and yellow brush.

No timber.

July 3, 1915: At this cor. I set off 23° 01' N. on the  
decl. arc; and at apparent noon observe the sun on the  
meridian; the resulting lat. is 38° 12' N.

SUBDIVISION OF T.30 S.1, R.1 E.

Chains.	N.0° 04'E. bet. secs. 16 and 17, Over rolling mountainous land, covered with sage and yellow brush. Ascending.
5.00	Point of spur, projecting S.30° E., 6 ft. above sec. cor. Descend.
7 + 12.00	Begin ascent.
25.60	Top of small spur, projecting S.80° E., 22 ft. above sec. cor. Descend.
31.70	Bottom of swale, 8 ft. below top of spur, course E. Ascend.
38.80	Top of spur, 20 ft. above swale, projects E. Descend.
40.00	Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{c} \frac{1}{4} \text{ S } 17 \quad   \quad \text{S } 16 \\ \hline 1915 \end{array}$
	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Corner is 2 ft. below top of spur.
53.80	Bottom of swale, 16 ft. below $\frac{1}{4}$ sec. cor., course E. Ascend.
57.70	Point of spur, 14 ft. above swale, projects E. Descend.
62.90	Bottom of draw, 5 ft. below spur, course S.75° E. Ascend.
78.00	Top of spur, 18 ft. above draw, projects S.85° E.
80.00	Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, with brass cap marked $\begin{array}{c} \text{T } 30 \text{ S } 1 \text{ R } 1 \text{ E} \\ \text{S } 8 \quad   \quad \text{S } 9 \\ \hline \text{S } 17 \quad   \quad \text{S } 16 \\ \hline 1915 \end{array}$
	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Corner same elevation as spur; set in slight depression. Land, rolling, mountainous. Soil, gravel and clay loam. Undergrowth, sage and yellow brush.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

No timber.

S.89° 58'E.on random line bet.secs.9 and 16,

40.00 Set temp.  $\frac{1}{4}$  sec.cor.

80.02 Intersect N.and S.line 9 lks.S.of the cor.of secs.9,10,  
15, and 16. Thence

S.89° 58'W.on true line bet.secs.9 and 16,

Over rolling, mountainous land, covered with sage and  
yellow brush; descending.

7.02 Bottom of draw, 44 ft.below sec.cor., course N.20° W.  
Ascend.

11.10 Top of ridge, 20 ft.above draw, bearing N.and S.  
Descend.

18.99 Bottom of wash, in draw, 2 ft.deep, 20 lks.wide, course  
N., 66 ft.below top of ridge.  
Ascend.

31.34 Top of ridge,100 ft.above draw,bearing S.15° W. and N.  
15° E. Descend.

37.02 Bottom of draw, 46 ft.below top of ridge, course S.15°  
W. Ascend.

40.01 10 ft.above bottom of draw,  
Set an iron post 3 ft.long, 1 in.in dia., 12 ins.in the  
ground, to solid rock, with mound of stone around  
post, for  $\frac{1}{4}$  sec.cor., with brass cap marked

S 9  
 $\frac{1}{4}$   
S 16  
1915

Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$  ft.high N.of cor.  
Ascend 95 ft. to

80.02 The cor.of secs.8,9,16, and 17.

Land, rolling, mountainous.

Soil, clay loam, rocks and gravel.

Undergrowth, sage and yellow brush.

No timber.

July 3, 1915.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

July 6, 1915: At 8h 04m a.m. l.m.t., I set off 38° 13' N. on the lat. arc; 22° 47' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 8, 9, 16, and 17. Thence

N. 0° 04' E. bet. secs. 8 and 9,

Over rolling mountainous land, covered with sage and yellow brush. Ascending.

34.96 Top of ridge, 88 ft. above sec. cor., bears E. and W.

40.00 Set an iron post 3 ft., long, 1 in. in dia., 22 ins. in the ground, to solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 8 | S 9

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Descend.

57.53 Bottom of wash in draw, 87 ft. below top of ridge, course E. Wash 4 ft. deep, 20 lks. wide.

Ascend.

63.80 Top of spur, 85 ft. above bottom of draw, bears E. and W. Descend/

68.76 Swale, 40 ft. below top of spur, course E.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, with brass cap marked

T 30 S R 1 E

S 5 | S 4

S 8 | S 9

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Land, rolling, mountainous.

Soil, rocky, dry loam.

Undergrowth, sage, yellow brush and grass.

No timber.

N. 89° 58' E. on a random line bet. secs. 4 and 9,

SUBDIVISION OF T.30 S., R.1 E.

- Chains.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Intersect N. and S. line 6 lks. S. of the cor. of secs. 3, 4, 9, and 10. Thence  
S.  $89^{\circ} 56' W.$  on true line bet. secs. 4 and 9,  
Over rolling mountainous land; ascending through sage  
and yellow brush.
- 9.60 Ridge, 100 ft. above sec. cor., bearing N. and S.  
Descend.
- 18.21 Small draw, 33 ft. below ridge, course S.  
Ascend gradually along E. slope of ridge.
- 35.80 Top of gradual ascent; thence more abrupt ascent to
- 37.60 Ridge, 116 ft. above draw, bearing N. and S.
- 40.05 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- |  |   |
|--|---|
| S  | 4 |
| $\frac{1}{4}$                              |   |
| <hr style="width: 50px; margin: 0 auto;"/> |   |
| S  | 9 |
| 1915                                       |   |
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
Descend.
- 46.85 Draw, 25 ft. below  $\frac{1}{4}$  sec. cor., course SW.  
Ascend ridge.
- 52.14 Top of ridge, 34 ft. above draw; bearing NE. and SW.  
Descend from ridge.
- 75.10 Foot of ridge. bearing NE. and SW.
- 75.11 Bottom of draw, 86 ft. below ridge. course SE.  
Ascend 20 ft. to
- 80.10 The cor. of secs. 4, 5, 8, and 9.  
Land, rolling, mountainous.  
Soil, rocky clay loam, and volcanic rock.  
Undergrowth, sage, yellow brush, and grass.  
No timber.

Note: Knowing from the retracement of the N. bdy. of the  
Tp., that I shall not intersect said boundary within

SUBDIVISION OF T.30 S., R.1 E.

Chains. allowable limit, I run  
 North, on true line bet. secs. 4 and 5,  
 Over rolling mountainous land; through sagebrush and  
 grass.

11.70 Bottom of small wash, 10 ft. below sec. cor., course S. 50°  
 Ascend. 20 ft. to

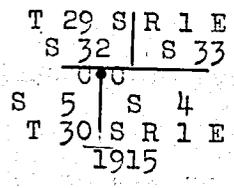
40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
 $\frac{1}{4}$  S 5 | S 4  
 1915

42.70 Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Bottom of small wash, 20 ft. below  $\frac{1}{4}$  sec. cor., course S.  
 75° E. Ascend.

68.20 Bottom of small wash, 36 ft. above  $\frac{1}{4}$  sec. cor., course E.  
 Ascend.

73.68 Intersect N. bdy. of Tp. 60 lks. W. of the cor. of secs. 4, 5,  
 32, and 33, heretofore described.

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the  
 ground, for closing cor. of secs. 4 and 5, with brass  
 cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high S. of cor.  
 I destroy all marks on the cor. set for cor. of secs. 4, 5,  
 32, and 33, that pertain to secs. 4 and 5.

Land, rolling, mountainous.  
 Soil, gravel and clay loam.  
 Undergrowth, sagebrush and grass.  
 No timber.

July 6, 1915: At this cor. I set off 22° 46' N. on the  
 decl. arc; and at apparent noon, observe the sun on  
 the meridian; the resulting lat. is 38° 15' N.

*Edward N. Thompson* U.S. Transitman.

## SUBDIVISION OF T.30 S., R.1 E.

Chains.

July 6, 1915: At 7h 04m a.m. l.m.t., I set off  $38^{\circ} 09'$  on the lat. arc;  $22^{\circ} 47' N.$  on the decl. arc; and determine a meridian with the solar at the standard cor. of secs. 31 and 32, on the S. bdy. of Tp., heretofore described. Thence

$N. 0^{\circ} 04' E.$  bet. secs. 31 and 32,

Descending gradually over rolling, mountainous land, over volcanic rocks, and through dense short undergrowth.

8.50 Bottom of rocky draw, 30 ft. below sec. cor., course N.

13.90 Leave draw, 15 ft. below sec. cor., course  $N. 20^{\circ} E.$   
Ascend.

22.00 Top of spur, 10 ft. above draw, bearing E. and W.  
Descend.

26.00 Bottom of swale, 5 ft. below ridge, course E., joins last named draw, 150 lks. E. Ascend. 45 ft. to

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 31		S 32
1915		

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

50.00 Top of ridge, 10 ft. above  $\frac{1}{4}$  sec. cor. bears E. and W. Desc.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 29, 30, 31, and 32, with brass cap marked

T 30 S R 1 E
S 30   S 29
S 31   S 32
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Corner is in depression 45 ft. below ridge, draining E.

Land, rolling, mountainous.

Soil, rocky, average depth 1 to 2 ft., volcanic stone.

Undergrowth, sage and yellow brush, average height 1 ft. Good grass for grazing.

No timber.

SUBDIVISION OF T.30 S., R.1 E.

Chains. The cor. of secs. 28, 29, 32, and 33, being plainly visible,  
 I run  
 East on a random line bet. secs. 29 and 32, for distance  
 only,  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.90 Intersect N. and S. line at the cor. of secs. 28, 29, 32, and  
 33. Thence  
 West on true line bet. secs. 29 and 32,  
 Over rolling, mountainous land; through dense short un-  
 dergrowth. Ascending.  
 24.00 Top of ridge, 80 ft. above sec. cor., bearing N. and S.  
 Descend, 20 ft. to  
 39.95 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$$\begin{array}{r} S. 29 \\ \frac{1}{4} \\ \hline S. 32 \\ 1915 \end{array}$$
  
 51.50 Bottom of ravine, 40 ft. below  $\frac{1}{4}$  sec. cor., course N. 20°  
 Ascend.  
 56.00 Top of ridge, 10 ft. above ravine, bearing N. and S.  
 Descend.  
 66.20 Bottom of draw, 15 ft. below ridge, course N.  
 Thence along depression.  
 79.90 The cor. of secs. 29, 30, 31 and 32, 60 ft. above draw.  
 Land, rolling, mountainous.  
 Soil, gravelly, volcanic stone, average depth 1 to 3 ft.  
 Undergrowth, sage and yellow brush.  
 Good grass for grazing.  
 No timber.  
 July 6, 1915: At this cor. I set off 22° 46' N. on the decli-  
 arc; and at apparent noon observe the sun on the me-  
 ridian; the resulting lat. is 38° 09' N.

26.36 West on a random line bet. secs. 30 and 31,  
 Intersect W. bdy. of Tp. 1 lk. N. of the cor. of secs. 25, 30,

SUBDIVISION OF T.30 S., R.1 E.

Chains.

31 and 36, which is an iron post, 4 ins. in dia., firmly set and marked and witnessed as described by the surveyor general. U.S. Forest Reserve Bdy. post No. 124.

Thence N. 89° 59' E. on a true line bet. secs. 30 and 31,

Descending, over rolling mountainous land; through dense undergrowth.

6.16 Bottom of rocky draw, 30 ft. below sec. cor., course NE. Ascend.

16.36 Top of ridge, 20 ft. above draw, bearing N. 20° E. and S. Descend 40 ft. to

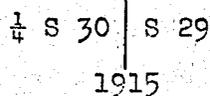
26.36 The cor. of secs. 29, 30, 31, and 32. Land, rolling, mountainous. Soil, rocky, 1. to 2 ft. deep; volcanic stone. Undergrowth, sage and yellow brush, average height 2 ft. No timber. Good grass for grazing.

N. 0° 04' E. bet. secs. 29 and 30, Ascending, over rolling, mountainous land; through dense undergrowth.

5.00 Top of ridge, 10 ft. above sec. cor., bearing E. and S. 60° W. Descend.

20.40 Bottom of rocky draw, 30 ft. below ridge, course NE. Ascend, 35 ft. to

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

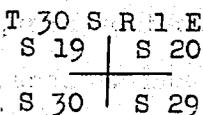
45.00 Top of ridge, 5 ft. above 1/4 sec. cor., bearing E. and W. Desc.

55.00 Bottom of depression, 20 ft. below ridge, drains E. Asc.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 19, 20, 29, and 30, with brass cap mkd.

SUBDIVISION OF T.30 S., R.1 E.

Chains.



1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Corner 15 ft. above depression.

Land, rolling, mountainous.

Soil, rocky, 1 to 2 ft. deep, volcanic stone.

Undergrowth, yellow brush, average height 2 ft.

Good grass for grazing.

No timber.

East on a random line bet. secs. 20 and 29,

40.00 Set temp. 1/4 sec. cor.

79.90 Intersect N. and S. line at the cor. of secs. 20, 21, 28 and 29

Thence

West on a random line bet. secs. 20 and 29,

Over rolling mountainous land; through dense undergrowth.

4.30 Trail in bottom of swale, 25 ft. below sec. cor., bears

N. and S.; course of swale N. 20° W.

Ascend.

7.70 Top of ridge, 2 ft. above swale, bearing N. and S.

Descend.

12.20 Bottom of swale, 10 ft. below ridge, course NE.

Ascend. 50 ft. to

39.95 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S 20

1/4

S 29

1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.

Ascend. 135 ft. to

79.90 The cor. of secs. 19, 20, 29, and 30.

Land, rolling, mountainous.

Soil, gravelly, volcanic stone, average depth 1 to 3 ft.

Undergrowth, yellow brush, average height 1 ft.

Good grass for grazing.

SUBDIVISION OF T.30 S., R. 1 E.

Chains.

No timber.

July 6, 1915.

July 7, 1915: At 8h 05m a.m. l.m.t., I set off 38° 10' N. on the lat. arc; 22° 41' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29, and 30. Thence

S. 89° 59' W. on random line bet. secs. 19 and 30,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

26.43 Intersect W. bdy. of Tp. 3 lks. N. of the cor. of secs. 19, 24, 25, and 30, which is an iron post, 4 ins. in dia., set in mound of stone, marked and witnessed as described by the surveyor general. U.S. Forest Reserve Bdy. post No. 123.

Thence

N. 89° 55' E. on true line bet. secs. 19 and 30,

Descending over rolling, mountainous land; through dense undergrowth.

26.43 The cor. of secs. 19, 20, 29, and 30.

Land, rolling, mountainous.

Soil, rocky, 1 to 2 ft. deep, volcanic stone.

Undergrowth, dense sage and yellow brush, average height 2 ft. Good grass for grazing.

No timber.

N. 0° 04' E. bet. secs. 19 and 20,

Ascending gradually, over rolling mountainous land; through dense short undergrowth.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 19 | S 20

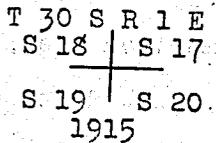
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner is 100 ft. above sec. cor.

SUBDIVISION OF T.30 S., R.1 E.

X

Chains. Ascend.  
 65.00 Top of ridge, 105 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W. Descend.  
 69.30 Enter dense aspen timber, bearing E. and W. Descend.  
 73.90 Bottom of depression, 10 ft. below ridge, drains E. Ascend.  
 78.70 Top of ridge, 20 ft. above depression, bearing E. and W. Descend 20 ft. to  
 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 18 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 17, 18, 19, and 20, with brass cap mkd.



from which

- An aspen 12 ins. in dia., bears N.15° 15'E. 56 lks. dist., marked T 30 S R 1 E S 17 B T
- An aspen 8 ins. in dia., bears S.39° 45'E. 52 lks. dist., marked T 30 S R 1 E S 20 B T
- An aspen 10 ins. in dia., bears S.40° W., 54 lks. dist., marked T 30 S R 1 E S 19 B T
- An aspen 12 ins. in dia., bears N.66° W., 59 lks. dist., marked T 30 S R 1 E S 18 B T

Land, rolling, mountainous.  
 Soil, rocky, volcanic stone, 1 to 2 ft. deep.  
 Undergrowth dense sage and yellow brush.

Timber dense aspen on 10.70 chs.  
 July 7, 1915: At this cor. I set off 22° 40' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 38° 11' N.

40.00 East on random line bet. secs. 17 and 20, Set temp.  $\frac{1}{4}$  sec. cor.  
 79.87 Intersect N. and S. line 2 lks. N. of the cor. of secs. 16, 17, 20, and 21. Thence N. 89° 59' W. on true line bet. secs. 17 and 20,

SUBDIVISION OF T.30 S., R.1 E.

Chains. Descending over rolling mountainous land; through dense undergrowth.

1.57 Bottom of swale, 10 ft. below sec. cor., drains SE. Ascend.

27.97 Top of ridge, 85 ft. above swale, bearing N. and S. Descend.

39.93 1/2 Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the ground, to solid rock, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

S 17  
1/4  
S 20  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Corner 15 ft. below top of ridge.

43.17 Bottom of swale, 20 ft. below 1/4 sec. cor., course S. 30° E.

75.57 Enter aspen timber bearing NW. and SE.

79.87 The cor. of secs. 17, 18, 19, and 20, 275 ft. above swale.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 2 ft. deep.

Undergrowth dense sage and yellow brush, and bitter brush. Good grass for grazing.

Timber, aspen, on 4.30 chs.

S. 89° 55' W. on random line bet. secs. 18 and 19,

40.00 Set temp. 1/4 sec. cor.

26.55 Intersect W. bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, which is an iron post, 4 ins. in dia., 18 ins. above ground, marked and witnessed as described by the surveyor general. U.S. Forest Reserve Bdy. post No. 122.

Thence

N. 89° 55' E. on true line bet. secs. 18 and 19,

Descending over rolling mountainous land; through scrubby sage and yellow brush.

5.55 Bottom of depression, 10 ft. below sec. cor., course S. Ascend.

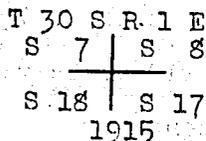
19.75 Enter dense aspen timber bearing N. and S.

SUBDIVISION OF T.30 S., R.1 E.

Chains. 20.55	Top of ridge, 40 ft. above depression bearing NW. and S. Knoll 2 chs. S. of line.
26.55	Thence descending abruptly, through black rocks, scattering undergrowth, and heavy aspen timber to The cor. of secs. 17, 18, 19, and 20, 130 ft. below ridge. Land rolling, mountainous. Soil, rocky, volcanic stone, average depth 1 to 2 ft. Undergrowth, scrubby sage and yellow brush, Good grass for grazing. Timber, dense aspen on 6.80 chs.
1.40	N. 0° 04' E. bet. secs. 17 and 18, Descending gradually, over mountainous land; through aspen timber and short undergrowth.
3.00	South side of old sheep corral bearing E. and W. North side of same corral, about 3.00 chs. E. and W. Claimant unknown.
14.10	Bottom of swale, 50 ft. below sec. cor., course E. Ascend.
16.30	Top of ridge, 15 ft. above swale, bearing N. 70° E. and S. 70° W. Descend.
26.10	Bottom of draw, 65 ft. below ridge, course S. 70° E. Ascend.
27.20	Leave aspen timber, bearing E. and W.
40.00	Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} \frac{1}{4} \text{ S } 18 \text{ }   \text{ } \text{ S } 17 \\ \hline 1915 \end{array}$
71.50	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Top of ridge, 205 ft. above $\frac{1}{4}$ sec. cor., bearing NW. & SE. Desc.
74.00	Enter scattering aspen timber, bearing E. and W.
80.00	Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 7, 8, 17, and 18, with brass cap marked

SUBDIVISION OF T.30 S, R.1 E.

Chains.



from which

An aspen, 10 ins.dia., bears N.58° 45'E.123 lks. dist., marked T 30 S R 1 E S 8 B T

An aspen 12 ins.dia., bears S.50° 30'E. 128 lks. dist., marked T 30 S R 1 E S 17 B T

An aspen 4 ins.diam., bears S.60° 30'W. 144 lks. dist., marked T 30 S R 1 E S 18 B T

An aspen 10 ins.dia. bears N.60° W: 146 lks.dist. marked T 30 S R 1 E S 7 B T

Land, mountainous:

Soil, gravelly, volcanic stone; average depth 1 to 3 ft.

Undergrowth, sage and yellow brush.

Timber, aspen. Good grass for grazing.

Sec.cor.stands in depression; 50 ft.below ridge.

July 7, 1915.

July 8, 1915:At 7h 05m a.m.l.m.t., I set off 23° 35'N.on the decl.arc; 38° 12'N.on the lat.arc; and determine a meridian with the solar, at the cor.of secs.7,8,17, and 18. Thence

S.89° 59'E.on a random line bet.secs.8 and 17,

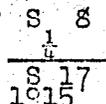
40.00 Set temp.¼ sec. cor.

79.86 Intersect N.and S.line 5 lks.N.of the cor.of secs.8,9, 16, and 17. Thence

N.89° 57'W.on true line bet.secs.8 and 17,

Ascending over rolling mountainous land; through dense undergrowth.

39.93 Set an iron post 3 ft.long, 1 in.in dia., 6 ins.in the ground, to solid rock, with mound of stone around post, for ¼ sec. cor., with brass cap marked



-56-

SUBDIVISION OF T.30 S., R.1 E.

- Chains. Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Corner stands on top of ridge, bearing NW. and SE., 240 ft. above sec. cor. Descend.
- 47.16 Bottom of swale, 10 ft. below  $\frac{1}{4}$  sec. cor., course S.  $20^{\circ}$  E. As
- 49.86 Enter scattering aspen timber, bearing NW. and SE.
- 65.86 Enter dense aspen timber, bearing N. and S.  
Ascend.
- 74.26 Top of spur, projects N., 240 ft. above swale.  
Descend.
- 76.86 Bottom of depression, 10 ft. below spur, drains N.  $20^{\circ}$  E.  
Ascend.
- 78.86 Leave dense aspen timber, bearing N. and S.
- 79.86 The cor. of secs. 7, 8, 17, and 18, 20 ft. above depression.  
Land, rolling, mountainous.  
Soil, rocky, volcanic stone; average depth 1 to 2 ft.  
Undergrowth, dense sage, yellow, and bitter brush; average height 2 ft.  
Good grass for grazing.  
Timber, aspen.
- 
- 26.65 S.  $59^{\circ} 55'$  W. on random line bet. secs. 7 and 18,  
Intersect W. bdy. of Tp. 9 lks. N. of the cor. of secs. 7, 12, 13, and 18, which is an iron post 4 ins. in dia., 24 ins. above ground, marked and witnessed as described by the surveyor general. U.S. Forest Reserve Bdy. post No. 121. Thence  
N.  $89^{\circ} 43'$  E. on true line bet. secs. 7 and 18,  
Over rolling, mountainous land; through dense undergrowth.  
Descend.
- 15.05 Bottom of swale, 10 ft. below sec. cor., course NW.  
Ascend.
- 22.25 Top of ridge, 35 ft. above swale, bearing N. and S.  
Descend.
- 24.15 Enter aspen timber, bearing N. and S.
- 26.65 The cor. of secs. 7, 8, 17, and 18, 55 ft. below ridge.  
Land, rolling, mountainous.

SUBDIVISION OF T.30 S., R.1 E.

Chains.

Soil, rocky, volcanic stone, average depth 1 to 2 ft.  
Undergrowth, dense sage, yellow, and bitter brush; average height 2 ft. Good grass for grazing.  
Timber aspens.

N.0° 04'E. bet. secs. 7 and 8,  
Ascending gradually, over rolling mountainous land; through dense short undergrowth and aspen timber.

5.80 Top of ridge, 20 ft. above sec. cor., bearing E. and SW.  
Descend.

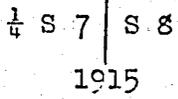
11.40 Bottom of depression, 45 ft. below ridge, course E. Asc.

17.00 Leave aspen timber, bearing E. and W.

22.60 Trail bears NE. and SW.

35.60 Top of ridge, 40 ft. above depression, bearing NE. and W.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner is 10 ft. below ridge.

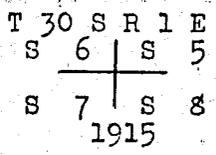
51.00 Head of draw, 75 ft. below  $\frac{1}{4}$  sec. cor., course NE. Ascend.

57.70 Top of ridge, 30 ft. above draw, bearing E. and W.  
Descend.

63.00 Bottom of depression, 10 ft. below top of ridge, course E.  
Ascend.

66.40 Top of ridge, 20 ft. above depression, bearing NE. and SW.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 12 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 5, 6, 7, and 8, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Land, rolling, mountainous.

## SUBDIVISION OF T.30 S., R.1 E.

Chains.	Soil, gravelly, volcanic stone, average depth 1 to 3 ft. Undergrowth, dense sage, average height 1 ft., yellow and bitter brush. Good grass for grazing. Timber, aspen. July 8, 1915: At this cor. I set off $22^{\circ} 33' N.$ on the decl. arc; and at apparent noon observe the sun on the me- ridian; the resulting lat. is $38^{\circ} 13' N.$
40.00	S. $89^{\circ} 57' E.$ on a random line bet. secs. 5 and 8, Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line 12 lks. S. of the cor. of secs. 4, 5, 8, and 9. Thence S. $89^{\circ} 58' W.$ on true line bet. secs. 5 and 8, Ascending over rolling mountainous land, through under- growth about 1 ft. high.
39.95	Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, to solid rock, with mound of stone around post, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{c} S \ 5 \\ \frac{1}{4} \\ \hline S \ 8 \\ 1915 \end{array}$
52.40	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Corner is 210 ft. above sec. cor. Top of ridge, 30 ft. above $\frac{1}{4}$ sec. cor., bearing NE. and S. Descend.
57.50	Bottom of draw, 15 ft. below ridge, course $N. 30^{\circ} E.$ Ascend.
70.90	Top of ridge, 80 ft. above draw, bearing N. and S. Descend.
78.10	Bottom of draw, 10 ft. below ridge, course N. Ascend 15 ft. to
79.90	The cor. of secs. 5, 6, 7, and 8. Land, rolling, mountainous. Soil, rocky, volcanic stone, average depth 1 to 2 ft. Undergrowth, sagebrush, 1 ft. high, yellow brush and

SUBDIVISION OF T.30 S., R.1 E.

Chains.

bitter brush. Good grass for grazing.  
No timber.

26.72

S.89° 43' W. on random line bet. secs. 6 and 7,  
Intersect W. bdy. of Tp. 3 lks. N. of the cor. of secs. 1, 6, 7,  
and 12, which is an iron post 4 ins. in dia., 24 ins.  
above ground, marked and witnessed as described by the  
surveyor general. U.S. Forest Reserve Bdy. post No. 120.

Thence

N.89° 40' E. on true line bet. secs. 6 and 7,

Ascending, over rolling mountainous land; through dense  
short undergrowth.

5.42

Top of ridge, 15 ft. above sec. cor., bearing N. and S.  
Descend.

8.22

Bottom of swale, 2 ft. below top of ridge, course N.  
Ascend.

21.72

Top of ridge, 65 ft. above bottom of swale. bearing N.  
and S.

Descend gradually to

26.72

The cor. of secs. 5, 6, 7, and 8, 25 ft. below ridge.  
Land, rolling, mountainous.

Soil, rocky, volcanic stone, average depth 1 to 2 ft.

Undergrowth, sagebrush, average height 1 ft. and yellow  
brush.

Grass fair for grazing.

No timber.

Note: Knowing from retracement of the N. bdy. of the Tp.  
that a closing cor. for secs. 5 and 6 will be necessary  
against said bdy., I run

North on a true line bet. secs. 5 and 6,

Descending gradually, over rolling mountainous land;  
through dense short undergrowth.

13.50

Enter dense aspen timber, bearing E. and W.

SUBDIVISION OF T.30 S., R.1 E.

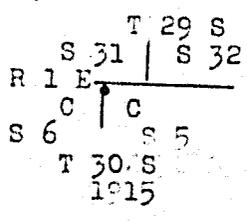
Chains.

- 24.00 Bottom of draw, 150 ft. below sec. cor., course E. Ascend.
- 24.40 Leave aspen timber, bearing E. and W.
- 33.70 Top of ridge, 80 ft. above draw, bearing E. and W. Descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 6 | S 5  
 1915

- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.
- 57.80 Bottom of swale, 60 ft. below  $\frac{1}{4}$  sec. cor., course S.  $50^\circ$  E.
- 71.20 Top of ridge, 105 ft. above swale, bearing SE., and N.  $20^\circ$  W. Descend.
- 71.80 Enter dense aspen timber, bearing E. and W.
- 73.79 Intersect N. bdy. of Tp. 69 lks. W. of the cor. of secs. 5, 6, 31, and 32, heretofore described.

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing cor. of secs. 5 and 6, with brass cap marked



from which

An aspen 12 ins. dia., bears S.  $17^\circ 30'$  E. 54 lks. dist., marked T 30 S R 1 E S 5 B T

An aspen 6 ins. dia., bears S.  $53^\circ$  W. 42 lks. dist. marked T 30 S R 1 E S 6 B T

I destroy the marks on the post and bearing trees, for cor. of secs. 5, 6, 31 and 32, pertaining to secs. 5 and 6.

Land, rolling, mountainous.  
 Soil, gravelly, average depth 1 to 3 ft., volcanic stone.  
 Undergrowth, sage, yellow, and bitter brush.  
 Timber, dense aspen on 1.99 chs. Good grass for grazing.

July 8, 1915.

*Scott P. Stewart*  
 U.S. Surveyor.

BOUNDARIES OF T.30 S., R.1 E.

Latitudes, Departures, and Closing Errors.

Lines Designated	True Bearing	Distance chs.	Latitudes, Departures.			
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary	West	426.21	.....	.....	.....	426.21
West Boundary	North	474.03	474.03	.....	.....	.....
North Boundary	East	426.94	.....	.....	426.94	.....
East Boundary.	S.0° 07'W.	473.67	.....	473.67	.....	.97
Convergency					.51	
T o t a l s			474.03	473.67	427.45	427.18
Errors in lat. and dep.			473.67		427.18	
			.36		.27	

GENERAL DESCRIPTION.

This township consists mostly of rolling, mountainous land; and the soil ranges from a heavy, clay loam, to a rocky volcanic formation. It is covered with black sage, yellow, and bitter brush, and bunch grass, affording good grazing.

There is no water in the township, except a small seep in the SE $\frac{1}{4}$  of section 2, not visible from line, which furnishes about 10 gallons of water daily.

There are a few scattering aspens and scrub cedars in the eastern portion of the township; and several small groves of aspen timber in the western portion.

The township has a general drainage toward the north and east; and is chiefly valuable for grazing.

The only improvement within the township consists of a sheep corral, situated in the southern portion of sections 17 and 18; owner unknown.

There is an old road leading into the township from the northeast, which has evidently been used only for hauling supplies for sheepmen and cattlemen.

GENERAL DESCRIPTION T. 30 S., R. 1 E.

There are no settlers in the township. We found no indications of coal or other mineral in the township.

*Scott V. Stewart*  
U.S. Surveyor.

*Edward M. Thompson*  
U.S. Transitman.

**Volume  
#  
R0422**



FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final oath of U.S. Surveyor and final certificate of U.S. Transit  
man see book "J" T.27 S., R.1 E.

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 26, 1917

The foregoing field notes of the survey of retracement of the north boundary  
and survey of the subdivision of Township No. 30 South, Range No. 1  
East, of the Salt Lake Base and Meridian, Utah,

executed by \_\_\_\_\_ Scott P. Stewart and Edward N. Thompson  
their  
under his special instructions dated \_\_\_\_\_ May 4 \_\_\_\_\_, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements and surveys they describe, are hereby approved.

*[Signature]*  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

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# FIELD NOTES

OF THE SURVEY OF THE

RETRACEMENT AND RESURVEY OF THE SALT LAKE MERIDIAN

TOWNSHIP NO. 29 SOUTH, BETWEEN RANGES NOS. 1 EAST AND 1 WEST,

AND  
SURVEY OF THE

SUBDIVISION OF TOWNSHIP NO. 29 SOUTH, RANGE NO. 1 EAST,

Of the SALT LAKE BASE AND Meridian,

in the State of U T A H

EXECUTED BY

SCOTT P. STEWART AND EDWARD N. THOMPSON

and U.S. Transitman  
in the capacity of U. S. Surveyor, under instructions dated May 4, 1914,

issued by the United States Surveyor General to govern surveys included in

Group No. 27, which were approved by the Commissioner of the General Land

Office, May 29, 1914; assignment instructions issued by the

Assistant Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced July 7, 1915

Survey completed July 19, 1915.

BOOK A-422

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<u>309</u>		381	380	377	382	339
<u>311</u>	7	379	383	380	388	328
<u>308</u>		378	377	382	379	326
<u>312</u>	18	376	361	378	386	325
<u>308</u>		376	374	360	377	325
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Township 29 S, Range 1 E

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## RETRACEMENT OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Survey commenced July 9, 1915, and executed with a Young & Sons light mountain transit, No. 8584, with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

Local mean time was used for all observations.

The instrument was approved by the Assistant Supervisor of Surveys, May 6, 1915, conditional upon satisfactory field tests.

I examine the adjustments of the transit, and correct the level and collimation errors; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

July 9, 1915: At the cor. of secs. 13, 18, 19 and 24, on the Salt Lake Meridian, T. 29 S., R. 1 E., which is a trachyte 10 x 12 x 8 ins., above ground, marked 3 notches on N. and S. and 6 notches on E. and W. edges, firmly set, with no accessories, latitude  $38^{\circ}17'N.$ , longitude  $111^{\circ}54'W.$ , I set off  $38^{\circ}17'N.$  on the lat. arc;  $22^{\circ}25'30''N.$  on the decl. arc; and at 5h 05m p.m., l.m.t., determine with the solar a meridian and mark a point thereof by a tack in a stake driven in the ground 5 chs. N. of the cor.

July 9, 1915.

July 10, 1915: At 0h 26m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a stake driven in the ground, 5 chs. N. of my station.

At 6h 55m a.m., l.m.t., I lay off the azimuth of Polaris

RETRACEMENT OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

1°28' to the west and mark the meridian thus determined, by a point on the peg set July 9, on which the meridian falls 0.21 ins. west of the mark determined by the solar.

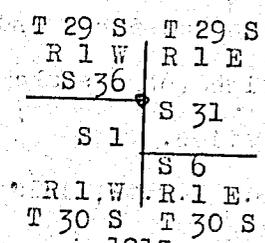
At 7h 05m a.m., l.m.t., I set off 38°17' N. on the lat. arc; 22°21' N. on the decl. arc; and mark a point in the meridian determined with the solar; by a point on the peg already set 5 chs. N. of my station; this mark falls 0.26 ins. west of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations, defines positions for meridians, respectively about 0'11" east and 0'14" west of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 7h 10m a.m. is S. 16°40' W.; the angle thus determined gives the mag. decl. 16°40' E.

July 9, 1915: At 7h 5m a.m., l.m.t., I set off 38°14' N. on the lat. arc; 22°28' N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 29 and 30 S., R. 1 W., which is a trachyte stone 7 x 7 x 7 ins. above ground, firmly set, marked with 6 notches on E., S., W. and N. edges.

I re-establish this cor. as follows:  
Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for cor. of Tps. 29 and 30 S., R. 1 W., with brass cap marked

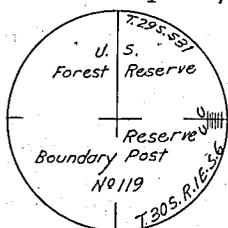


## RETRACEMENT OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Chains

I rebuild mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.

From this cor., Forest Reserve boundary post No. 119, closing cor. of Tps. 29 and 30 S., R. 1 E., which is a 4-inch iron post, 4 ft. long, 2 ft. above ground, with mound of stone E. of post, marked



bears south 5.97 chs. distant.

From the re-established cor. of Tps. 29 and 30 S., R. 1 W., I run

North, on a retracement line along E. side of sec. 36.

40.02 $\frac{1}{2}$  Fall 135 lks. E. of the old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 4 x 6 x 10 ins. above ground, firmly set and marked  $\frac{1}{4}$  on W. face; no accessories.

80.13 Fall 270 lks. E. of the old cor. of secs. 25, 30, 31 and 36, which is a trachyte stone 6 x 8 x 12 ins. above ground, firmly set, and marked 1 notch on S. and 6 notches on W., N. and E. edges; no accessories. The course of this line is therefore N.1°56'W.

I offset over corner, and run

North, on a retracement line, along E. side of sec. 25.

40.26 Fall 93 lks. E. of the old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 6 x 10 x 10 ins. above ground, firmly set, and marked  $\frac{1}{4}$  on W. face; no accessories.

I offset over  $\frac{1}{4}$  sec. cor. and continue my line N.1°19'W.

80.35 Fall 17 lks. E. of the old cor. of secs. 19, 24, 25 and 30, which is a trachyte stone 6 x 8 x 10 ins. above ground, firmly set; no accessories.

RETRACEMENT OF THE SALT LAKE MERIDIANS

Chains

- The  $\frac{1}{4}$  sec. cor. being visible, I run for said corner N.  $1^{\circ}27'W.$ , on a retracement line, along E. side of sec. 24.
- 39.50 Intersect old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 6 x 12 x 14 ins. above ground, firmly set, and marked  $\frac{1}{2}$  on W. face; no accessories.  
From the  $\frac{1}{4}$  sec. cor. I continue Same line.
- 79.56 Fall 12 lks. E. of the old cor. of secs. 13, 18, 19 and 24, which is a trachyte stone 10 x 12 x 8 ins. above ground, firmly set, and marked 3 notches on S. and E. and 6 notches on E. and W. edges; no accessories.

From point 12 lks. E. of old cor. of secs. 13, 18, 19 and 24.

- N.  $1^{\circ}27'W.$  on a retracement line, along E. side of sec. 13.
- 40.03 Fall 28 lks. E. of the old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 24 x 10 x 8 ins. above ground, loosely set; no accessories.
- 80.26 Fall 46 lks. E. of the old cor. of secs. 7, 12, 13 and 18, which is a trachyte stone 18 x 14 x 10 ins., above ground, loosely set, marked 4 notches on S., 2 notches on N. and 6 notches on E. and W. edges; no accessories.

From point 46 lks. E. of old cor. of secs. 7, 12, 13 and 18.

- North, on a retracement line, along E. side of sec. 12.
- 40.06 Fall 9 lks. W. of the old  $\frac{1}{2}$  sec. cor., which is a trachyte stone 14 x 12 x 6 ins. above ground, loosely set; no accessories.
- 79.78- Fall 20 lks. E. of the old cor. of secs. 1, 6, 7 and 1

RETRACEMENT OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Chains

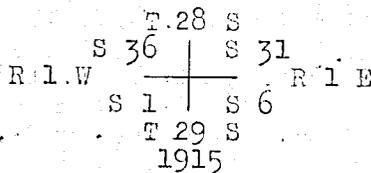
which is a trachyte stone 14 x 10 x 7 ins. above ground, loosely set, marked 5 notches on S., 1 notch on N., and 6 notches on E. and W. edges; no accessories.

X I offset over cor. and run on a retracement line North, along E. side of sec. 1.

39.96 Fall 101 lks. E. of the old  $\frac{1}{2}$  sec. cor., which is a trachyte stone 6 x 8 x 10 ins. above ground, firmly set; no accessories.

79.70 Fall 202 lks. E. of the old township cor., which is a trachyte stone 8 x 10 x 14 ins. above ground, firmly set in a mound of stone, marked with 6 notches on N., S., E. and W. edges, with a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, E. of cor.

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, alongside old cor., for cor. of Tps. 28 and 29 S., Rs. 1 E. and 1 W., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, S. of cor.

The course of this line is therefore N.1°27'W., and the distance 79.71 chs.

July 9, 1915.

RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Note: In the resurvey of the W. bdy. of T. 29 S., R. 1 E., or the Salt Lake Meridian, the same being out of limits, but having no subdivisions dependent thereon except in secs. 1 and 36 of T. 29 S., R. 1 W., I was governed in said resurvey by instructions from the Surveyor General of Utah, by his letter dated July 17, 1915.

RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

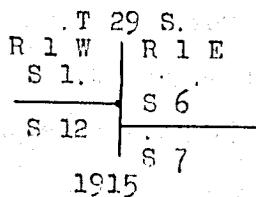
Chains	
	<p>July 19: At 7h 6m a.m., l.m.t., I set off <math>38^{\circ}19'N.</math> on the lat. arc; <math>21^{\circ}00'N.</math> on the decl. arc; and determine a meridian with the solar at the cor. of T<sub>s.</sub> 28 and 29 S., Rs. 1 E. and 1 W.,</p> <p>Thence</p> <p><math>S.1^{\circ}27'E.</math>, on a resurvey line along E. side of sec. 1, Ascending gradually over rolling mountainous land, through dense, short undergrowth of sage and yellow brush.</p>
5.00	<p>Top of ridge, 10 ft. above Tp. cor., bears E. and W. Descend.</p>
15.70	<p>Bottom of draw, 130 ft. below ridge, course E. Ascend. Difference between measurements of 39.75 chs., by two sets of chainmen, is 2 lks.; position of middle point</p> <p>.. By 1st set, 39.74 chs.</p> <p>.. By 2nd set, 39.76 chs.; the mean of which is</p>
39.75	<p>Intersect <math>\frac{1}{2}</math> sec. cor., heretofore described. I re-establish the cor. as follows:</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for <math>\frac{1}{2}</math> sec. cor., with brass cap marked</p> <div style="text-align: center;"> <math>\frac{1}{2}</math> S 1    1915 </div> <p>and raise a mound of stone, 2 ft. base, <math>1\frac{1}{2}</math> ft. high, W. of cor.</p> <p>Cor. 170 ft. above draw.</p>
43.40	<p>Top of ridge, 10 ft. above cor., bears E. and W.; desc.</p>
60.70	<p>Bottom of draw, 130 ft. below ridge, course E.; enter aspen timber bearing E. and W.; ascend.</p>
63.80	<p>Leave aspen timber bearing E. and W.</p>
68.10	<p>Top of ridge, 85 ft. above draw, bears E. and W.; desc.</p>
70.40	<p>Enter dense aspen timber bearing E. and W.</p>
74.40	<p>Bottom of depression, 5 ft. below ridge, course E.; asc.</p>
78.60	<p>Leave aspen timber bearing E. and W.</p> <p>Difference bet. measurements of 79.71 chs., by two sets of chainmen, is 2 lks.; position of middle point</p> <p>By 1st set, 79.70 chs.</p>

RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Chains

79.71 By 2nd set, 79.72 chs., the mean of which is  
Intersect the cor. of secs. 1, 6, 7 and 12, on the W.  
bdy. of the Tp., heretofore described.

I re-establish the cor. as follows:  
Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins.  
in the ground for cor. of secs. 1 and 12, with brass  
cap marked



from which

An aspen 5 ins. dia., bears N.16°05'W., 139  
lks. dist., marked T 29 S R 1 W S 1 B T.

No other bearing trees available. Raise a mound of  
stone, 2 ft. base, 1½ ft. high W. of cor.

Cor. stands on ridge bearing N.80°W. and S.80°E.,  
50 ft. above depression.

Land rolling mountainous.

Soil gravelly, 1 to 3 ft. deep, volcanic stone.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height. Good grass for grazing. Timber aspen.

S.1°25'E. on a resurvey line along E. side of sec. 12,  
Descending gradually over rolling mountainous land,  
through dense short undergrowth of sage and yellow brush.

6.10 Depression, 25 ft. below cor., course E. Ascend.

14.00 Enter dense aspen timber bearing E. and W.

20.00 Leave timber, bearing E. and W.

30.50 Top of ridge, 76 ft. above bottom of depression, bears  
E. and W. Descend.

36.50 Bottom of swale, 15 ft. below ridge, course E.  
Ascend.

Difference bet. measurements of 40.01 chs. by two sets  
of chainmen is 2 lks., position of middle point

By 1st set, 40.00 chs.

RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Chains

40.01 Proportional distance for  $\frac{1}{4}$  sec. cor. I destroy all traces of original  $\frac{1}{4}$  sec. cor., heretofore described. Set an iron post, 3 ft. long, 1 in. in dia., .26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 12 |  
 .1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Cor. 20 ft. above swale.

48.50 Old road bears E. and W.

62.00 Top of ridge, 90 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W. Descend.

76.35 Old road bears E. and W.

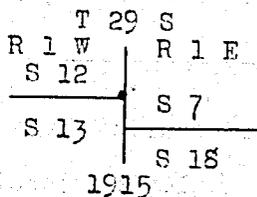
Difference bet. measurements of 80.02 chs., by two sets of chainmen is 4 lks., position of middle point

By 1st. set, 80.00 chs.

By 2nd. set, 80.04 chs., the mean of which is

80.02 Proportional distance for cor. of secs. 7, 12, 13 and 18. I destroy the old cor. of secs. 7, 12, 13 and 18 heretofore described.

Set an iron post 3 ft. long, 3 ins. in dia., .24 ins. in the ground for cor. of secs. 12 and 13, with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Cor. 76 ft. below ridge.

Land rolling mountainous.

Soil gravelly, 1 to 3 ft. deep, volcanic stone.

Undergrowth sage and yellow brush, averaging 1 ft. in height. Grass good for grazing. Timber aspen.

S.  $1^{\circ}25'$  E. on a resurvey line along E. side of sec. 13. Descending gradually over rolling mountainous land, through short, dense undergrowth of sage and yellow brush.

RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T.29 S.

Chains

6.00 Swale, 10 ft. below cor., course S.60°E. Ascend.

34.00 Road, from Parker Lake to Loa, bears NE. and SW.

36.20 Top of ridge, 105 ft. above bottom of swale, bears N.70°W. and S.70°E. Descend.

39.30 Center of hollow, 85 ft. below ridge, course S.55°E. Asc.

Difference bet. measurements of 40.01 chs., by two sets of chainmen is 4 lks., position of middle point

By 1st set, 39.99 chs.

By 2nd set, 40.03 chs., the mean of which is

40.01 Proportional distance for  $\frac{1}{4}$  sec. cor. I destroy the old  $\frac{1}{4}$  sec. cor. heretofore described.

Set an iron post, 3 ft. long; 1 in. in dia.; 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor.; with brass cap marked

$\frac{1}{4}$  S 13 |

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.

50.00 Top of ridge, 65 ft. above  $\frac{1}{4}$  sec. cor., bears N.80°W. and S.70°E. Descend.

59.20 Old road in bottom of hollow, 40 ft. below ridge, bears S.70°E. and N.70°W. Course of hollow, S.70°E. Ascend.

69.00 East end of ridge, 90 ft. above hollow, bears W. Descend.

69.70 East end of aspen grove, is 30 lks. W.

71.80 Bottom of swale, 5 ft. below ridge, course NE. Ascend.

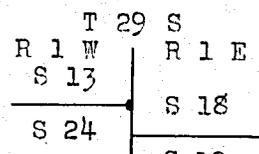
Difference bet. measurements of 80.02 chs., by two sets of chainmen is 4 lks., position of middle point

By 1st set 80.00 chs.,

By 2nd set, 80.04 chs., the mean of which is

80.02 Proportional distance for cor. of secs. 13, 18, 19 and 24. I destroy the old cor. of secs. 13, 18, 19 and 24, heretofore described.

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for cor. of secs. 13 and 24, with brass cap marked



RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Chains

from which

An aspen 5 ins. dia., bears S. 59° 15' W., 44 lks.,  
dist., marked T 29 S R 1 W S 24 B T.

An aspen 5 ins. diam., bears N. 72° W., 114 lks.,  
dist., marked T 29 S R 1 W S 13 B T.

Cor. 30 ft. above swale.

Land rolling mountainous.

Soil gravelly, volcanic stone, 1 to 2 ft. deep.

Undergrowth sage and yellow brush.

Grass good for grazing.

Timber aspen.

July 19: At this cor. I set off 20° 57' N. on the decl.  
arc, and at apparent noon observe the sun on the  
meridian; the resulting lat. is 38° 17'.

S. 1° 25' E. on a resurvey line along E. side of sec. 24.  
Ascending over rolling mountainous land, through dense  
undergrowth of sage and yellow brush.

1.50 Enter heavy aspen timber bearing E. and W.

2.40 Leave aspen timber, bearing E. and W.

11.00 Top of ridge, 85 ft. above cor., bears NW. and S. 30° E.  
Descend.

Difference bet. measurements of 40.01 chs. by two sets  
of chainmen is 2 lks., position of middle point

By 1st set 40.00 chs.

By 2nd set 40.02 chs., the mean of which is

40.01 Proportional distance for  $\frac{1}{4}$  sec. cor. I destroy the old  
sec. cor. heretofore described.

Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in  
the ground with mound of stone around post, for  $\frac{1}{4}$  sec.  
cor. with brass cap marked

T S 24

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high  
W. of cor.

RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Chains

Cor. 60 ft. below ridge.

60.60 Old road in bottom of hollow; bears NW. and SE., hollow 85 ft. below  $\frac{1}{4}$  cor., course SE.

Ascend.

78.60 Enter dense aspen timber bearing E. and W.

Difference bet. measurements of 80.02 chs. by two sets of chainmen is 4 lks., position of middle point

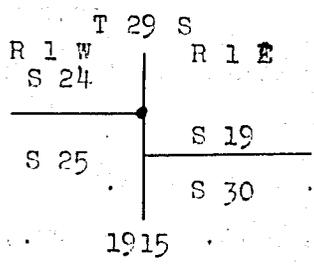
By 1st set 80.00 chs.,

By 2nd set 80.04 chs., the mean of which is

80.02 Proportional distance for cor. of secs. 19, 24, 25 and 30.

I destroy the old cor. as heretofore described.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground for cor. of secs. 24 and 25, with brass cap marked



from which

An aspen 8 ins. dia., bears S. 32°W.,

22 lks. dist. marked T 29 S R 1 W S 25 B T.

An aspen 8 ins. dia., bears N. 9°W.,

100 lks. dist.; marked T 29 S R 1 W S 24 B T.

Cor. 65 ft. above hollow.

Land rolling mountainous.

Soil gravelly, 1 to 3 ft. deep, volcanic formation.

Undergrowth sage and yellow brush; averaging 1 ft. in height.

Good grass for grazing.

Timber aspen.

S. 1° 25' E. on a resurvey line along E. side of sec. 25.

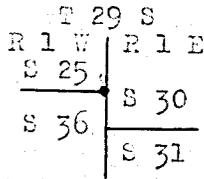
Ascending over rolling mountainous land, through dense short undergrowth of sage and yellow brush, and aspen timber.

RESURVEY OF THE SALT LAKE MERIDIAN TRVERSE, 29

- Chains
- 7.00 Leave aspen timber, bearing E. and W.
- 8.20 Top of ridge, 95 ft. above cor., bears NW. and SE.  
Descend.
- 25.60 Bottom of draw, 130 ft. below ridge, course SE.  
Ascend.
- Difference bet. measurements of 40.01 chs., by two sets of chainmen is 4 lks., position of middle point  
By 1st set 39.99 chs.,  
By 2nd set 40.03 chs., the mean of which is
- 40.01 Proportional distance for  $\frac{1}{4}$  sec. cor.  $\frac{1}{4}$  sec. cor.  
I destroy the old  $\frac{1}{4}$  sec. cor. heretofore described.  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., with brass cap marked  
 $\frac{1}{4}$  S 25 |  
1915  
and raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high W. of cor.  
Cor. 45 ft. above draw.
- 42.70 Top of ridge, 5 ft. above cor., bears N.60°W. and S.60°E.  
Descend.
- 60.30 Bottom of swale, 90 ft. below ridge, course S.60°E.  
Ascend.
- 73.15 Old road bears NE. and SW.
- 79.89 The old cor. of secs. 25 and 36, heretofore described.  
I move cor. 13 lks. S., to comply with instructions contained in U. S. Surveyor General's letter of July 17, 1915.  
Difference bet. measurements of 80.02 chs. by two sets of chainmen is 4 lks., position of middle point  
By 1st set 80.00 chs.  
By 2nd set 80.04 chs., the mean of which is
- 80.02 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 25 and 36, with brass cap marked

RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Chains



1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

Land, rolling mountainous.

Soil, gravelly, 1 to 3 ft. deep; volcanic stone.

Undergrowth, sage and yellow brush, averaging 1 ft.  
in height.

Grass good for grazing.

Timber, aspen.

S. 1°56'E., on a resurvey line along E. side of sec. 36.  
Ascending gradually over rolling mountainous land,  
through dense short undergrowth of sage, yellow brush  
and bitter brush.

7.80 Top of ridge, 20 ft. above cor., bears NE. and W.  
Descend.

17.70 Bottom of swale, 40 ft. below ridge, course W.  
Ascend.

23.50 West end of ridge, 4 ft. above swale, bears E. and W.  
Descend.

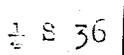
31.90 Bottom of draw, 40 ft. below ridge, course SE.  
Ascend.

Difference bet. measurements of 40.02½ chs., by two  
sets of chainmen, is 5 lbs.; position of middle point  
By 1st set, 40.01 chs.

By 2nd set, 40.04 chs.; the mean of which is

The old ¼ sec. cor., heretofore described.

Set an iron post, 3 ft. long, 1 in. in diam., 26 inc.  
in the ground, for ¼ sec. cor., with brass cap marked



1915

RESURVEY OF THE SALT LAKE MERIDIAN THROUGH T. 29 S.

Chains

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 5 ft. above draw.

56.30

Top of ridge, 40 ft. above cor., bears E. and W.; descend

78.20

Bottom of swale, 105 ft. below ridge, course E.; ascend.

Difference bet. measurements of 80.05 chs., by 2 sets  
of chainmen, is 2 lbs.; position of middle point

By 1st set, 80.04 chs.

By 2nd set, 80.06 chs.; the mean of which is

80.05

The cor. of Tps. 29 and 30 S., R. 1 W., 5 ft. above  
swale.

Land, rolling mountainous.

Soil, gravelly, 1 to 3 ft. deep; volcanic formation.

Undergrowth, sage, yellow brush and bitter brush.

Grass good for grazing.

No timber.

July 19, 1915.



U. S. Surveyor.

SUBDIVISION T. 29 S., R. 1 E.

Survey commenced July 7, 1915, and executed with a Young & Sons light mountain transit, No. 8146, with solar attachment, for description of which see notes of Subdivision of T. 30 S., R. 1 E..

July 6, 1915: At the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., heretofore described, latitude  $38^{\circ}15'N.$ , longitude  $111^{\circ}48'W.$ , at 3h 4m p.m., l.m.t., I set off  $38^{\circ}15'N.$  on the lat. arc;  $22^{\circ}45'N.$  on the decl. arc; and mark the meridian thus determined, by a tack in a stake 5 chs. N. of the instrument.

July 7, 1915: At 0h 36.4m a.m., l.m.t., I observe Polaris at eastern elongation and mark the line thus determined by a tack in a stake 5 chs. N. of the instrument.

At 7:00 a.m., l.m.t., I lay off the azimuth of Polaris  $1^{\circ}27.5'$  to the west and mark the meridian thus determined by tack in stake set yesterday on which the meridian falls .37 inches west of the mark determined by the solar.

At 8h 05m a.m., l.m.t., I set off  $38^{\circ}15'N.$  on the lat. arc;  $22^{\circ}41'N.$  on the decl. arc; and mark a point in the meridian thus determined by a tack in stake 5 chs. N. of instrument. This mark falls .45 inches west of the meridian determined by Polaris.

The solar apparatus by p.m. and a.m. observations, defines positions for meridians, respectively about 19" east and 24" west of the meridian established by the Polaris observations; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at 8h 30m a.m., is  $N.16^{\circ}28'W.$ ; the angle thus determined gives the mag. decl.  $16^{\circ}28'E.$

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., heretofore described,  
 $N.0^{\circ}01'W.$ , bet. secs. 35 and 36,

SUBDIVISION T. 29 S., R. 1 E.

Chains

Descending over rolling mountainous land, through sage and yellow brush; gravel and clay loam.

6.80 Old road to Loa, 14 ft. below cor.; bears NE. and SW.

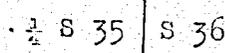
9.39 Mouth of draw, 21 ft. below cor., drains N.30°E. Ascend.

11.49 Spur, 2 ft. above draw, bears E. and W. Descend.

18.29 Bottom of wash in draw, 2 ft. deep, 20 lbs. wide, 22 ft.

below spur, course NE. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/2 sec. cor., with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

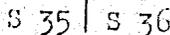
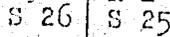
Cor. stands 76 ft. above draw.

50.00 Ridge, 1 ft. above 1/2 sec. cor., bears N.80°E. and S.80°W. Descend.

74.45 Draw, 83 ft. below ridge, drains N.85°E. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap marked

T 29 S. R 1 E.



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. stands on ridge bearing N.40°W. and S.40°E., 42 ft. above draw.

Land, rolling mountainous.

Soil, gravel, clay loam and volcanic rock.

No timber.

Undergrowth, sage and yellow brush. Some grass.

East, on a random line bet. secs. 25 and 36.

40.00 Set temp. 1/2 sec. cor.

79.92 Intersect E. bdy. of Tp. at the cor. of secs. 25, 30, 31 and 36, heretofore described.

SUBDIVISION T. 29 S., R. 1 E.

chains

Thence

West, on a true line bet. secs. 25 and 36,

Descending over mountainous land, through sagebrush,

yellow brush, black sage and bunch grass.

5.32

Draw, 75 ft. below cor., course S. Ascend.

6.59

Spur, 26 ft. above draw, projects N. Descend.

11.97

Wash, 6 ft. deep, 30 lks. wide, course N.30°W. 40 ft.

5.97

below spur. Recross wash, 5 ft. deep, 40 lks. wide, course SW.

6.97

Recross wash, 4 ft. deep, 20 lks. wide, course N.

31.28

Bottom of wash in draw, 4 ft. deep, 35 lks. wide, course

S.60°W. Ascend.

37.33

Ridge, 80 ft. above wash, bears N. and S. Descend.

39.96

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

the ground, for ¼ sec. cor., with brass cap marked

S 25

S 36

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,

N. of cor. Cor. falls 75 ft. below ridge.

44.85

Bottom of wash in draw, 20 lks. wide, 3 ft. deep, 62 ft.

below ¼ sec. cor., course NE. Ascend.

60.62

Ridge, 126 ft. above wash, bears NE. and SW. Descend.

71.41

Draw, 36 ft. below ridge, course NE. Ascend.

79.92

The cor. of secs. 25, 26, 35 and 36, 75 ft. above draw.

Land, rolling mountainous.

Soil, gravel, rock and clay loam; volcanic formation.

No timber.

Undergrowth, sagebrush, yellow brush, black sage and

bunch grass.

July 7: At this cor. I set off 22°39' N. on the decl.

arc; and at apparent noon observe the sun on the

meridian; the resulting lat. is 38°15' N.

N.0°01'W., bet. secs. 25 and 26;

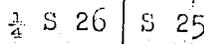
Ascending over rolling mountainous land, through black

SUBDIVISION T. 29 S., R. 1 E.

Chains

sage and yellow brush.

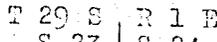
- 5.00 Ridge, 11 ft. above sec. cor., bears E. and W. Descend.
- 14.50 Head of draw, 13 ft. below ridge, course S.85°E. Ascend
- 35.00 Ridge, 20 ft. above draw, bears E. and W. Descend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

- 42.48 Draw, 22 ft. below ridge, course S.80°E. Ascend.
- 49.00 Ridge, 25 ft. above draw, bears S.80°E. and N.80°W. Descend
- 55.58 Draw, 33 ft. below ridge, course S.85°E. Ascend.
- 63.04 Ridge, 48 ft. above draw, bears N.75°W. and S.75°E. Descend
- 73.79 Head of draw, 22 ft. below ridge, course E. Ascend.
- 77.14 Spur, 14 ft. above draw, projects E. Descend.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Cor. stands 33 ft. below spur.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, black sage and yellow brush. Some grass.

East, on a random line bet. secs. 24 and 25.

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.94 Intersect E. bdy. of Tp. 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, heretofore described.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Thence S.89°59'W., on a true line bet. secs. 24 and 25, Ascending over mountainous land, through sage and yellow brush.

14.94 Ridge, 22 ft. above sec. cor., bears N. and S. Descend.

39.97 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.

S 24

1/4

S 25

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Cor. stands 36 ft. below ridge.

53.27 Canyon, 279 ft. below 1/4 cor., course NE.; scattering juniper along sides.

Ascend abruptly.

59.35 Spur, 98 ft. above canyon, projects N.55°E. Descend.

64.99 Small swale, 18 ft. below spur, course N.70°E.

Ascend.

79.94 The cor. of secs. 23, 24, 25 and 26, 70 ft. above swale.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

Timber, scattering juniper.

Undergrowth, black sage, yellow brush and scattering sagebrush. Some grass.

July 7, 1915.

July 8, 1915: At 8h 5m a.m., l.m.t., I set off 38°16'N. on the lat. arc; 22°34'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.

Thence

N.0°01'W., bet. secs. 23 and 24,

Descending over rolling mountainous land, through

SUBDIVISION T. 29 S., R. 1 E.

Chains

sagebrush and grass; rocky clay loam.

- .99 Draw, .10 ft. below sec. cor., course E. Ascend.
  - 17.87 Ridge, 59 ft. above draw, bears NE. and SW. Descend.
  - 29.48 Bottom of wash in draw, 6 ft. deep, 10 lks. wide, 75 ft. below ridge, course E. Ascend.
  - 36.22 Ridge, 57 ft. above draw, bears N.85°E. Descend.
  - 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked  

S 23	S 24
1915	

 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
  - 42.18 Draw, 42 ft. below ridge, course E. Ascend.
  - 58.59 Ridge, 56 ft. above draw, bears E. and W. Descend.
  - 78.90 Bottom of wash in draw, 3 ft. deep, 10 lks. wide, 99 ft. below ridge, course E. Ascend.
  - 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, with a mound of stone around post, for cor. of secs. 13, 14, 23 and 24, with brass cap marked  

T 29 S	R 1 E
S 14	S 13
S 23	S 24
1915	

 and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Corner falls 5 ft. above draw.
- Land, rolling mountainous.  
 Soil, rocky clay loam.  
 No timber.  
 Undergrowth, sagebrush and some grass.

N.89°59'E., on a random line bet. secs. 13 and 24.

- 40.00 Set temp. ¼ sec. cor.
- 79.92 Intersect E. bdy. of Tp. 5 lks. S. of the cor. of secs. 13, 18, 19 and 24, heretofore described.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Thence S.89°57'W., on a true line bet. secs. 13 and 24, Ascending over rolling mountainous land, through sage and yellow brush.

5.61 Ridge, 10 ft. above sec. cor., bears N. and S. Descend.

27.47 Canyon, 327 ft. below ridge, course N. Ascend abruptly.

31.43 Spur, 68 ft. above canyon, projects NE. Descend

34.92 Swale, 14 ft. below spur, course N. Ascend.

39.96 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S 13

1/4

S 24

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Cor. 44 ft. above swale.

48.84 Spur, 40 ft. above 1/4 cor., projects NE. Descend.

51.98 Ravine, 28 ft. below spur, course NE. Ascend.

64.18 Ridge, 155 ft. above ravine, bears NE. and SW. Descend.

75.94 Bottom of wash in draw, 10 ft. deep, 15 lks. wide, 96 ft. below ridge, course S.80°E.

Ascend.

79.92 The cor. of secs. 13, 14, 23 and 24. 26 ft. above wash.

Land, rolling mountainous.

Soil, gravel, rock, and clay loam.

No timber. Some grass.

Undergrowth, black sage, yellow brush and sagebrush.

July 8, 1915: At this cor. I set off 22°33'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°17'N.

N.0°01'W., bet. secs. 13 and 14.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Descending over rolling mountainous land, through black sage, yellow brush and sagebrush.

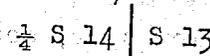
2.98 Bottom of wash in draw, 10 ft. deep, 15 lks. wide, 20 ft. below sec. cor., course E. Ascend.

13.86 Ridge, 104 ft. above draw, bears E. and W. Descend.

24.43 Draw, 34 ft. below ridge, course E. Ascend.

31.94 Ridge, 42 ft. above draw, bears E. and W. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



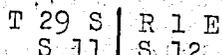
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

61.43 Bottom of draw, 118 ft. below 1/4 cor., course S.75°E. Ascend.

69.38 Top of spur, 60 ft. above draw, course S.75°E. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground with mound of stone around post, for cor. of secs. 11, 12, 13 and 14, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel, rock, and clay loam.

No timber. Some grass.

Undergrowth, black sage, yellow brush and sagebrush.

N.89°57'E., on a random line bet. secs. 12 and 13.

40.00 Set temp. 1/4 sec. cor.

79.93 Intersect E. bdy. of Tp. at the cor. of secs. 7, 12, 13 and 18, heretofore described.

Thence

S.89°57'W., on a true line bet. secs. 12 and 13,

## SUBDIVISION T. 29 S., R. 1 E.

## Chains

Descending over rolling mountainous land, through scattering junipers, sage and yellow brush.

5.39 Spur, 70 ft. below sec. cor., bears NW. and SE.

Descend.

11.81 Wash in canyon, 4 ft. deep, 55 lks. wide, course NW.,

180 ft. below spur. Ascend.

28.05 Top of ridge, 120 ft. above wash, bears NE. and SW. Descend.

31.81 Draw, 20 ft. below top of ridge, course NE.

35.22 Bottom of same draw, 5 lks. wide, 15 ft. deep, 70 ft.

below top of spur, course SE. Ascend.

39.96 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in

the ground, with mound of stone around post, for  $\frac{1}{4}$

sec. cor., with brass cap marked

S 12

$\frac{1}{4}$

S 13

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,

N. of cor.

55.92 Top of ridge, 260 ft. above bottom of draw, bears N. 65° E.

and S. 65° W. Descend.

62.77 Bottom of draw, 132 ft. below top of ridge, course S.

60° W.

Thence ascend over rolling land to

79.93 The cor. of secs. 11, 12, 13 and 14, 146 ft. above draw.

Land, rolling mountainous.

Soil, gravel, rock, and clay loam.

Timber, scattering juniper.

Undergrowth, black sage, yellow brush and sagebrush.

Some grass.

July 8, 1915.

July 12, 1915: At 8h 5m a.m., l.m.t., I set off 38° 18'

N. on the lat. arc; 22° 06' N. on the decl. arc; and

determine a meridian with the solar at the cor. of

secs. 11, 12, 13 and 14.

Thence

SUBDIVISION T. 29 S., R. 1 E.

Chains

N.0°01'W., bet. secs. 11 and 12.

Descending over rolling mountainous land, through sagebrush and grass.

33.48

Bottom of draw, 52 ft. below sec. cor., course E. Asc.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

1/4 S 11 | S 12

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

59.99

Top of knoll, 128 ft. above draw, bears E. and W. Descend.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, with mound of stone around post, for cor. of secs. 1, 2, 11 and 12, with brass cap marked

T 29 S | R 1 E

S 2 | S 1

S 11 | S 12

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 33 ft. below knoll.

Land, rolling mountainous.

Soil, gravel, rock, and clay loam.

No timber.

Undergrowth, sagebrush, grass and yellow brush.

N.89°57'E., on a random line bet. secs. 1 and 12.

40.00

Set temp. 1/4 sec. cor.

79.89

Intersect E. bdy. of Tp. 7 lks. S. of the cor. of secs. 1, 6, 7 and 12, heretofore described.

Thence

S.89°54'W., on a true line bet. secs. 1 and 12,

Ascending over rolling mountainous land, through sage

SUBDIVISION T. 29 S. R. 1 E.

Chains		
	and yellow brush.	
9.19	Ridge, 30 ft. above sec. cor., bears N. and S. Descend.	
20.37	Ravine, 112 ft. below ridge, course S.10°W. Ascend abruptly.	
29.94	Top of abrupt ascent of E. slope of ridge, bearing N.10°E. and and S.10°W. Ascend gradually.	
39.94½	Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground with mound of stone around post, for ¼ sec. cor. with brass cap marked	
	S 1 ¼	
	S 12	
	1915	
	and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.	
44.90	Ridge, 106 ft. above ravine, bears NW. and SE. Descend.	
51.71	Draw, 7 ft. below ridge, course SE. Ascend gradually.	
79.89	The cor. of secs. 1, 2, 11 and 12, 70 ft. above draw. Land rolling mountainous. Soil gravel, rock and clay loam, volcanic formation. No timber. Undergrowth yellow brush, black sage and sagebrush. July 12, 1915: At this cor. I set off 22°04'N. on the decl. arc, and at apparent noon observe the sun on the meridian; the resulting lat. is 38°19'N.	
40.00	N.0°01'W. on a random line bet. secs. 1 and 2. Set temp. ¼ sec. cor.	
84.39	Intersect N. bdy. of Tp. at the cor. of secs. 1, 2, 35 and 36, heretofore described. Thence S.0°01'E. on a true line bet. secs. 1 and 2. Ascending over rolling mountainous land, through sage	

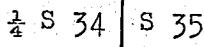
## SUBDIVISION T. 29 S. R. 1 E.

Chains	
	and yellow brush.
11.47	Top of steep ascent. Begin more gradual ascent.
21.47	Ridge bearing NW. and SE., 95 ft. above cor. Descend.
44.39	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S 2   S 1 1915 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
44.67	Draw 100 ft. below ridge, course E. Ascend.
62.29	Ridge, 96 ft. above draw, bears NW. and SE. Descend along broad ridge.
84.39	The cor. of secs. 1, 2, 11 and 12, 11 ft. below ridge. Land rolling mountainous. Soil gravel, rock and clay loam. No timber. Some grass for grazing. Undergrowth black sage and yellow brush.
<p>July 9, 1915: At 8h 5m a.m., l.m.t., I set off <math>38^{\circ}15'N</math>. on the lat. arc, <math>22^{\circ}28'N</math>. on the decl. arc, and de- termine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., heretofore described.</p> <p>Thence N. <math>0^{\circ}01'W</math>. bet. secs. 34 and 35. Ascending over rolling mountainous land, through sage- brush, black sage and bunch grass.</p>	
5.00	Ridge 1 ft. above sec. cor., bears E. and W.
9.00	Descend gradually.
24.70	Draw, 82 ft. below ridge, course S. $80^{\circ}E$ . Ascend.
33.54	Ridge 78 ft. above draw, bears NE. and SW. Descend.

SUBDIVISION T. 29 S., R. 1 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked.



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,

W. of cor.

46.19 Draw, 40 ft. below ridge, course NE.

Ascend.

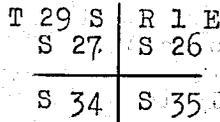
65.00 Spur, 50 ft. above draw, projects S.60°E.

Descend.

73.10 Draw, 5 ft. below spur, course SE.

Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,

W. of cor.

Cor. 15 ft. above draw.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush, black sage and bunch grass.

East, on a random line bet. secs. 26 and 35.

40.00 Set temp. 1/4 sec. cor.

79.82 Intersect N. and S. line 5 lks. S. of the cor. of secs. 25, 26, 35 and 36; on ridge.

Thence

S.89°58'W., on a true line bet. secs. 26 and 35.

Over rolling mountainous land, through sagebrush, yellow brush and grass.

SUBDIVISION T. 29 S., R. 1 E.

Chains

2.56 Begin descent from ridge, bearing N.40°W. and S.40°E.

17.65 Draw, 20 ft. below ridge, course SE.

Ascend.

24.84 Spur, 22 ft. above draw, projects NE.

Descend.

32.23 Recross draw, 20 ft. below spur, course NE.;

39.91 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

S 26

1/4

S 35

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

51.94 Small wash, course SE.

Ascend gradually to

79.82 The cor. of secs. 26, 27, 34 and 35.

Cor. 128 ft. above wash.

Land, rolling mountainous.

Soil, gravel, clay loam and volcanic rock.

No timber.

Undergrowth, black sage, yellow brush and grass.

July 9, 1915: At this cor. I set off 22°26' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°15' N.

N.0°01'W., bet. secs. 26 and 27.

Ascending over rolling mountainous land, through yellow brush, sagebrush and black sage.

34.85 Ridge, 211 ft. above cor., bears N.85°E. and S.85°W.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, with mound of stone around post, for 1/4

## SUBDIVISION T. 29 S., R. 1 E.

Chains

sec. cor., with brass cap marked

S 27	S 26
------	------

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

45.40 Draw, 103 ft. below ridge, course S.85°E.

Ascend

52.45 Ridge, 22 ft. above draw, bears N.85°E. and S.85°W.

Descend

59.01 Draw, 46 ft. below ridge, course N.80°E.

Ascend.

62.40 Ridge, 3 ft. above draw, bears N.60°E. and S.60°W.

Descend.

68.29 Draw, 40 ft. below ridge, course E.

Ascend.

80.00 Set an iron post, 3 ft. long, 2 inc. diam., 24 ins. in  
the ground, for cor. of secs. 22, 23, 26 and 27, with  
brass cap marked

T 29 S	R 1 E
S 22	S 23
S 27	S 26

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. stands on ridge bearing E. and W., 64 ft. above  
draw.

Land, rolling mountainous.

Soil, gravel, clay loam and rock.

No timber. Some grass.

Undergrowth, yellow brush, sagebrush and black sage.

N.89°58'E., on a random line bet. secs. 23 and 26.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.92 Intersect N. and S. line 4 lks. N. of the cor. of secs.  
23, 24, 25 and 26.

SUBDIVISION T. 29 S., R. 1 E.

Chains	
	Thence West, on a true line bet. secs. 23 and 26, Ascending abruptly over mountainous land, through dense undergrowth of sagebrush, yellow brush and grass.
1.92	Ascend <sup>gradually</sup> along ridge.
39.96	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{r} S\ 23 \\ \frac{1}{4} \\ \hline S\ 26 \\ 1915 \end{array}$
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. 152 ft. above sec. cor. Continue ascent along ridge to
79.92	The cor. of secs. 22, 23, 26 and 27. Cor. stands on top of ridge, 120 ft. above $\frac{1}{4}$ sec. cor. Land, mountainous. Soil, gravel, clay loam and rock. No timber. Undergrowth, black sage, yellow brush and grass.
	July 9, 1915.
<p>July 10, 1915: At 8h 5m a.m., l.m.t., I set off <math>38^{\circ}16'</math> N. on the lat. arc; <math>22^{\circ}20'W.</math> on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27.</p>	
	Thence N. $0^{\circ}01'W.$ , bet. secs. 22 and 23, Descending over rolling mountainous land, through dense undergrowth of black sage, yellow brush and sagebrush, and scattering bitter brush.
11.91	Draw, 95 ft. below sec. cor., course N. $80^{\circ}E.$ Ascend.
24.92	Ridge, 64 ft. above draw, bears N. $85^{\circ}W.$ and S. $85^{\circ}E.$

SUBDIVISION T. 29 S., R. 1 E.

Chains

Descend.

39.18 Draw, 74 ft. below ridge, course S.60°E.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 22		S 23
--------------------	--	------

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

48.36 Ridge, 52 ft. above draw, bears NW. and SE.

Descend.

70.13 Draw, 134 ft. below ridge, course E.

Ascend.

76.60 Ridge, 44 ft. above draw, bears E. and W.

Descend

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap marked

T 29 S		R 1 E
S 15		S 14
S 22		S 23

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, black sage, yellow brush, sagebrush and bitter brush. Some grass.

East, on a random line bet. secs. 14 and 23.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.95 Intersect N. and S. line 2 lks. S. of the cor. of secs. 13, 14, 23 and 24.

Thence

S.89°59'W., on a true line bet. secs. 14 and 23,

SUBDIVISION T. 29 S., R. 1 E.

Chains

Ascending over rolling mountainous land, through undergrowth of sage and yellow brush.

26.28 Spur, 107 ft. above sec. cor., projects NE. Descend.

34.96 Swale, 13 ft. below spur, on N. side of ridge, course N. Ascend.

39.97 1/2 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

S 14

1/4

S 23

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

79.95 Continue ascent along N. slope of ridge to The cor. of secs. 14, 15, 22 and 23. 134 ft. above swale.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber. Some grass.

Undergrowth, black sage, yellow brush and sagebrush.

July 10, 1915: At this cor. I set off 22°19'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°17'N.

N.0°01'W., bet. secs. 14 and 15,

Descending over rolling mountainous land, through sage and yellow brush.

9.21 Draw, 78 ft. below sec. cor., course S.80°E. Ascend.

18.35 Ridge, 122 ft. above draw, bears NW. and SE. Descend.

31.63 Draw, 53 ft. below ridge, course SE. Ascend.

SUBDIVISION T. 29 S., R. 1 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 15		S 14
1915		

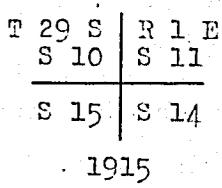
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

48.39 Ridge, 66 ft. above draw, bears NW. and SE.  
Descend.

63.15 Draw, 58 ft. below ridge, course S.70°E.  
Ascend.

72.35 Ridge, 22 ft. above draw, bears N.70°W. and S.70°E.  
Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, with mound of stone around post, for cor. of secs. 10, 11, 14 and 15, with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber. Some grass.

Undergrowth, sagebrush, black sage and yellow brush.

N.89°59'E., on a random line bet. secs. 11 and 14.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.97 Intersect N. and S. line 5 lks. S. of the cor. of secs. 11, 12, 13 and 14.

Thence

S.89°57'W., on a true line bet. secs. 11 and 14;

Ascending over rolling mountainous land, through dense undergrowth of sagebrush, black sage, yellow brush, bitter brush and bunch grass.

SUBDIVISION T. 29 S., R. 1 E.

Chains

9.98 Ridge, 39 ft. above sec. cor., bears NW. and SE.  
Descend.

31.92 Draw, 52 ft. below ridge, course SE.  
Ascend.

39.98 1/2 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in  
the ground, for 1/4 sec. cor., with brass cap marked

S 11

1/4

S 14

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
N. of cor.

Continue over rolling mountainous land to

79.97 The cor. of secs. 10, 11, 14 and 15.

Land, rolling mountainous.

Soil, rocky clay loam.

No timber.

Undergrowth, sagebrush, black sage, yellow brush, bitter  
brush and bunch grass.

July 10, 1915.

July 14, 1915: At 9h 6m a.m., l.m.t., I set off 38°18'N  
on the lat. arc; 21°48'N. on the decl. arc; and deter-  
mine a meridian with the solar at the cor. of secs.  
10, 11, 14 and 15.

Thence

N.0°01'W., bet. secs. 10 and 11,

Descending over N. slope of ridge, through dense  
undergrowth of sagebrush and yellow brush.

16.16 Draw, 76 ft. below sec. cor., course S.60°E.

Ascend.

34.25 Ridge, 123 ft. above draw, bears NW. and SE.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
the ground, for 1/4 sec. cor., with brass cap marked

SUBDIVISION T. 29 S., R. 1 E.

Chains

1/4 S 10 | S 11

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

43.98 Head of draw, 60 ft. below ridge, course E.

Ascend.

49.09 Ridge, 10 ft. above draw, bears E. and W.

50.00 Descend N. slope of ridge.

69.12 Draw, 106 ft. below ridge, course E.

Ascend.

78.21 Ridge, 46 ft. above draw, bears N.80°W. and S.80°E.

Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, with mound of stone around post, for cor. of secs. 2, 3, 10 and 11, with brass cap marked

T 29 S | R 1 E  
S 3 | S 2

S 10 | S 11

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. stands on slope, 5 ft. below top of ridge.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber. Very little grass.

Undergrowth, sage and yellow brush.

N.89°57'E., on a random line bet. secs. 2 and 11.

40.00 Set temp. 1/4 sec. cor.

79.94 Intersect N. and S. line 2 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence

S.89°58'W., on a true line bet. secs. 2 and 11,

Descending W. side of ridge, through sagebrush, yellow brush and black sage.

SUBDIVISION T. 29 S., R. 1 E.

Chains

13.10 Draw, 25 ft. below sec. cor., course S.  
Ascend. E. slope of ridge.

34.94 Ridge, 100 ft. above draw, bears NW. and SE.  
Descend. W. slope of ridge.

39.97 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 2

$\frac{1}{4}$

S 11

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

40.04 Draw, 40 ft. below ridge, course S.70°E.  
Ascend E. slope of ridge.

58.95 Ridge, 78 ft. above draw, bears N.46°W. and SE.  
Descend.

71.90 Draw, 48 ft. below ridge, course S.

79.94 The cor. of secs. 2, 3, 10 and 11.

60 ft. above draw.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber. Some grass.

Undergrowth, sagebrush, yellow brush and black sage.

July 14, 1915: Sky overcast at noon; observation for  
lat. impossible.

N.0°01'W., on a random line bet. secs. 2 and 3.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

84.74 Intersect N. bdy. of Tp. 2 lks. W. of the cor. of secs.  
2, 3, 34 and 35, heretofore described.

Thence

South, on a true line bet. secs. 2 and 3,

Ascending over rolling mountainous land, through dense  
undergrowth of sagebrush, yellow brush and black sage.

9.76 Ridge, bears NW. and SE.

Descend.

## SUBDIVISION T. 29 S., R. 1 E.

Chains

- 37.46 Draw, 28 ft. below ridge, course SE. Ascend.
- 44.74 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked.

$$\frac{1}{4} S 3 \mid S 2$$

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

- 52.59 Ridge, 72 ft. above draw, bears N.  $80^{\circ}$  W. and SE. Descend.

- 73.76 Draw, 68 ft. below ridge, course SE. Ascend N. slope of ridge.

- 84.74 The cor. of secs. 2, 3, 10 and 11. 33 ft. above draw. Land, rolling mountainous. Soil, gravel, rock and clay loam. No timber. Some grass. Undergrowth, sagebrush, yellow brush and black sage.

July 14, 1915.

*Edward N. Thompson,*  
U. S. Transitman.

Survey executed with a Young & Sons light mountain transit, No. 8584, described in this book in notes of the Salt Lake Meridian, T. 29 S., where test of instrument also is recorded.

July 14, 1915: At 7h 6m a.m., l.m.t., I set off  $38^{\circ}14'$  N. on the lat. arc;  $21^{\circ}49'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., heretofore described.

Thence

N.  $0^{\circ}02'$  W., bet. secs. 33 and 34,

Ascending gradually over rocky rolling mountainous land, through scrubby, short, dense sage and yellow brush.

SUBDIVISION T. 29 S., R. 1 E.

Chains

5.00 Top of ridge, 5 ft. above cor., bears N.80°E. and S.80°W.  
Descend.

13.70 Bottom of draw, 20 ft. below ridge, course E. Ascend.

25.00 Top of ridge, 25 ft. above draw, bears N.80°W. and SE. 100°W.  
Descend.

33.40 Bottom of draw, 20 ft. below ridge, course S.70°E.  
Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked.

$\frac{1}{4}$  S 33 | S 34  
1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. stands on top of ridge bearing N.70°W. and SE., 40 ft. above draw.

Descend.

57.10 Bottom of draw, 60 ft. below  $\frac{1}{4}$  cor. on ridge, course SE  
Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, with mound of stone around post, for cor. of secs. 27, 28, 33 and 34, with brass cap marked

T 29 S | R 1 E  
S 28 | S 27  
-----  
S 33 | S 34  
1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 130 ft. above bottom of draw.

Land, rocky, rolling mountainous.

Soil, rocky, volcanic formation; average depth 1 to 3 ft.

No timber.

Undergrowth, sage and yellow brush; average, 1 ft. high.

Good grass for grazing.

40.00 East, on a random line bet. secs. 27 and 34.  
Set temp.  $\frac{1}{2}$  sec. cor.

SUBDIVISION T. 29 S., R. 1 E.

Chains	
79.96	Intersect N. and S. line 2 lks. S. of the cor. of secs. 26, 27, 34 and 35.
	July 14, 1915: At this cor. I set off 21°46'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°15'N.
	Thence
	S. 89°59'W., on a true line bet. secs. 27 and 34.
	Descending over rolling mountainous land, through undergrowth of short, scrubby black sage, yellow brush and grass.
2.36	Bottom of swale, course S.
	Ascend.
21.06	Top of ridge, 130 ft. above swale, bears N. and S.
	Descend.
34.96	Bottom of swale, 70 ft. below ridge, course S.
	Ascend.
39.98	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 27
	$\frac{1}{4}$
	<hr style="width: 10%; margin: 0 auto;"/>
	S 34
	1915
	and raise a mound of stone, 2 ft. base; 1½ ft. high, N. of cor.
	Cor. 25 ft. above swale.
51.76	Top of ridge, 90 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.
	Descend.
61.16	Bottom of swale, 40 ft. below ridge, course S. 20° E.
	Ascend abruptly.
67.96	Top of ridge, 50 ft. above swale, bears N. and S.
	Descend abruptly.
76.26	Bottom of swale, 55 ft. below ridge, course S.
	Ascend.
79.96	The cor. of secs. 27, 28, 33 and 34.
	Cor. 30 ft. above swale.

344

SUBDIVISION T. 29 S., R. 1 E.

Chains

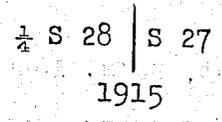
Land, rolling mountainous.  
 Soil, gravelly and rocky, brown, volcanic formation;  
 average depth, 1 to 3 ft.  
 No timber.  
 Undergrowth, short, scrubby black sage and yellow brush.  
 Good grass for grazing.

N.0°02'W., bet. secs. 27 and 28,

Ascending gradually over rocky, rolling mountainous  
 land, through dense undergrowth of sage, yellow and  
 bitter brush and grass.

30.00 Hollow, 4 chs. E. of line, course S.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in  
 the ground, with mound of stone around post, for  $\frac{1}{4}$   
 sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
 W. of cor.

Cor. 185 ft. above sec. cor.

43.00 Top of ridge, 7 ft. above  $\frac{1}{4}$  cor., bears N.10°E. and S.  
 10°W.

Descend.

50.00 Bottom of depression, 5 ft. below ridge, course W.

Ascend.

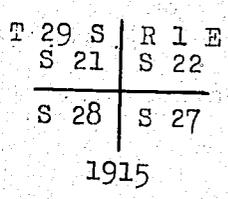
60.00 Top of ridge, 35 ft. above depression, bears E. and W.

Descend.

75.00 Bottom of depression, 20 ft. below ridge, course W.

Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in  
 the ground, with mound of stone around post, for cor.  
 of secs. 21, 22, 27 and 28, with brass cap marked



SUBDIVISION T. 29 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

Cor. 5 ft. above depression.

Land, rolling mountainous.

Soil, rocky; 1 to 2 ft. deep; volcanic stone.

No timber.

Undergrowth, sagebrush, yellow brush and bitter brush;  
average, 1½ ft. high.

Good grass for grazing.

N.89°59'E., on a random line bet. secs. 22 and 27.

40.00 Set temp. ¼ sec. cor.

79.95 Intersect N. and S. line 5 lks. N. of the cor. of secs.  
22, 23, 26 and 27.

Thence

N.89°59'W., on a true line bet. secs. 22 and 27,

Ascending over rocky, rolling mountainous land, through  
dense undergrowth of scrub sage and yellow brush,  
averaging 1 ft. in height; also grass.

30.95 Top of ridge, 175 ft. above sec. cor., bears NW. and S.  
Descend.

39.97½ Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
the ground, for ¼ sec. cor., with brass cap marked

S.22

¼

S 27

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.

Cor. stands in bottom of depression draining S., 15 ft.  
below ridge.

Ascend.

46.05 Top of ridge, 20 ft. above ¼ cor., bears N. and S.  
Descend.

59.85 Bottom of swale, 80 ft. below ridge, course S.10°E.

## SUBDIVISION T. 29 S., R. 1 E.

## Chains

74.95 Top of ridge, 110 ft. above swale, bears N.10°W. and S.10°E.

Descend.

79.95 The cor. of secs. 21, 22, 27 and 28.

Cor. 40 ft. below ridge.

Land, rocky, rolling mountainous.

Soil, gravelly; volcanic formation.

No timber.

Undergrowth, scrub sage and yellow brush.

Good grass for grazing.

July 14, 1915.

July 16, 1915: At 7h 6m a.m., l.m.t., I set off 38°16' N. on the lat. arc; 21°31' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27 and 28.

Thence

N.0°02'W., bet. secs. 21 and 22,

Ascending gradually over rolling, rocky mountainous land, through undergrowth of sage and yellow brush about 8 ins. in height.

20.00 Top of ridge; 90 ft. above sec. cor., bears S.30°E. and NW. Descend.

27.00 Bottom of swale, 30 ft. below ridge, course SE. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 21 | S 22

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 85 ft. above swale.

50.00 Top of ridge, 50 ft. above  $\frac{1}{4}$  cor., bears N.70°W. and S.80°E.

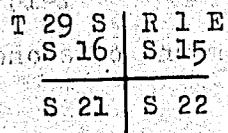
Descend over rolling mountainous land to

SUBDIVISION T. 29 S., R. 1 E.

Chains

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, with mound of stone around post, for cor. of secs. 15, 16, 21 and 22, with brass cap marked



.1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 250 ft. below 1/4 cor.

Land, rolling, rocky, mountainous.

Soil, rocky, volcanic stone, 1 to 3 ft. in depth.

No timber.

Undergrowth, sage and yellow brush averaging 1 ft. in height.

Grass, poor.

S. 89° 59' E., on a random line bet. secs. 15 and 22.

40.00 Set temp. 1/4 sec. cor.

79.94 Intersect N. and S. line at the cor. of secs. 14, 15, 22 and 23.

Thence

N. 89° 59' W., on a true line bet. secs. 15 and 22,

Ascending over rolling mountainous land, through undergrowth of scrub sage, yellow brush, bitter brush and grass.

19.94 Top of ridge, 65 ft. above sec. cor., bears N. 70° W. and S. 70° E.

Descend, across slope, 65 ft. to top of ridge.

28.94 Enter draw, 25 ft. below ridge, course SB.

34.94 Leave draw, course (NE. 2 1/2 S. 21 W.) to corner of sec. 14. Ascend.

39.97 Set an iron post, 3 ft. long, 2 1/2 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

## SUBDIVISION T. 29 S., R. 1 E.

## Chains

	S. 15 $\frac{1}{4}$ S 22 1915 and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. 10 ft. above draw.
43.04	Top of spur, .5 ft. above $\frac{1}{4}$ cor., bears N. and S. Descend.
48.14	Bottom of draw, 15 ft. below spur, course S.80°E. (Same draw) Ascend.
74.94	Top of ridge, 145 ft. above draw, bears N.20°E. and S.20°W. Descend.
79.94	The cor. of secs. 15, 16, 21 and 22. Cor. 3 ft. below top of ridge. Land, rolling mountainous. Soil, rocky, volcanic formation, 1 to 3 ft. deep. No timber. Undergrowth, sage, yellow brush and bitter brush, averaging 1 ft. in height. Grass, fair.
	N.0°02'W., bet. secs. 15 and 16. Descending over rolling mountainous land, through undergrowth of scrub sage and yellow brush.
5.00	Bottom of swale, 50 ft. below cor., course NE. Ascend.
10.00	Top of ridge, 10 ft. above swale, bears E. and W. Descend.
13.30	Bottom of draw, 15 ft. below ridge, course E. Ascend.
22.40	Top of ridge, 105 ft. above draw, bears N.70°W. and S.70°E. Descend.

SUBDIVISION T. 29 S., R. 1 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked.

$\frac{1}{4}$  S 16 | S 15

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 105 ft. below ridge.

47.90 Bottom of swale, 40 ft. below  $\frac{1}{4}$  cor., course N.60°E.

Ascend.

52.00 Top of ridge, 5 ft. above swale, bears E. and W.

Descend.

55.00 Bottom of draw, 35 ft. below ridge, course S.60°E.

Ascend.

73.10 Top of ridge, 170 ft. above draw, bears NW. and SE.

Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, with brass cap marked

T 29 S | R 1 E  
S 9 | S 10

S 16 | S 15

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Cor. 45 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 2 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

July 16, 1915.

July 17, 1915:

S.89°59'E., on a random line bet. secs. 10 and 15.



SUBDIVISION T. 29 S., R. 1 E.

Chains

Good grass for grazing.

N.0°02'W., bet. secs. 9 and 10,  
Descending gradually over rolling mountainous land,  
through scattering, short undergrowth of sage and  
yellow brush, and grass.

4.60 Bottom of draw, 15 ft. below cor., course E.

Ascend.

21.30 Top of ridge, 95 ft. above draw, bears E. and W.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in  
the ground, with mound of stone around post, for  $\frac{1}{4}$   
sec. cor., with brass cap marked

$\frac{1}{4}$  S 9 | S 10.

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. stands in bottom of draw draining E., 130 ft. below  
ridge.

Ascend.

48.00 Top of ridge, 45 ft. above  $\frac{1}{4}$  cor., bears E. and W.

Descend.

65.80 Bottom of draw, 100 ft. below ridge, course SE.

Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in  
the ground, with mound of stone around post, for cor.  
of secs. 3, 4, 9 and 10, with brass cap marked

T 29 S | R 1 E  
S 4 | S 3  
-----  
S 9 | S 10

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 50 ft. above draw.

Land, rolling mountainous.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Soil, rocky, volcanic stone, 1 to 2 ft. deep.  
No timber.  
Undergrowth, sage and yellow brush, averaging 1 ft. in height.  
Good grass for grazing.

July 17, 1915.

July 22, 1915: At 7h 6m a.m., l.m.t., I set off 38°18' N. on the lat. arc; 20°27' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 9 and 10.

Thence

N. 89°58'E., on a random line bet. secs. 3 and 10.

40.00

Set temp. 1/4 sec. cor.

80.12

Intersect N. and S. line 3 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Thence

S. 89°57'W., on a true line bet. secs. 3 and 10.

Ascending gradually, over rocky, rolling mountainous land, through dense, short undergrowth of sage and yellow brush, and grass.

10.12

Top of ridge, 45 ft. above cor., bears N. and S.

Descend.

35.12

Bottom of draw, 35 ft. below ridge, course SE.

Ascend.

40.06

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S 3  
1/4

S 10

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Cor. 15 ft. above draw.

53.12

Top of ridge, 85 ft. above 1/4 cor., bears NW. and SE.

## SUBDIVISION T. 29 S., R. 1 E.

Chains	Descend.
65.92	Head of swale, 30 ft. below ridge, course S.
	Ascend.
70.12	Top of ridge, 20 ft. above swale, bears N.20°E. and S. 20°W.
	Descend.
80.12	The cor. of secs. 3, 4, 9 and 10. 60 ft. below ridge. Land, rocky, rolling mountainous. Soil, gravelly, volcanic formation, 1 to 3 ft. deep. No timber. Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.
<p>July 22, 1915: Sky overcast at noon; observation for lat. impossible.</p> <p>N.0°02'W., on a random line bet. secs. 3 and 4.</p>	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
85.06	Intersect N. bdy. of Tp. 22 lks. W. of the cor. of secs. 3, 4, 33 and 34, heretofore described.
	Thence
	S.0°07'W., on a true line bet. secs. 3 and 4, Ascending over rolling mountainous land, through dense, short undergrowth of sagebrush, yellow brush, bitter brush and grass.
20.51	Top of ridge, 110 ft. above sec. cor., bears E. and W. Road on top of ridge, from Parker Lake to Loa, bears N.70°E. and S.70°W.
	Descend.
38.06	Head of hollow, 10 ft. below ridge, course SW. Ascend.
45.06	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION T. 29 S., R. 1 E.

Chains

1/4 S 4 | S 3

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Cor. 5 ft. above hollow.

50.06 Top of ridge, 5 ft. above 1/4 cor., bears NE. and SW.  
Descend.

65.06 Head of hollow, 35 ft. below ridge, course SW.  
Descend gradually.

85.06 The cor. of secs. 3, 4, 9 and 10.  
40 ft. below head of hollow.  
Land, rolling mountainous.  
Soil, gravelly, 1 to 3 ft. deep, volcanic formation.  
No timber.  
Undergrowth, sagebrush, yellow brush and bitter brush,  
averaging 1 ft. in height.  
Good grass for grazing.

July 22, 1915.

July 15, 1915: At 7h 6m a.m., l.m.t., I set off 38°14'  
N. on the lat. arc; 21°40'N. on the decl. arc; and  
determine a meridian with the solar at the cor. of secs.  
4, 5, 32 and 33, on the S. bdy. of the Tp., heretofore  
described.

Thence

N. 0°03'W., bet. secs. 32 and 33,

Ascending gradually over rolling mountainous land,  
through short, scrubby undergrowth of black sage,  
yellow brush, bitter brush and grass.

39.95 Trail, bears N. 20°W. and S. 20°E.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 32 | S 33

1915

## SUBDIVISION T. 29 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 60 ft. above sec. cor.

Continue gradual ascent over rolling mountainous land to  
77.20 Top of ridge, 135 ft. above  $\frac{1}{4}$  cor., bears NW. and E.

Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in  
the ground, for cor. of secs. 28, 29, 32 and 33, with  
brass cap marked

T 29 S	R 1 E
S 29	S 28
S 32	S 33

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 15 ft. below ridge.

Land, rolling mountainous.

Soil, gravelly, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, black sage, yellow brush and bitter brush.

Good grass for grazing.

East, on a random line bet. secs. 28 and 33.

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

79.94 Intersect N. and S. line 2 lks. N. of the cor. of secs.  
27, 28, 33 and 34.

Thence

$N.89^{\circ}59'W.$ , on a true line bet. secs. 28 and 33,  
Ascending over rolling mountainous land, through dense  
undergrowth of short sage and yellow brush.

1.44 Top of ridge, 5 ft. above sec. cor., bears N. and S.

Descend.

7.44 Bottom of draw, 85 ft. below ridge, course S.

Ascend.

18.04 Top of spur, 20 ft. above draw, projects S.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Descend.

22.14 Bottom of draw, 10 ft. below spur, course S.80°E.

Ascend.

39.97 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 28

$\frac{1}{4}$

S 33

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Cor. stands on top of ridge, bearing NW. and SE., 130 ft. above draw.

Descend.

48.14 Bottom of draw, 10 ft. below  $\frac{1}{4}$  cor., course SE.

Ascend.

67.94 Top of ridge, 115 ft. above draw, bears N. and S.

Descend.

72.54 Bottom of depression, 10 ft. below ridge, course NE.

Ascend.

79.94 The cor. of secs. 28, 29, 33 and 34.

70 ft. above depression.

Land, rolling mountainous.

Soil, brown, rocky, volcanic, 1 to 3 ft. deep; 2nd and 3rd rate.

No timber.

Undergrowth, dense sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

July 15, 1915: At this cor. I set off  $21^{\circ}37'N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ}15'N.$

N.  $0^{\circ}03'W.$ , bet. secs. 28 and 29,

## SUBDIVISION T. 29 S., R. 1 E.

## Chains

Descending gradually over rocky, rolling mountainous land, through undergrowth of short scrub sage and yellow brush.

- 5.00 Bottom of swale, 20 ft. below cor., course SE.  
Ascend.
- 10.00 Top of ridge, 5 ft. above swale, bears E. and W.  
Descend.
- 28.80 Bottom of draw, 50 ft. below ridge, course SE.  
Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked
- |      |      |
|------|------|
| S 29 | S 28 |
| 1915 |      |
- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Cor. 85 ft. above draw.
- 45.00 Top of ridge, 15 ft. above  $\frac{1}{4}$  cor., bears NW. and SE.  
Descend.
- 62.50 Road in bottom of draw, 175 ft. below ridge. Road bears NW. and SE.; course of draw, SE.  
Ascend.
- 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, with mound of stone around post, for cor. of secs. 20, 21, 28 and 29, with brass cap marked
- |        |       |
|--------|-------|
| T 29 S | R 1 E |
| S 20   | S 21  |
| S 29   | S 28  |
| 1915   |       |
- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Cor. 210 ft. above draw.  
Land, rocky, rolling mountainous.  
Soil, rocky, 1 to 3 ft. deep; volcanic stone.  
No timber.  
Undergrowth, sage and yellow brush.

## SUBDIVISION T. 29 S., R. 1 E.

Chains	Good grass for grazing.
	S.89°59'E., on a random line bet. secs. 21 and 28.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.94	Intersect N. and S. line 2 lks. N. of the cor. of secs. 21, 22, 27 and 28.
	Thence
	N.89°58'W., on a true line bet. secs. 21 and 28, Descending over rolling mountainous land, through undergrowth of scrub sage and yellow brush.
7.94	Bottom of swale, 55 ft. below sec. cor., course S. Ascend.
14.54	Top of ridge, 30 ft. above swale, bears N. and S. Descend.
28.64	Bottom of swale, 110 ft. below ridge, course S. Ascend.
39.97	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> <math display="block">\begin{array}{r} \text{S } 21 \\ \frac{1}{4} \\ \hline \text{S } 28 \end{array}</math>           1915         </div> and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Cor. 60 ft. above swale.
50.44	Top of ridge, 105 ft. above $\frac{1}{4}$ cor., bears N.20°W. and S.20°E. Descend.
63.74	Bottom of swale, 50 ft. below ridge, course S.20°E. Ascend.
74.94	Top of ridge, 85 ft. above swale, bears N. and S.35°E. Descend.
79.94	The cor. of secs. 20, 21, 28 and 29. 25 ft. below ridge. Land, rocky, rolling mountainous.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Soil, gravelly, 1 to 3 ft. deep; volcanic subsoil.  
 No timber.  
 Undergrowth, scrub sage and yellow brush, averaging 1 ft.  
 in height.  
 Grass, poor.

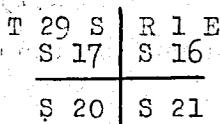
July 15, 1915.

July 16, 1915:

N.0°03'W., bet. secs. 20 and 21,

Ascending gradually over rocky, rolling mountainous  
land, through undergrowth of scrub sage and yellow  
brush.

- 6.00 Top of ridge, 20 ft. above cor., bears E. and W.  
Descend.
  - 27.60 Bottom of depression, 90 ft. below ridge, course S.70°W.  
Ascend.
  - 40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in  
the ground, with mound of stone around post, for  $\frac{1}{4}$   
sec. cor., with brass cap marked
- |                    |      |
|--------------------|------|
| $\frac{1}{4}$ S 20 | S 21 |
|--------------------|------|
- 1915
- and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.
  - Cor. 85 ft. above depression.
  - 57.40 Top of ridge, 100 ft. above  $\frac{1}{4}$  cor., bears N.20°W. and  
S.20°E.  
Descend.
  - 75.00 Bottom of swale, 100 ft. below ridge, course E.  
Ascend.
  - 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in  
the ground, for cor. of secs. 16, 17, 20 and 21,  
with brass cap marked



SUBDIVISION T. 29 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Cor. 20 ft. below ridge.

Land, rocky, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Good grass for grazing.

July 16, 1915: At this cor. I set off 21°28'N. on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is 38°17'N.

S.89°58'E., on a random line bet. secs. 16 and 21.

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect N. and S. line 5 lks. S. of the cor. of secs.  
15, 16, 21 and 22.

Thence

West, on a true line bet. secs. 16 and 21,  
Descending over rolling mountainous land, through dense  
undergrowth of sage and yellow brush.

5.02 Bottom of swale, 25 ft. below sec. cor., course NE.  
Ascend.

24.92 Top of ridge, 65 ft. above swale, bears N. and S.  
Descend.

29.92 Bottom of draw, 5 ft. below ridge, course NE.  
Ascend.

39.96 Set an iron post, 3 ft. long, 1 1/2 in. diam., 26 ins. in  
the ground, for 1/4 sec. cor., with brass cap marked

S. 16

1/4  
S 21

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
N. of cor.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Cor. 50 ft. above draw.

51.12 Top of ridge, 95 ft. above  $\frac{1}{4}$  cor., bears NW. and SE.  
Descend.

64.92 Bottom of swale, 45 ft. below ridge, course S.  
Ascend gradually.

79.92 The cor. of secs. 16, 17, 20 and 21.  
15 ft. above swale.

Land, rolling mountainous.

Soil, gravelly, volcanic formation, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush.

Good grass for grazing.

July 16, 1915.

July 17, 1915: At 7h 6m a.m., l.m.t., I set off  $38^{\circ}17'$   
N. on the lat. arc;  $21^{\circ}21'$  N. on the decl. arc; and  
determine a meridian with the solar at the cor. of  
secs. 16, 17, 20 and 21.

Thence

$N.0^{\circ}03'W.$ , bet. secs. 16 and 17,

Ascending gradually over rocky, rolling mountainous  
land, through dense, short undergrowth of sage and  
yellow brush.

25.90 Top of ridge, 160 ft. above sec. cor., bears NW. and SE.  
Descend.

34.20 Small clump of aspens about 4 chs. W. of line.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 17 | S 16

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

W. of cor.

Cor. 100 ft. below ridge.

53.70 Bottom of swale, 45 ft. below  $\frac{1}{4}$  cor., course E.  
Ascend.

SUBDIVISION T. 29 S., R. 1 E.

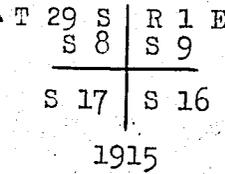
Chains

66.00 Top of ridge, 65 ft. above swale, bears NW. and SE.  
Descend.

70.90 Bottom of draw, 40 ft. below ridge, course S.60°E.

71.00 Small clump of aspens about 3 chs. W. of line.  
Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in  
the ground, for cor. of secs. 8, 9, 16 and 17, with  
brass cap marked



and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

Cor. 40 ft. above draw.

Land, rocky, rolling mountainous.

Soil, rocky, 1 to 3 ft. deep; volcanic formation.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Good grass for grazing.

East, on a random line bet. secs. 9 and 16.

40.00 Set temp. ¼ sec. cor.

79.90 Intersect N. and S. line 2 lks. S. of the cor. of secs.  
9, 10, 15 and 16.

Thence

S.89°59'W., on a true line bet. secs. 9 and 16,  
Ascending over rolling mountainous land, through dense  
undergrowth of sage and yellow brush.

7.70 Top of ridge, 65 ft. above sec. cor., bears NW. and SE.  
Descend.

24.50 Bottom of draw, 125 ft. below ridge, course S.  
Ascend.

29.10 Top of ridge, 10 ft. above draw, bears N.20°E. and S.  
10°W.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Descend  
36.10 Bottom of draw, 60 ft. below ridge, course S.10°E.  
Ascend.

39.95 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in  
the ground, with mound of stone around post, for  $\frac{1}{4}$   
sec. cor., with brass cap marked

S 9  
 $\frac{1}{4}$   
-----  
S 16

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

N. of cor.

Cor. 40 ft. above draw.

Continue ascent, over rolling mountainous land, to

79.90 The cor. of secs. 8, 9, 16 and 17.

230 ft. above  $\frac{1}{4}$  cor.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 2 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Good grass for grazing.

N.0°03'W., bet. secs. 8 and 9,

Ascending over rocky, rolling mountainous land, through

dense, short undergrowth of sage and yellow brush.

4.20 Top of ridge, 20 ft. above cor., bears E. and W.

Descend.

32.60 Bottom of draw, 225 ft. below ridge, course E.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in

the ground, with mound of stone around post, for  $\frac{1}{4}$

sec. cor., with brass cap marked

$\frac{1}{4}$  S 8 | S.9

1915

SUBDIVISION T. 29 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.  
Cor. 15 ft. above draw.

41.70 Top of ridge, 20 ft. above 1/4 cor., bears E. and W.  
Descend.

47.00 Bottom of draw, 15 ft. below ridge, course E.  
Ascend.

54.50 Top of ridge, 20 ft. above draw, bears NW. and SE.  
Descend.

61.50 Head of swale, 5 ft. below ridge, course SE.  
Ascend.

76.50 Top of ridge, 40 ft. above swale, bears N.30°W. and SE.  
Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in  
the ground, for cor. of secs. 4, 5, 8 and 9, with  
brass cap marked

T 29 S	R 1 E
S 5	S 4
S 8	S 9

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Cor. 15 ft. below ridge.

Land, rocky, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 2 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Good grass for grazing.

July 17, 1915.

July 22, 1915:

N.89°59'E., on a random line bet. secs. 4 and 9.

40.00 Set temp. 1/4 sec. cor.

79.84 Intersect N. and S. line at the cor. of secs. 3, 4, 9  
and 10.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Thence

S.89°59'W., on a true line bet. secs. 4 and 9,

Descending over mountainous land, through undergrowth  
of sage and yellow brush.

2.94 Bottom of draw, 15 ft. below sec. cor., course S.

Ascend.

6.34 Top of ridge, 10 ft. above draw, bears NW. and SE.

Descend.

8.84 Bottom of draw, 5 ft. below ridge, course SE.

Ascend.

39.92 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked.

S 4

$\frac{1}{4}$

S 9

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor.

Cor. 115 ft. above draw.

47.84 Top of ridge, 55 ft. above  $\frac{1}{4}$  cor., bears NW. and SE.

Descend.

67.44 Bottom of draw, 30 ft. below ridge, course SE.

Ascend. gradually.

79.84 The cor. of secs. 4, 5, 8 and 9.

75 ft. above draw.

Land, rocky, mountainous.

Soil, gravelly, volcanic formation, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Good grass for grazing.

N.0°04'W., on a random line bet. secs. 4 and 5.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

85.30 Intersect N. bdy. of Tp. at the cor. of secs. 4, 5, 32

SUBDIVISION T. 29 S., R. 1 E.

Chains	
	and 33, heretofore described.
	Thence
	S.0°04'E., on a true line bet. secs. 4 and 5,
	Ascending over rolling mountainous land, through
	undergrowth of sage and yellow brush.
22.30	Top of ridge, 20 ft. above sec. cor., bears E. and W.
	Descend.
33.90	Bottom of draw, 85 ft. below ridge, course E.
	Ascend.
42.90	Top of spur, 40 ft. above draw, projects SE.
	Descend.
45.30	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in
	the ground, with mound of stone around post, for $\frac{1}{4}$
	sec. cor., with brass cap marked
	$\frac{1}{4}$ S 5   S 4 1915
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high,
	W. of cor.
	Cor. 5 ft. below spur.
47.00	Bottom of draw, course N.15°E.
	Ascend.
63.80	Top of ridge, 150 ft. above draw, bears E. and W.
	Descend.
77.60	Old road, bears NE. and SW.
81.10	Head of draw, 25 ft. below ridge, course SE.
	Ascend.
85.30	The cor. of secs. 4, 5, 8 and 9.
	25 ft. above draw.
	Land, rolling mountainous.
	Soil, rocky, 1 to 2 ft. deep.
	No timber.
	Undergrowth, sage and yellow brush, averaging 1 ft. in
	height.
	Good grass for grazing.

July 22, 1915.

*Soll P. Howard*  
U. S. Surveyor.

## SUBDIVISION T. 29 S., R. 1 E.

## Chains

July 15, 1915: At 8h 6m a.m., l.m.t., I set off  $38^{\circ}15'$  N. on the lat. arc;  $21^{\circ}39'$  N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., heretofore described.

Thence

N.  $0^{\circ}03'$  W., bet. secs. 31 and 32,

Descending over rolling mountainous land, through aspen timber and undergrowth of sagebrush, black sage and bunch grass.

5.00 Head of draw, 13 ft. below sec. cor., course SE.; leave timber, bearing NW. and SE.

Ascend.

19.97 Spur, 54 ft. above draw, projects SE.

Descend.

24.97 Head of draw, 1 ft. below spur, course S.  $80^{\circ}$  E.

Ascend.

39.94 Ridge, 58 ft. above head of draw, bears N.  $80^{\circ}$  W. and S.  $80^{\circ}$  E.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S. 31 | S 32.

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

48.30 Head of draw, 14 ft. below ridge, course SE.

Ascend.

63.30 Point of ridge, 13 ft. above draw, bears E. and W.

Descend.

63.40 Enter aspens, bearing E. and W.

69.75 Head of swale, 48 ft. below ridge; course E.; leave aspens.

Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap marked

SUBDIVISION T. 29 S., R. 1 E.

Chains

T 29 S	R 1 E
S 30	S 29
S 31	S 32

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high

W. of cor. Corner falls 10 ft. above swalc.

Land, rolling mountainous.

Soil, gravel, clay loam and rock.

Timber, aspen.

Undergrowth, sagebrush, black sage and bunch grass.

July 15, 1915: At this cor. I set off 21°37'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°15'N.

East, on a random line bet. secs. 29 and 32.

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect N. and S. line 2 lks. S. of the cor. of secs. 28, 29, 32 and 33.

Thence

S.89°59'W., on a true line bet. secs. 29 and 32,

Ascending over rolling mountainous land, through

undergrowth of sagebrush and bunch grass.

4.04 Ridge, bears N. and SE., 20 ft. above sec. cor.

Descend.

18.50 Draw, 66 ft. below ridge, course S.10°W.

Ascend.

29.93 Ridge, 70 ft. above draw, bears N.20°E. and S.20°W.

Descend.

36.92 Draw, 33 ft. below ridge, course S.

Ascend.

39.96 Set an iron post, 3 ft. long, 1 in. diam., 1 1/4 ins. in the ground, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

S 29

1/4

S 32

1915

SUBDIVISION T. 29 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
N. of cor.

43.51 Ridge, 15 ft. above draw, bears N. and S.  
Descend.

50.01 Bottom of draw, 19 ft. below ridge, course SE.  
Ascend.

54.99 Ridge, 25 ft. above draw, bears N. and S.  
Descend.

62.92 Old road to Parker Lake, bears N. and S.

62.96 Draw, 44 ft. below ridge, course S.  
Ascend.

79.92 The cor. of secs. 29, 30, 31 and 32.  
124 ft. above draw.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush, black sage and bunch grass.

July 15, 1915.

July 20, 1915: At 8h 6m a.m., l.m.t., I set off 38°15'  
N. on the lat. arc; 20°49'N. on the decl. arc; and  
determine a meridian with the solar at the cor. of  
secs. 29, 30, 31 and 32.

Knowing that closing corners will be necessary on the  
west boundary, I run

West, on a true line bet. secs. 30 and 31,

Ascending gradually over rolling mountainous land,  
through sagebrush, black sage and scattering aspens.

5.90 Enter aspens, bearing N. and S.

13.12 Ridge, 132 ft. above cor., bears N. and S.; leave aspens,  
bearing N. and S.

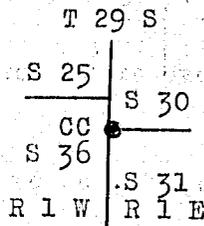
29.67 Intersect Salt Lake Meridian 6.06 chs. S.1°56'E. of the  
cor. of secs. 25 and 36, heretofore described.

Set an iron post, 3 ft. long, 2 ins. diam., 2 1/2 ins. in  
the ground, for closing cor. of secs. 30 and 31, with

SUBDIVISION T. 29 S., R. 1 E.

Chains

brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
E. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

Timber, aspen.

Undergrowth, sagebrush, black sage and grass.

July 20, 1915.

July 15, 1915:

N.0°03'W., bet. secs. 29 and 30;

Ascending over mountainous land, through undergrowth  
of sagebrush.

- 3.20 Top of ridge, 5 ft. above sec. cor., bears E. and W.  
Descend.
- 16.83 Draw, 82 ft. below ridge, course S.80°E.  
Ascend.
- 29.57 Ridge, 120 ft. above draw, bears NE. and SW.  
Descend.
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
the ground, for ¼ sec. cor., with brass cap marked  

¼ S 30	S 29
--------	------

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

Cor. 62 ft. below ridge.  
Ascend.

- 42.40 Old road, bears NE. and SW.
- 50.00 Spur, 13 ft. above ¼ cor., projects E.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Descend.

70.07

Old road to Parker Lake, 52 ft. below spur, bears N.20° W. and S.20°E.

70.67

Draw, 54 ft. below spur, course S.70°E.

Ascend.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, with brass cap marked

T 29 S	R 1 E
S 19	S 20
S 30	S 29

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,

W. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber.

Undergrowth, sagebrush and bunch grass.

July 15, 1915.

July 16, 1915: At 8h 6m a.m., l.m.t., I set off 38°16' N. on the lat. arc; 21°30' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence

N.89°59'E., on a random line bet. secs. 20 and 29.

40.00

Set temp. ¼ sec. cor.

79.92

Intersect N. and S. line 2 lks. S. of the cor. of secs. 20, 21, 28 and 29.

Thence

S.89°58'W., on a true line bet. secs. 20 and 29,

Descending over rolling mountainous land, through

undergrowth of sagebrush, black sage, yellow brush and bunch grass.

13.80

Draw, 166 ft. below sec. cor., course S.10°E.

SUBDIVISION T. 29 S., R. 1 E.

Chains	
13.81	Old road in bottom of draw bears N.10°W. and S.10°E. Ascend.
39.92	Head of draw, 140 ft. above old road, course E.
39.96	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S. 20
	$\frac{1}{4}$
	S 29
	1915
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
56.52	Top of ridge, 120 ft. above head of draw, bears N. and S. Descend.
61.96	Old road to Parker Lake, 45 ft. below ridge, bears N. and S.
65.26	Draw, 11 ft. below road, course S. Ascend.
76.02	Point of ridge, 54 ft. above draw, bears NW. and SE. Descend.
79.92	The cor. of secs. 19, 20, 29 and 30. 10 ft. below ridge. Land, rolling mountainous. Soil, gravel, rock and clay loam. No timber. Undergrowth, sagebrush, black sage, yellow brush and bunch grass.

July 16, 1915.

July 20, 1915:

For reasons already explained, I run  
West, on a true line bet. secs. 19 and 30,  
Descending over rolling mountainous land, through  
undergrowth of sagebrush.

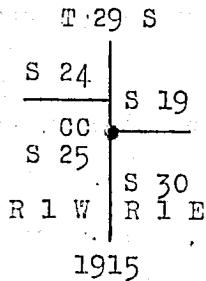
4.98 Draw, 30 ft. below sec. cor., course SE.

Ascend gradually.

## SUBDIVISION T. 29 S., R. 1 E.

Chains

- 7.28 Old road to Parker Lake, 3 ft. above draw, bears NW. and SE.
- 28.95 Enter scattering aspen timber.
- 31.54 Intersect Salt Lake Meridian 6.01 chs. S.1°25'E. of the cor. of secs. 24 and 25, heretofore described.  
Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of secs. 19 and 30, with brass cap, marked



from which

An aspen 12 ins. diam. bears N.39°30'E., 24 lks. dist., marked CC T 29 S R 1 E S 19 B T.

An aspen 8 ins. diam. bears S.58°30'E., 56 lks. dist., marked CC T 29 S R 1 E S 30 B T.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

Timber, aspen.

Undergrowth, sagebrush and bunch grass.

July 20, 1915.

July 16, 1915:

N.0°03'W., bet. secs. 19 and 20,

Ascending over rolling mountainous land, through undergrowth of sagebrush, black sage, yellow brush and bunch grass.

- 9.67 Ridge, 46 ft. above sec. cor., bears NW. and SE.

Descend.

- 18.25 Draw, 40 ft. below ridge, course SE.

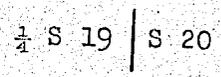
Ascend.

- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in

SUBDIVISION T. 29 S., R. 1 E.

Chains

the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked.



1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

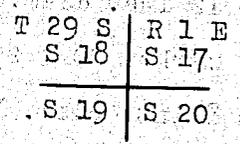
Cor. 44 ft. above draw.

44.00 Ridge, 50 ft. above draw, bears NW. and SE. Descend.

59.78 Draw, 92 ft. below ridge, course S.75°E. Ascend.

70.99 Ridge, 188 ft. above draw, bears E. and W. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, with brass cap marked



1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber.

Undergrowth, Sagebrush, black sage, yellow brush and bunch grass.

July 16, 1915: Sky overcast at noon; observation for lat. impossible.

N.89°58'E., on a random line bet. secs. 17 and 20.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.95 Intersect N. and S. line 9 lks. N. of the cor. of secs. 16, 17, 20 and 21.

Thence

N.89°58'W., on a true line bet. secs. 17 and 20.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Descending over rolling mountainous land, through undergrowth of sage and yellow brush.

5.45 Draw, course SE., 10 ft. below sec. cor.

Ascend.

11.04 Top of ridge, 28 ft. above draw, bears N. and S.

Descend.

35.63 Old road, 96 ft. below ridge, bears N. and S.

36.07 Draw, 5 ft. below road, course S.

Ascend.

39.97 1/2 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

$$\begin{array}{r} S\ 17 \\ \frac{1}{4} \\ \hline \end{array}$$

S 20

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

45.06 Top of ridge, 74 ft. above draw, bears NW. and SE.

Descend.

56.04 Draw, 44 ft. below ridge, course SE.

Old road bears N. and S.

Ascend.

79.95 The cor. of secs. 17, 18, 19 and 20.

135 ft. above draw.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber.

Undergrowth, sage and yellow brush.

Good grass for grazing.

July 16, 1915.

July 20, 1915: At the cor. of secs. 17, 18, 19 and 20, I set off 20°47'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°17'N.

For reasons already explained, I run

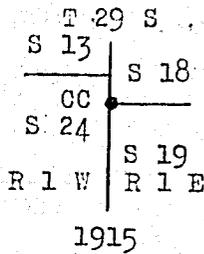
SUBDIVISION T. 29 S., R. 1 E.

Chains

West, on a true line bet. secs. 18 and 19, Ascending E. slope of ridge, through dense sagebrush and scattering aspens.

33.32 Intersect Salt Lake Meridian 5.84 chs. S.1°25'E. of the corner of sections 13 and 24, heretofore described.

Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of secs. 18 and 19, with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor.

Cor. 246 ft. above sec. cor.

Land, rolling mountainous.

Soil, gravel and clay loam.

Timber, aspen.

Undergrowth, sagebrush and bunch grass.

July 20, 1915.

July 17, 1915: At 8h 6m a.m., l.m.t., I set off 38°17' N. on the lat. arc; 21°20' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20.

Thence

N.0°03'W., bet. secs. 17 and 18,

Descending N. slope of ridge, through dense sagebrush.

13.45 Draw, 72 ft. below sec. cor., course S. 80°E.

Ascend.

29.90 Ridge, 88 ft. above draw, bears NW. and SE.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in

SUBDIVISION T. 29 S., R. 1 E.

Chains

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 18		S 17
--------------------	--	------

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

W. of cor.

50.69

Bottom of draw, 92 ft. below ridge, course SE.

Ascend.

70.00

Ridge, 78 ft. above draw, bears S.60°E. and N.60°W.

Descend.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 22 ins. in the ground, with mound of stone around post, for cor. of secs. 7, 8, 17 and 18, with brass cap marked

T 29 S		R 1 E
S 7		S 8

S 18		S 17
------	--	------

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

W. of cor.

Cor. 40 ft. below ridge.

Land, rolling mountainous.

Soil, gravel and rocky clay loam.

No timber.

Undergrowth, sagebrush. Good grass for grazing.

July 17, 1915: At this cor. I set off  $21^{\circ}18'N.$  on the decl. arc; and observe the sun on the meridian; the resulting lat. is  $38^{\circ}18'N.$

S.  $89^{\circ}58'E.$ , on a random line bet. secs. 8 and 17.

40.00

Set temp.  $\frac{1}{4}$  sec. cor.

79.96

Intersect N. and S. line 8 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence

S.  $89^{\circ}59'W.$ , on a true line bet. secs. 8 and 17,

Ascending over rolling mountainous land, through dense undergrowth of sagebrush.

19.09

Top of ridge, 162 ft. above sec. cor., bears N.  $80^{\circ}E.$  and

SUBDIVISION T. 29 S., R. 1 E.

Chains

S.80°W.

Descend.

31.28 Head of draw, 30 ft. below ridge, course N.

Ascend.

36.97 Top of same ridge, 20 ft. above draw, bears NW. and SE.

Descend.

39.98 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked.

S 8

$\frac{1}{4}$

S 17

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor., 15 ft. below ridge.

66.86 Bottom of draw and road, 145 ft. below ridge, course SE.

Ascend.

79.96 The cor. of secs. 7, 8, 17 and 18.

62 ft. above draw.

Land, rolling mountainous.

Soil, rocky clay loam.

No timber.

Undergrowth, sagebrush.

Good grass.

July 17, 1915.

July 20, 1915:

For reasons already explained, I run

West, on a true line bet. secs. 7 and 18,

Ascending E. slope of ridge, through dense undergrowth of black sage.

6.76 Ridge, 28 ft. above sec. cor., bears NW. and SE.

Descend.

14.76 Swale, 5 ft. below ridge, course SE.

Ascend.

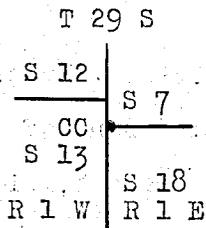
20.26 Road from Parker Lake to Loa, 5 ft. above swale, bears NE. and S.30°W.

24.16 Spur, 15 ft. above swale, projects SE.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Descend.  
 35.00 Draw, 16 ft. below spur, course SE.  
 35.15 Intersect Salt Lake Meridian 6.00 chs. S.1°25'E.  
 of the corner of sections 12 and 13, heretofore described.  
 Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, with mound of stone around post, for closing cor. of secs. 7 and 18, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

Land, rolling mountainous.  
 Soil, gravel and clay loam.  
 No timber.  
 Undergrowth, sagebrush, black sage, yellow brush and bunch grass.

July 20, 1915.

July 17, 1915:

N.0°03'W., bet. secs. 7 and 8,

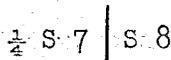
Descending over rolling mountainous land, through dense undergrowth of sagebrush.

16.68 Bottom of draw, 41 ft. below sec. cor., course SE.  
 Ascend.

20.68 Old road, bears SE.

27.28 Old road from Parker Lake to Loa, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and mound of stone, for ¼ sec. cor., with brass cap marked



1915

SUBDIVISION T. 29 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor.

Cor. stands on top of ridge bearing N. 30° W. and S. 30° E.

98 ft. above draw.

Descend.

49.98

Bottom of swale, 35 ft. below 1/4 cor., course W.

Ascend.

62.98

Top of spur, projects W., 20 ft. above swale.

Descend.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, with mound of stone around post, for cor. of secs. 5, 6, 7 and 8, with brass cap marked

T 29 S	R 1 E
S 6	S 5
S 7	S 8

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor.

Cor. falls 70 ft. below spur.

Land, rolling mountainous.

Soil, rocky clay loam.

No timber.

Undergrowth, ungobruch. Bunch grass.

July 17, 1915.

July 19, 1915: At 8h. 6m a.m., l.m.t., I set off 38° 19' N. on the lat. arc; 20° 59' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 7 and 8.

Thence

N. 89° 59' E., on a random line bet. secs. 5 and 8.

40.00

Set temp. 1/4 sec. cor.

79.91

Intersect N. and S. line 7 1/2 lks. S. of the cor. of secs. 4, 5, 6 and 9.

Thence

S. 89° 56' N., on a true line bet. sec. 5 and 8,

## SUBDIVISION T. 29 S., R. 1 E.

Chains

Descending over rolling mountainous land, through dense undergrowth of sagebrush.

13.70 Top of ridge bears NW. and SE., 10 ft. below sec. cor.

14.90 Old road from Parker Lake to Loa bears N.60°E. and S. 60°W.

18.20 Draw, 30 ft. below ridge, course N.5°E.

Ascend.

36.34 Top of spur, 80 ft. above draw, projects N.35°W.

Descend.

39.97 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked.

S 5

$\frac{1}{4}$

S 8

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Cor. 1 ft. below spur.

49.96 Head of draw, course N., 15 ft. below spur. Ascend.

59.95 Head of draw, course N. 30 ft. above draw.

Continue ascent.

79.94 The cor. of secs. 5, 6, 7 and 8.

55 ft. above last draw.

Land, rolling mountainous.

Soil, rocky clay loam.

No timber.

Undergrowth, sagebrush. Bunch grass.

July 19, 1915.

July 20, 1915:

For reasons already explained, I run

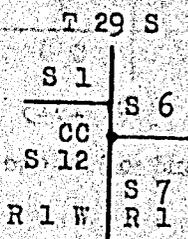
West, on a true line bet. secs. 6 and 7,

Descending over rolling mountainous land, through dense undergrowth of sagebrush.

SUBDIVISION T. 29 S., R. 1 E.

Chains

- 10.00 Swale, 7 ft. below sec. cor., course N.10°E. of Ascend.
- 24.00 Ridge, 18 ft. above swale, bears N.10°E. and S.10°W.
- 24.26 Enter aspen timber, bearing N. and S.
- 26.70 Leave aspen timber, bearing N.15°W. and S.
- 32.28 Draw, 34 ft. below ridge, course N. Ascend.
- 32.78 Road, 3 ft. above draw, bears N.10°W. and SE.
- 37.05 Intersect Salt Lake Meridian 6.14 chs. S.1°25'E. of the cor. of secs. 1 and 12, heretofore described. Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for closing cor. of secs. 6 and 7, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor. of sec. 6.

Land, rolling mountainous.

Soil, gravel and clay loam.

Timber, aspen.

Undergrowth, sagebrush, yellow brush and bunch grass.

July 20, 1915.

July 19, 1915: At the cor. of secs. 5, 6, 7 and 8, I set off 20°57'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°20'N.

Thence N.0°03'W. on a random line bet. secs. 5 and 6.

- 40.00 Set temp. ¼ sec. cor.
- 85.68 Intersect N. bdy. of Tp. 7 lns. E. of cor. secs. 5, 6, 31 and 32, heretofore described.

SUBDIVISION T. 29 S., R. 1 E.

Chains

Thence

S.0°06'E., on a true line bet. secs. 5 and 6,

Over rolling mountainous land, through dense undergrowth of sagebrush and grass.

.85 Bottom of draw, course NE.

Ascend.

15.84 Top of ridge, 110 ft. above draw, bears E. and W.

Descend.

27.93 Bottom of draw, 50 ft. below ridge, course E.

Ascend.

32.20 Top of spur, 30 ft. above draw, projects E.

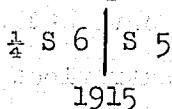
Descend.

40.76 Old road from Parker Lake to Loa, bears NE. and SW.

41.08 Bottom of wash in draw, 3 lks. wide, 4 ft. deep, 55 ft. below spur, course NE.

Ascend.

45.68 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor., 55 ft. above hollow.

60.67 Enter aspen timber bearing E. and W.

61.77 Top of ridge, 220 ft. above wash, bears E. and W.

Leave aspens.

62.14 Bottom of draw, 10 ft. below ridge, course N.15°E.

Ascend.

85.68 The cor. of secs. 5, 6, 7 and 8.

110 ft. above draw.

Land, rolling mountainous.

Soil, gravel and rocky clay loam.

Timber, aspen.

Undergrowth, sagebrush and good grass.

July 19, 1915.

SUBDIVISION T. 29 S., R. 1 E.

*Edward M. Thompson*  
U. S. Transitman.

## GENERAL DESCRIPTION

In general this township is a rolling mountainous country with an average elevation of about 8,700 ft. The northwestern portion is the highest and the general slope and drainage is southeasterly into a canyon in the east range of sections which drains northerly.

The soil is a rocky and gravelly clay soil, formed from the disintegration of volcanic rock, is from one to four ft. deep and is underlaid with a solid volcanic rock formation. In general the soil is shallow, on the ridges one to two ft. deep and in the hollows two to four ft.

A heavy short undergrowth of black sage and yellow brush covers the entire township, and during the average season rich and nutritious grasses grow abundantly all over it. It is valuable chiefly as a grazing country. It is used for grazing principally in the fall and spring, for cattle and sheep, as there is no water in the township, and melting snow must be relied on to furnish the stock with water.

The nearest water is at Parker Lake, which is about one-third of a mile west of the NW. corner of sec. 19. This lake covers from one to twenty acres of land and is from one to three ft. in depth during the average season. It lies in a natural basin and is fed from the melting snow and rain and is very poor water, especially late in the season. In very dry seasons it goes entirely dry.

There are no settlers in the township, and no

GENERAL DESCRIPTION T. 29 S., R. 1 E. (CONTINUED)

indications of mineral or coal.

There are no improvements in the township.

A poor wagon road crosses the northwestern part of the township from Loa to Parker Lake. It is used principally as a wood road to Loa. Another old road crosses the southwestern part of the township and is used only occasionally by cattle and sheep men.

There are a few scattering cedar and pinon pine trees in the extreme eastern part of the township, and a few groves of aspen timber in the western portion, but none of this timber has any commercial value.

*Scott B. Stewart*

U. S. Surveyor.

*Edward W. Thompson*

U. S. Transitman.

Boundaries T. 29 S.R.1 E.

Latitudes, Departures and Closing Errors.

Lines Designated	Course	Distance chs.	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
Salt Lake Meridian	North	5.97	5.97			
W. Bdy.	N. 1° 56' W.	80.05	80.00			2.70
"	N. 1° 25' W.	320.08	320.00			7.92
"	N. 1° 27' W.	79.71	79.68			2.02
North Edy.	S. 89° 47' W.	439.06		1.66	439.06	
East Edy.	South	483.98		483.98		
South Edy.	West	426.94				426.94
Convergency					.52	
			485.65	485.64	439.58	439.58
			485.64		439.58	
Error in lat. and dep.			.01		.00	

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FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final oath of U.S. Surveyor and final certificate of U.S. Transitman see book "J" T.27 S., R.1 E.

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented by the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
Salt Lake City, Utah, March 26, 191 \_\_\_\_\_

The foregoing field notes of the ~~survey of~~ retracement and resurvey of the Salt Lake Meridian, Township No. 29 South, between Ranges Nos. 1 East and West, and survey of the subdivision of Township No. 29 South, Range No. 1 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and Edward N. Thompson under <sup>their</sup> special instructions dated May 4, 191 4, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the ~~retracements, resurveys and~~ surveys they describe, are hereby approved.

*[Signature]*  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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BOOK A-422

H

# FIELD NOTES

OF THE SURVEY OF THE

*Book 13*

RETRACEMENT AND RESURVEY OF THE SALT LAKE MERIDIAN

TOWNSHIP NO. 28 SOUTH, BETWEEN RANGES NOS. 1 EAST AND 1 WEST,

AND

SURVEY OF THE

SUBDIVISION OF TOWNSHIP NO. 28 SOUTH, RANGE NO. 1 EAST,

Of the SALT LAKE BASE AND Meridian,

the State of U T A H

EXECUTED BY

SCOTT P. STEWART AND EDWARD N. THOMPSON

and U.S. Transition  
in the capacity of U. S. Surveyor, under instructions dated May 4, 1914,

assigned by the United States Surveyor General to govern surveys included in

Group No. 27, which were approved by the Commissioner of the General Land

Office, May 29, 1914; assignment instructions issued by the

Assistant Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced July 21, 1915

Survey completed August 5, 1915.

BOOK A-422

4-679 b

# INDEX DIAGRAM.

Township 28 S, Range 1 E

393	6	468	5	452	4	440	3	428	2	416	1	36
403		467		456		457		439		427		415
393	7	465	8	450	9	438	10	425	11	414	12	35
401		464		463		449		437		424		413
394	18	462	17	447	16	436	15	423	14	412	13	33
400		461		460		447		434		422		410
394	19	459	20	445	21	433	22	421	23	409	24	32
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394	30	456	29	443	28	431	27	419	26	407	25	31
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395	31	453	32	441	33	429	34	417	35	405	36	30

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INDEX DIAGRAM.

Township 28 S, Range 1 E

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394	462	447	436	423	412	33
400	461	460	447	434	422	410
394	459	445	433	421	409	32
398	458	457	444	432	420	408
394	456	443	431	419	407	31
397	455	454	442	430	418	406
395	453	441	429	417	405	30

RETRACEMENT OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains.

Survey commenced July 23, 1915, and executed with a Young & Sons solar transit, No. 8584, for description and test of which see notes of the retracement of the Salt Lake Meridian, T.29 S., between Rs.1 E., and 1 W. July 23, 1915: At 8h.6m a.m.l.m.t., I set off 38° 24'N. on the lat.arc; 20° 14'N.on the decl.arc; and determine a meridian with the solar at the old cor.of Tps. 27 and 28 S., Rs.1 E., and 1 W., which is a granite stone 5 x 12 x 6 ins. above ground, firmly set in a small stone mound, marked S L M on NE.face, with 6 notches on N., S., E., and W.edges.

Thence,

South, on a retracement line bet.secs.1 and 6,

39.92 Fall 92 lks.W.of the old 1/4 sec.cor., which is a trachyte stone 8 x 8 x 6 ins.above ground, firmly set and marked 1/4 on W.face; but not witnessed.

79.92 Fall 184 lks.W.of the old cor.of secs.1,6,7, and 12, which is a trachyte stone 8 x 8 x 10 ins.above ground, firmly set and properly marked; but not witnessed.

The course of this mile is therefore S.1° 19'E., and the distance of the north half-mile 39.91 chs.; and the south half-mile 39.99 chs.

In order to better find old corners, I offset over cor. and run

S.1° 19'E.on a retracement line bet.secs.7 and 12,

40.05 Fall 4 lks.W.of the old 1/4 sec.cor., which is a trachyte stone 12 x 10 x 12 ins.above ground, firmly set, and marked 1/4 on W.face; but not witnessed.

79.86 Fall 10 lks.W.of the old cor.of secs.7,12,13, and 18, which is a trachyte stone 8 x 8 x 10 ins.above ground, firmly set and marked with 2 notches on N., 4 on S., and 6 on E.and W.edges; but not witnessed.

RETRACEMENT OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains.

I offset over cor., and run

S. 1° 19' E. on a retracement line bet. secs. 13 and 15,

39.81 Fall 7 lks. W. of the old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 7 x 10 x 6 ins. above ground, firmly set and marked  $\frac{1}{4}$  on W. face; but not witnessed.

79.81 Fall 12 lks. W. of the old cor. of secs. 13, 18, 19, and 24, which is a trachyte stone 11 x 9 x 6 ins. above ground, firmly set and marked with 3 notches on N. and S., and 6 notches on E. and W. edges; but not witnessed.

July 23, 1915: At this cor. I set off 20° 12' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 22' N.

I offset over cor., and run

S. 1° 19' E. on a retracement line bet. secs. 19 and 24,

40.00 Fall 5 lks. W. of old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 6 x 8 x 10 ins. above ground, firmly set and marked  $\frac{1}{4}$  on W. face; but not witnessed.

30.00 Fall 13 lks. W. of the old cor. of secs. 19, 24, 25, and 30, which is a trachyte stone 6 x 10 x 12 ins. above ground, firmly set, and marked with 2 notches on S., 4 on N., and 6 on E. and W. edges; but not witnessed.

I offset over cor., and run

S. 1° 19' E. on a retracement line bet. secs. 25 and 30,

39.83 Fall 11 lks. W. of the old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 6 x 8 x 12 ins. above ground, loosely set, and marked  $\frac{1}{4}$  on W. face; but not witnessed.

79.76 Fall 21 lks. W. of the old cor. of secs. 25, 30, 31, and 36, which is a granite stone 12 x 10 x 6 ins. above ground, marked and witnessed as described by the surveyor-general.

79.81 Point 21 lks. W. of position of cor. of secs. 25, 30, 31, and 36

RETRACEMENT OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains.

36, as re-established at later date, under instructions contained in U.S. Surveyor-General's letter dated July 17, 1915.

The course of the line between the cor. of secs. 1, 6, 7, and 12 and the cor. of secs. 25, 30, 31, and 36, is S. 1° 25' E., and the proportionate length of each mile 79.87 chs.

I offset over old cor., and run S. 1° 19' E. on a retracement line bet. secs. 31 and 36, Fall 9 lks. W. of the old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 6 x 8 x 10 ins. above ground, firmly set, and marked  $\frac{1}{4}$  on W. face; but not witnessed.

40.15

The re-established cor. of Tps. 28 and 29 S., Rs. 1 E. and 1 W., heretofore described.

80.08

The course of this mile is therefore S. 1° 27' E., and the distance of the north half-mile 40.15 chs., and the south half-mile 39.93 chs.

Note: The north half-mile was later made 40.10 chs., under instructions contained in U.S. Surveyor-General's letter dated July 17, 1915.

July 23, 1915.

July 27, 1915:  
From the re-established cor. of Tps. 28 and 29 S., Rs. 1 E. and 1 W.,

N. 1° 27' W., on a resurvey line bet. secs. 31 and 36, Descending over mountainous land; through dense, short undergrowth.

19.33

Old road, bears N. 80° W., and S. 80° E.

19.43

Bottom of Parker Hollow, 85 ft. below corner, drains S.

RESURVEY OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains.

80° E. There is a small spring about 20.00 chs. S. 80° W. in this hollow.

Ascend.

35.03

Top of ridge, 200 ft. above hollow, bears E. and W.

Descend.

Difference between measurements of 39.93 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 39.92 chs.

By 2d set 39.94 chs.; the mean of which is

39.93

The old  $\frac{1}{4}$  sec. cor., which I re-establish as follows:

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor. with brass cap marked

$\frac{1}{4}$ S 36	S 31
1915	

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner 30 ft. below ridge.

49.13

Head of hollow, 65 ft. below  $\frac{1}{4}$  sec. cor., drains E. Ascend.

60.13

Top of ridge, 35 ft. above hollow, bears E. and W.

Descend.

75.93

Head of hollow, 115 ft. below ridge, drains N. 50° E.

Ascend.

Difference between measurements of 80.08 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 80.06 chs.

By 2d set 80.10 chs.; the mean of which is

80.08

The old cor. of secs. 25, 30, 31, and 36.

In accordance with instructions contained in U.S. Surveyor-General's letter dated July 17, 1915, I move this corner 5 lks. S. 1° 27' E., and at

80.03

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, with old corner alongside, for cor. of secs. 25, 30, 31, and 36, with brass cap marked

T 28 S	
R 1 W	R 1 E
S 25	S 30
S 36	S 31
1915	

RESURVEY OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains.

and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Corner 15 ft. above hollow.

Land, rolling mountainous.

Soil, rocky, volcanic formation, 1 to 2 ft. deep.

Undergrowth, sagebrush, yellow brush, and bitter brush, averaging 1 ft. in height.

Good grass for grazing.

No. timber.

July 27, 1915: At 8h 6m a.m. l.m.t., I set off 38° 20' N. on the lat. arc; 19° 24' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 25, 30, 31, and 36. Thence

N. 1° 25' W. on a resurvey line bet. secs. 25 and 30,

Ascending over rolling, mountainous land; through dense, short undergrowth.

2.07 Top of ridge, bears NE. and SW. Descend.

19.07 Bottom of draw, 155 ft. below ridge, drains NE.

Ascend.

34.87 Top of ridge, 60 ft. above draw, bears NE. and SW.

Descend.

Difference between measurements of 39.93½ chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 39.91½ chs.

By 2d set 39.95½ chs.; the mean of which is

39.93½ The proportionate point for ¼ sec. cor.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼ S 25 | S 30

1915

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Corner 20 ft. below ridge.

I destroy the old ¼ sec. cor.

47.57 Bottom of draw, 20 ft. below ¼ sec. cor., drains NE.

RESURVEY OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains.

Ascend.

49.87 Top of ridge, 5 ft. above draw, bears E. and W.

Descend.

52.27 Bottom of swale, 20 ft. below ridge, drains E.

Ascend.

59.87 Top of ridge, 30 ft. above swale, bears NE. and SW.

Descend.

77.47 Bottom of swale, 55 ft. below ridge, drains NE.

Ascend.

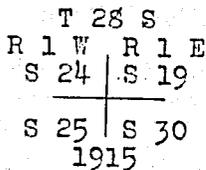
Difference between measurements of 79.87 chs., by two sets of chainmen is 4 lks.; position of middle point

By 1st set 79.85 chs.

By 2d set 79.89 chs.; the mean of which is

79.87 The proportionate point for section corner.

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 19, 24, 25, and 30, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Corner 10 ft. above swale.

I destroy the old sec. corner.

Land, rolling, mountainous.

Soil, gravelly, volcanic stone, 1 to 3 ft. deep.

Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.

No timber.

N. 1° 25' W. on a resurvey line bet. secs. 19 and 24, Ascending over rolling, mountainous land; through dense, short undergrowth.

29.87 Top of ridge, 20 ft. above sec. cor., bears NE. and SW.

RESURVEY OF THE SALT LAKE MERIDIAN  
T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains. Descend.

Difference between measurements of 39.93½ chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 39.92½ chs.

By 2nd set 39.94½ chs.; the mean of which is

39.93½ The proportionate point for ¼ sec. cor.

Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground, to solid rock, with mound of stone around post, for ¼ sec. cor., with brass cap marked

¼ S 24	S 19
1915	

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Corner 25 ft. below ridge.

I destroy the old ¼ sec. cor.

42.37 Draw, 3 ft. below ¼ sec. cor., drains NE. Ascend.

43.27 Old road, bears NE. and SW.

69.87 Top of ridge, 105 ft. above draw, bears NE. and SW.

Descend.

Difference between measurements of 79.87 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 79.86 chs.

By 2nd set 79.88 chs.; the mean of which is

79.87 The proportionate point for sec. cor.

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, with brass cap marked

T 28 S			
R 1 W	R 1 E		
S 13	S 18		
-----			
S 24	S 19		
1915			

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Corner 25 ft. below ridge.

I destroy the old sec. corner.

Land, rolling, mountainous.

Spill, gravelly, 1 to 3 ft. deep.

Undergrowth, sagebrush, yellow, and bitter brush, av-

RESURVEY OF THE SALT LAKE MERIDIAN  
T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains.

eraging 1 ft. in height. Grass poor.

No timber.

July 27, 1915: At this cor. I set off  $19^{\circ} 21' N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ} 22' N.$

$N. 1^{\circ} 25' W.$ , on a resurvey line bet. secs. 13 and 18, Descending gradually over rolling, mountainous land, through short undergrowth.

22.50

Bottom of canyon, 80 ft. below cor., drains  $N. 60^{\circ} E.$  Ascend.

Difference bet. measurements of  $39.93\frac{1}{2}$  chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set  $39.92\frac{1}{2}$  chs.

By 2d set  $39.94\frac{1}{2}$  chs., the mean of which is

$39.93\frac{1}{2}$

The proportionate point for  $\frac{1}{4}$  sec. cor.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. sec. 13 only, with brass cap marked

$\frac{1}{4}$  S 13 |

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

I destroy the old  $\frac{1}{4}$  sec. cor.

Corner 30 ft. above canyon, on top of ridge, bearing  $N. 50^{\circ} E.$ , and  $S. 45^{\circ} W.$

Descend.

43.50

Old road, bears NE. and SW.

51.30

Bottom of canyon, 60 ft. below  $\frac{1}{4}$  sec. cor., drains NE.;

old road in bottom of canyon bears NE. and SW.

Ascend.

64.00

Top of ridge, 20 ft. above canyon, bears  $N. 60^{\circ} E.$ , and SW.

Descend.

69.90

Bottom of canyon, 35 ft. below ridge, drains NE.

RESURVEY OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains.

Ascend.

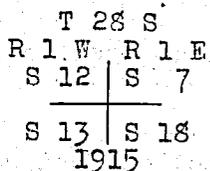
Difference bet. measurements of 79.87 chs., by two sets of chainmen is 3 lks.; position of middle point

By 1st set 79.85½ chs.

By 2d set 79.88½ chs.; the mean of which is

79.87 Proportionate point for sec. cor.

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

I destroy the old sec. cor.

Corner 10 ft. above canyon.

Land, rolling, mountainous.

Soil, gravelly, volcanic formation, 1 to 3 ft. deep.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Grass poor.

No timber.

N. 1° 25' W. on a resurvey line bet. secs. 7 and 12,

Ascending gradually over rolling, mountainous land; through dense, short undergrowth.

2.50 Old road, bears N. 70° W., and S. 80° E.

4.50 Enter scattering cedar, pinon pine, and aspen timber, bearing E. and W.

5.00 Top of rocky spur, 10 ft. above cor., bears E. and W.

Descend.

Difference bet. measurements of 39.93½ chs., by two sets of chainmen, is 2 lks.; position of middle point

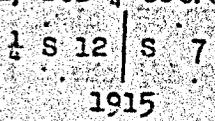
By 1st set 39.92½ chs.

RESURVEY OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains. By 2d set 39.94 $\frac{1}{2}$  chs.; the mean of which is 39.93 $\frac{1}{2}$  The proportionate point for  $\frac{1}{4}$  sec. cor.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor. Corner 65 ft. below ridge.

I destroy the old  $\frac{1}{4}$  sec. cor.

45.00 Leave timber, bearing E. and W.

45.00 Bottom of hollow, 35 ft. below  $\frac{1}{4}$  sec. cor., drains N. 80° E. Ascend.

50.00 Top of ridge, 10 ft. above hollow, bears N. 80° E., and S. 80° W. Descend.

53.10 Bottom of swale, 10 ft. below ridge, drains N. 80° E. Ascend.

59.09 Top of ridge, 25 ft. above swale, bears N. 70° E., and S. 70° W. Descend.

64.10 Center of draw, 20 ft. below ridge, drains E. Ascend.

77.05 Top of ridge, 50 ft. above draw, bears E. and W. Descend.

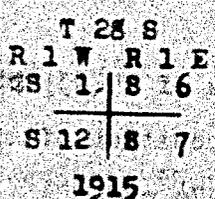
Difference bet. measurements of 79.87 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 79.85 chs.

By 2nd set 79.89 chs.; the mean of which is

79.87 The old cor. of secs. 1, 6, 7, and 12, which I re-establish as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, alongside of old cor., for cor. of secs. 1, 6, 7, and 12, with brass cap marked



RESURVEY OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

Land, rolling mountainous.

Soil, gravelly, volcanic formation, 1 to 3 ft. deep.

Timber, cedar, pinon pine and aspen.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Grass, poor.

N.1°19'W., on a resurvey line bet. secs. 1 and 6,  
Descending over rolling, mountainous land, through  
short, dense undergrowth.

7.80 Bottom of canyon, 50 ft. below cor., drains E.  
Ascend.

17.66 Top of ridge, 75 ft. above canyon, bears E. and W.  
Descend.

25.30 Bottom of swale, 5 ft. below ridge, drains E.  
Ascend.

37.00 Top of ridge, 25 ft. above swale, bears N.70°E. and  
S.70°W. Descend.

Difference bet. measurements of 39.99 chs., by two sets  
of chainmen, is 2 lks.; position of middle point

By 1st set, 39.98 chs.

By 2nd set, 40.00 chs.; the mean of which is

39.99 The old ¼ sec. cor., which I re-establish as follows:

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, alongside of old cor., for ¼ sec. cor.,  
with brass cap marked

¼ S 1 | S 6  
1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

41.80 Head of hollow, 2 ft. below ¼ sec. cor., drains E.  
Ascend.

50.00 Top of ridge, 15 ft. above hollow, bears N.50°E. and

RESURVEY OF THE SALT LAKE MERIDIAN

T. 28 S., BETWEEN RS. 1 E. AND 1 W.

Chains

S. 50° W. Descend.

65.10 Bottom of hollow, 50 ft. below ridge, drains NE.  
Ascend.

78.00 Top of ridge, 60 ft. above hollow, bears E. and W.  
Descend.

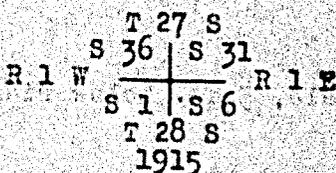
Difference bet. measurements of 79.90 chs., by two sets  
of chainmen, is 2 lks.; position of middle point

By 1st set, 79.91 chs.

By 2nd set, 79.89 chs.; the mean of which is

79.90 The old cor. of Tps. 27 and 28 S., Rs. 1 E. and 1 W.,  
which I re-establish as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 20 ins.  
in the ground, in a mound of stone, alongside of old  
cor., for cor. of Tps. 27 and 28 S., Rs. 1 E. and 1 W.  
with brass cap marked



and raise a mound of stone; 2 ft. base, 1 1/2 ft. high;  
S. of cor.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 2 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Good grass for grazing.

July 27, 1915.

*Scott V. Stewart*  
U. S. Surveyor.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Survey commenced July 21, 1915, and executed with a Young & Sons light mountain transit, No. 8146, with solar attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the latitude, declination and vertical arcs.

The instrument was approved by the assistant supervisor of surveys, May 6, 1915.

For complete test of instrument see notes of the survey of the Subdivision of T. 29 S., R. 1 E.

July 21, 1915: At 8h 6m a.m., l.m.t., I set off 38°20' N. on the lat. arc; 20°38' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., heretofore described.

Thence

N.0°01'W., bet. secs. 35 and 36,

Descending over N. slope of ridge, through scrub sage and yellow brush.

13.65 Draw, 75 ft. below cor., drains NE. Ascend.

17.95 Spur, 6 ft. above draw, projects NE. Descend.

21.75 Draw, 20 ft. below ridge, drains N.80°E. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 35 | S 36

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

49.30 Ridge, 95 ft. above draw, bears NE. and SW.

49.50 Descend over N. slope of ridge.

71.05 Draw, 99 ft. below ridge, drains NE. Ascend.

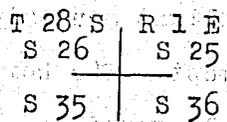
78.65 Ridge, 6 ft. above draw, bears NE. and SW. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 26, 35 and 36,

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

with brass cap marked.



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber. Very little grass for grazing.

Undergrowth, black sage and yellow brush.

- 40.00 S.89°47'E., on a random line bet. secs. 25 and 36. Set temp. 1/4 sec. cor.
- 79.96 Intersect E. bdy. of Tp. 7 lks. S. of the cor. of secs. 25, 30, 31 and 36, heretofore described. July 21, 1915: Sky overcast at noon; observation for lat. impossible. Thence N.89°50'W., on a true line bet. secs. 25 and 36, Over rolling, mountainous land, through undergrowth of sage and yellow brush. Ascend.
- 6.86 Spur, 13 ft. above cor., bears N.75°W. and S.75°E. Descend.
- 20.76 Draw, 15 ft. below spur, drains S.80°E. Ascend. E. slope of spur.
- 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, in a mound of stone, for 1/4 sec. cor., with brass cap marked. S 25 S 36 1/4 1915 and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

- 49.97 Spur, 70 ft. above draw, projects N.30°E.  
Descend.
- 56.97 Swale, 3 ft. below spur, drains N.40°E.  
Ascend.
- 64.97 Ridge, 18 ft. above swale, bears N.70°E. and S.70°W.  
Descend.
- 67.98 Draw, 18 ft. below ridge, drains NE.  
Ascend.
- 79.96 The cor. of secs. 25, 26, 35 and 36, 45 ft. above draw.  
Land, rolling mountainous.  
Soil, gravel and clay loam.  
No timber. Very little grass for grazing.  
Undergrowth, black sage, yellow brush and scattering sagebrush.

N.0°01'W., bet. secs. 25 and 26,

Descending over N. slope of ridge, through scrubby black sage and yellow brush.

- 6.09 Draw, 20 ft. below sec. cor., drains NE.
- 7.00 Ascend S. slope of ridge, bearing NE. and SW.
- 19.98 Ridge, 30 ft. above draw, bears NE. and SW.
- 20.20 Descend N. slope of ridge, bearing NE. and SW.
- 35.95 Draw, 60 ft. below ridge, drains NE. Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  

$\frac{1}{4}$ S 26	S 25
1915	

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Cor. on top of spur projecting N.80°E., 7 ft. above draw. Descend.

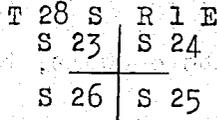
- 43.70 Draw, 4 ft. below spur, drains S.80°E.  
Ascend.
- 79.47 Ridge, 85 ft. above draw, bears E. and W.  
Descend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber. Very little grass for grazing.

Undergrowth, black sage, yellow brush and sagebrush.

July 21, 1915.

July 23, 1915: At 8h 6m a.m., l.m.t., I set off 38°22' N. on the lat. arc; 20°14' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.

Thence

S.89°50'E., on a random line bet. secs. 24 and 25.

40.00

Set temp. 1/4 sec. cor.

79.84

Intersect E. bdy. of Tp. at the cor. of secs. 19, 24, 25 and 30, heretofore described.

Thence

N.89°50'W., on a true line bet. secs. 24 and 25,

Descending over rolling, mountainous land, through sage and yellow brush.

6.81

Wash, 50 ft. below cor., 4 lks. wide, 2 ft. deep, drains N.10°W.

11.47

Wash, 4 lks. wide, 3 ft. deep, 70 ft. below other wash, drains N.20°E.

15.86

Small wash, 12 ft. below preceding wash, drains N.10°E. Ascend.

17.37

Draw, 21 ft. above wash, drains N.10°E.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains  
 39.92 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S\ 24 \\ \frac{1}{4} \\ \hline S\ 25 \\ 1915 \end{array}$$

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. :

51.19 North slope of knoll, 275 ft. above draw, bears toward north. Descend.

79.84 The cor. of secs. 23, 24, 25 and 26, 88 ft. below knoll.

Land, rolling mountainous.  
 Soil, gravel and clay loam.  
 No timber. Very little grass for grazing.  
 Undergrowth, black sage, yellow brush and sagebrush.  
 July 23, 1915: At this cor. I set off  $20^{\circ}12'N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ}22'N.$

$N.0^{\circ}01'W.$ , bet. secs. 23 and 24,

Descending over N. slope of ridge, through undergrowth of black sage and yellow brush.

22.38 Draw, 140 ft. below sec. cor., drains NE.

22.50 Ascend S. slope of spur.

29.90 Spur, 25 ft. above draw, projects NE.

Descend.

36.18 Draw, 33 ft. below spur, drains  $N.60^{\circ}E.$

36.30 Ascend S. slope of spur.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} S\ 23 \mid S\ 24 \\ 1915 \end{array}$$

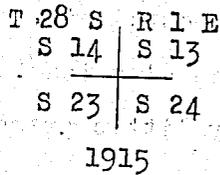
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

44.99 Spur, 42 ft. above draw, projects  $N.80^{\circ}E.$

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

- 46.19 Road from Loa to Parker Lake, bears E. and W.
- 49.00 Descend N. slope of spur.
- 51.78 Draw, 14 ft. below spur, drains E.
- 51.80 Ascend S. slope of ridge.
- 69.70 Enter mahogany and juniper.
- 73.29 Ridge, 130 ft. above draw, bears E. and W.
- 74.18 Descend abruptly N. slope of ridge.
- 77.18 Leave mahogany and juniper.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24. with brass cap marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 85 ft. below ridge.

Land, rolling mountainous.

Soil, gravel and clay loam.

Timber, mahogany and juniper.

Undergrowth, black sage, yellow brush, sagebrush and bunch grass.

July 23, 1915.

July 28, 1915: At 8h 6m a.m., l.m.t., I set off 38°22' N. on the lat. arc; 19°10'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24.

Thence

S.89°50'E., on a random line bet. secs. 13 and 24.

40.00 Set temp. ¼ sec. cor.

79.89 Intersect E. bdy. of Tp. at the cor. of secs. 13, 18, 19 and 24, heretofore described.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Thence

N.89°50'W., on a true line bet. secs. 13 and 24,

Ascending over rolling, mountainous land, through sage and yellow brush.

10.98 Spur, 97 ft. above cor., projects S.

Descend.

16.21 Head of draw, 11 ft. below spur, drains S.50°E.

Ascend. E. slope of ridge.

31.19 Ridge, 55 ft. above draw, bears N.10°E. and S.10°W.

Descend.

39.94½ Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground, in a mound of stone, for ¼ sec. cor., with brass cap marked

S 13

¼

S 24

1915

from which

A pine 16 ins. diam. bears N.56°06'E., 153 lks. dist., marked ¼ S 13 B T.

A pine 16 ins. diam. bears S.55°E., 70 lks. dist., marked ¼ S 24 B T.

Thence over rolling table land.

48.43 Outcropping ledge of volcanic rock, 19 ft. below ridge.

52.69 Draw, 46 ft. below ledge, drains N.30°W. Leave timber, bearing N. and S. Ascend.

62.79 Spur, 15 ft. above draw, projects N.

Descend.

67.69 Old wood road from Loa, 3 ft. below spur, bears NE. and SW.

70.69 Head of draw, 7 ft. below road, drains N.20°E.

Ascend.

79.89 The cor. of secs. 13, 14, 23 and 24, 20 ft. above draw. Land, rolling mountainous.

Soil, gravel, rock and clay loam.

Timber, scattering juniper and pinon pine.

Very little grass for grazing.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Undergrowth, sagebrush, black sage and yellow brush.

N. 0° 01' W., bet. secs. 13 and 14,

Descending over N. slope of ridge.

2.90 Swale, 7 ft. below cor., drains E.

Ascend.

8.17 Top of ascent, outcropping ledge of volcanic rock.

10.97 Knoll, 33 ft. above swale, bears NE. and SW.

12.50 Descend N. slope of knoll.

26.33 Draw, 68 ft. below knoll, drains N. 80° E.

26.40 Ascend S. slope of ridge.

32.00 Enter juniper and pinon pine timber, bearing E. and SW.

32.51 Ridge, 28 ft. above draw, bears NE. and SW.

33.00 Descend N. slope of ridge, bearing NE. and SW.

36.11 Draw, 11 ft. below ridge, drains NE.

36.20 Ascend S. slope of ridge, bearing NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 14 | S 13

1915

and raise a mound of stone, 2 ft. base, 1  $\frac{1}{2}$  ft. high, W. of cor.

45.89 Ridge, 40 ft. above draw, bears NE. and SW.

46.00 Descend N. slope of ridge.

56.58 Draw, 32 ft. below ridge, drains E.

56.60 Ascend S. slope of ridge.

62.18 Ridge, 14 ft. above draw, bears NE. and SW.

62.68 Descend N. slope of ridge.

67.68 Swale, 12 ft. below ridge, drains NE. Ascend.

75.28 Spur, 6 ft. above swale, bears NE. and SW. Descend N. slope.

78.77 Draw, 12 ft. below spur, drains E. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, in a mound of stone, for cor. of secs.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

11, 12, 13 and 14, with brass cap marked

T 28 S	R 1 E
S 11	S 12
S 14	S 13

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

Timber, scattering juniper and pinon pine.

Undergrowth, black sage, yellow brush, sagebrush and grass.

July 28, 1915: At this cor. I set off 19°07'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°23'N.

S.89°50'E., on a random line bet. secs. 12 and 13.

40.00 Set temp. 1/4 sec. cor.

79.94 Intersect E. bdy. of Tp. 1 lk. S. of the cor. of secs. 7, 12, 13 and 18, heretofore described.

Thence

N.89°50'W., on a true line bet. secs. 12 and 13, Over rolling, mountainous land, through dense undergrowth. Ascend.

39.97 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, in a mound of stone, for 1/4 sec. cor., with brass cap marked

S 12

1/4

S 13

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Corner 65 ft. above sec. cor.

58.94 Ridge, 105 ft. above sec. cor., bears NE. and SW.

59.94 Descend W. slope of ridge.

74.94 Draw, 25 ft. below ridge, drains S.20°W.

Ascend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

79.94

The cor. of secs. 11, 12, 13 and 14, 1 ft. above draw. Land, rolling mountainous. Soil, gravel, rock and clay loam. Timber, scattering juniper and pinon pine along line. Undergrowth, sagebrush and bunch grass.

July 28, 1915.

July 29, 1915: At 8h 6m a.m., l.m.t., I set off 38°23' N. on the lat. arc; 18°56' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 11, 12, 13 and 14.

Thence

N.0°01'W., bet. secs. 11 and 12,

Ascending over S. slope of spur, through dense sagebrush and scattering juniper.

4.70

Spur, 11 ft. above sec. cor., bears E. and W.

5.10

Descend N. slope.

8.60

Small draw, 6 ft. below spur, drains N.80°E.

8.70

Ascend S. slope of ridge.

20.00

Leave scattering juniper.

28.80

Ridge, 18 ft. above draw, bears N.75°E. and S.75°W.

Old road bears NE. and SW. Descend.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 11 | S 12

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Corner 5 ft. below ridge.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, in a mound of stone, for cor. of secs. 1, 2, 11 and 12, with brass cap marked

T 28 S R 1 E  
S 2 | S 1

S 11 | S 12

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

## SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Cor. 20 ft. below ridge.  
 Land, rolling mountainous.  
 Soil, gravel, rock and clay loam.  
 Timber, juniper.  
 Undergrowth, sagebrush, black sage, yellow brush and grass.

S. 89° 50' E., on a random line bet. secs. 1 and 12.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.95 Intersect E. bdy. of Tp. 2 lks. N. of the cor. of secs. 1, 6, 7 and 12, heretofore described.

Thence.

N. 89° 49' W., on a true line bet. secs. 1 and 12,

Over rolling, mountainous land, through undergrowth of sagebrush. Ascend.

4.95 Spur, projects SE., 5 ft. above sec. cor.

Descend.

11.76 Head of draw, 12 ft. below spur, drains SE.

Ascend.

20.95 Old wood road from Loa, 24 ft. above draw, bears NE. and SW.

39.97 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 1  
 $\frac{1}{4}$

S 12  
 1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,

N. of cor., 35 ft. above draw.

July 29, 1915: At this  $\frac{1}{4}$  sec. cor. I set off 18° 53' N.

on the decl. arc; and at apparent noon observe the

sun on the meridian; the resulting lat. is 38° 24' N.

59.95 Ascend E. slope of ridge.

64.95 Top of ridge, 53 ft. above draw, bears N. and S.

Descend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains	
77.95	The cor. of secs. 1, 2, 11 and 12, 13 ft. below ridge. Land, rolling mountainous. Soil, gravel, rock and clay loam. No timber. Undergrowth, sagebrush, black sage and grass.
<hr/> Knowing that closing cor. will be necessary on N. bay,	
N. 0° 01' E., bet. secs. 1 and 2, on a true line, Descending over N. slope, through dense sagebrush and scattering juniper; soil, clay loam.	
3.80	Head of draw, 1 ft. below cor., drains S. 80° W.
4.00	Ascend S. slope of ridge.
10.00	Ridge, 7 ft. above draw, bears NE. and SW.
12.00	Descend N. slope of ridge.
16.40	Draw, 8 ft. below ridge, drains SW.
16.50	Ascend S. slope of ridge.
27.50	Ridge, 20 ft. above draw, bears NE. and SW. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked
$\begin{array}{c} \frac{1}{2} S 2 \quad   \quad S 1 \\ 1915 \end{array}$	
and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.	
45.00	Draw, 6 ft. below ridge, drains S. 80° W. Leave junipers. Ascend.
53.70	Spar, 13 ft. above draw, bears N. 80° W. and S. 80° E. Descend.
55.00	Head of draw, 6 ft. below spar, drains N. 80° E. Ascend.
77.15	Ridge, 40 ft. above draw, bears N. 80° E. and S. 80° W. Road to low, on ridge, bears N. 80° E. and SW. Descend.
78.87	Intersect the S. ldy. of T. 27 S., R. 1 E., 5:24 chs. S. 89° 45' E. of the cor. of secs. 35 and 36, heretofore described. At intersection

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for closing cor. of secs. 1 and 2, with brass cap marked

T 27 S R 1 E  
S 35 S 36

CC  
S 2 S 1  
T 28 S R 1 E  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

Timber, scattering juniper and pinon pine.

Undergrowth, sagebrush. Very little grass for grazing.

July 29, 1915.

July 22, 1915: At 8h 6m a.m., l.m.t., I set off 38°20' N. on the lat. arc; 20°26' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., heretofore described.

Thence

N.0°01'W., bet. secs. 34 and 35,

Descending over rolling, mountainous land, through scrubby black sage and yellow brush.

2.40 Draw, 7 ft. below cor., drains S.80°E.

Ascend.

10.00 Ridge, 14 ft. above draw, bears N.80°W. and S.80°E.

Descend.

39.47 Draw, 88 ft. below ridge, drains N.10°W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 34 | S 35

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

- 66.96 Recross draw draining N.40°E., 180 ft. below ridge.
- 69.97 Ascend E. slope of ridge, bearing N.40°E. and S.40°W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap marked

T. 28 S.	R. 1 E.
S. 27	S. 26

S. 34	S. 35
-------	-------

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, black sage, yellow brush, scattering sage-brush and bunch grass.

July 22, 1915: Sky overcast at noon; observation for lat. impossible.

S.89°47'E., on a random line bet. secs. 26 and 35.

40.00 Set temp. ¼ sec. cor.

80.01 Intersect N. and S. line 3 lks. S. of the cor. of secs. 25, 26, 35 and 36.

Thence

N.89°48'W., on a true line bet. secs. 26 and 35, Descending over W. slope of ridge, through undergrowth of scrub yellow brush and black sage.

6.30 Draw, 15 ft. below cor., drains N.50°E.

6.40 Ascend E. slope of ridge.

24.55 Ridge, 22 ft. above draw, bears NE. and SW.

34.55 Descend W. slope of ridge.

40.00½ Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

S 26

¼

S 35  
1915

SUBDIVISION OF T. 28 S., R. 1 E.

- Chains
- and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.
- 40.79 Draw, 28 ft. below ridge, drains N.80°E. Ascend E.  
slope of ridge.
- 54.96 Ridge, 73 ft. above draw, bears N.40°E. and S.40°W.  
Descend W. slope of ridge.
- 71.76 Draw, 38 ft. below ridge, drains NE.  
Ascend.
- 80.01 The cor. of secs. 26, 27, 34 and 35, 55 ft. above draw.  
Land, rolling mountainous.  
Soil, gravel and clay loam.  
No timber.  
Undergrowth, yellow brush, black sage, sagebrush, bitter  
brush and bunch grass.

- 
- N.0°01'W., bet. secs. 26 and 27,  
Ascending S. slope of ridge, through dense undergrowth  
of sagebrush, bitter brush and yellow brush.
  - 5.00 Spur, 2 ft. above sec. cor., projects NE.  
Descend.
  - 10.00 Swale, 6 ft. below spur, drains NE. Ascend.
  - 17.00 Road from Parker Lake to Loa, on top of spur, bears  
NE. and SW., 14 ft. above swale. Descend N. slope  
of ridge.
  - 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for ¼ sec. cor., with brass cap marked  

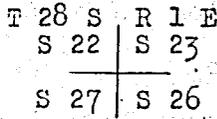
¼ S 27	S 26
1915	

  
and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor. ; 65 ft. below spur.
  - 50.00 Swale, 76 ft. below ridge, drains W.  
Ascend.
  - 75.00 Ridge, 48 ft. above swale, bears E. and W.  
Descend.
  - 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

in the ground, in a mound of stone, for cor. of secs. 22, 23, 26 and 27, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber.

Undergrowth, sagebrush, yellow brush, black sage and scattering bunch grass.

July 22, 1915.

July 30, 1915: At 9h 6m a.m., l.m.t., I set off 38°22' N. on the lat. arc; 18°41' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 22, 23, 26 and 27.

Thence

S.89°48'E., on a random line bet. secs. 23 and 26.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N. and S. line 2 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence

N.89°49'W., on a true line bet. secs. 23 and 26, Descending over rolling, mountainous land, through undergrowth of yellow brush and black sage.

15.03 Saddle on ridge, 13 ft. below cor., bears E. and W. Ascend, along top of ridge.

35.02 Point on top of ridge, 43 ft. above saddle, bears E., N. and S. Descend.

40.01 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, in a mound of stone, for 1/4 sec. cor., with brass cap marked

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

S 23

$\frac{1}{4}$

S 26

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.

41.23 Road from Parker Lake to Loa, 7 ft. below ridge, bears  
N.20°E. and S.20°W.

70.03 Head of draw, 42 ft. below ridge, drains N.40°E.  
Ascend.

80.02 The cor. of secs. 22, 23, 26 and 27, 28 ft. above draw.  
Land, rolling mountainous.  
Soil, gravel and clay loam.  
No timber. Very little grass for grazing.  
Undergrowth, yellow brush and black sage.

N.0°01'W., bet. secs. 22 and 23.

Descending N. slope of ridge, through dense undergrowth  
of black sage.

10.00 Head of ridge, 50 ft. below cor., bears N.10°E. and  
S.10°W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 22 | S 23

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

45.00 Swale, 116 ft. below ridge, drains W.  
Ascend.

53.70 Ridge, 11 ft. above swale, bears NW. and SE.  
Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 14, 15, 22 and 23,  
with brass cap marked

T 28 S | R 1 E

S 15 | S 14

S 22 | S 23

1915

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 75 ft. below ridge.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush, black sage, yellow brush and grass.

July 30, 1915: At this cor. I set off 18°39'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°22'N.

S.89°49'E., on a random line bet. secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

80.03 Intersect N. and S. line 5 lks. S. of the cor. of secs. 13, 14, 23 and 24.

Thence

N.89°51'W., on a true line bet. secs. 14 and 23,

Descending W. slope of ridge, through undergrowth of scrub sage and yellow brush.

30.19 Wash in bottom of draw, 3 lks. wide, 1 ft. deep, 48 ft. below sec. cor., drains N.5°E. Ascend.

40.01 1/2 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S 14

1/4

S 23  
1915

Dig pits 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist., and raise a mound of earth; 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.

42.80 Spur, 11 ft. above draw, projects N. Descend.

52.40 Road from Parker Lake to Loa, 15 ft. below spur, bears NW. and SE.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

62.10 Draw, 25 ft. below spur, drains N.  
Ascend.

76.80 Spur, 24 ft. above draw, projects N.  
Descend.

80.03 The cor. of secs. 14, 15, 22 and 23.  
Land, rolling mountainous.  
Soil, gravel and clay loam.  
No timber.  
Undergrowth, black sage, yellow brush and scattering  
sagebrush. Very little grass for grazing.

N.0°01'W., bet. secs. 14 and 15,  
Descending N. slope of spur, through dense undergrowth  
of black sage.

9.60 Draw, 25 ft. below sec. cor., drains NW. Ascend NW.  
slope of spur.

10.00 Road from Loa to Parker Spring, 10 ft. above draw, bears  
NW. and SE.

18.39 Spur, 40 ft. above draw, projects W. Descend N. slope  
of spur.

21.39 Small draw, 5 ft. below spur, drains W. Ascend SW.  
slope of ridge.

34.89 Abrupt ascent, bears NW. and SE.

38.46 Ridge, 180 ft. above draw, bears N.20°W. and S.20°E.  
Enter juniper timber. Descend.

39.95 Draw, 10 ft. below ridge, drains W. Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 2 ins.  
in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
with brass cap marked

$\frac{1}{4}$  S 15 | S 14  
1915

from which

A cedar 8 ins. diam. bears S.26°08'E., 90 lks.  
dist., marked  $\frac{1}{4}$  S 14 B T.

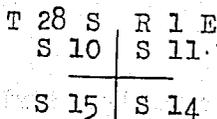
A cedar 6 ins. diam. bears S.18°37'W., 34 lks.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

dist., marked  $\frac{1}{2}$  S. 15 B T.

- 44.60 Spur, 5 ft. above  $\frac{1}{2}$  sec. cor., bears E. and W.
- 47.80 Descend abruptly over N. slope of ridge, bearing N.70°E. and S.70°W.
- 62.07 Draw, 120 ft. below ridge, drains S.80°W. Ascend.
- 64.56 Spur, 10 ft. above draw, projects W. Descend.
- 66.36 Draw, 10 ft. below spur, drains W. Ascend S. slope of spur.
- 78.66 Spur, 25 ft. above draw, projects W. Descend.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, in a mound of stone, for cor. of secs. 10, 11, 14 and 15, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

Timber, scattering juniper on N. 40.00 chs.

Undergrowth, sagebrush, black sage and yellow brush.

Very little grass for grazing. July 30, 1915.

July 31, 1915: At 8h 6m a.m., l.m.t., I set off 38°23' N. on the lat. arc; 18°27'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 10, 11, 14 and 15.

Thence

S.89°51'E., on a random line bet. secs. 11 and 14.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.13 Intersect N. and S. line 11 lks. N. of the cor. of secs.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

11, 12, 13 and 14.

Thence

N.89°46'W., on a true line bet. secs. 11 and 14,

Ascending over rolling, mountainous land, through dense undergrowth, and scattering timber.

18.94 Ridge, bears N.75°E. and S.75°W., 40 ft. above sec. cor. Desc.

29.75 Draw, 20 ft. below ridge, drains N.20°E.

Ascend.

33.94 Spur, 15 ft. above draw, projects NE.

Descend.

36.15 Draw, 10 ft. below spur, drains NE. Ascend.

40.06 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. in diam., 6 ins.

in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 11

$\frac{1}{4}$

S 14

1915

from which

A cedar 9 ins. diam. bears S.4°45'E., 50 lks.

dist., marked  $\frac{1}{4}$  S 14 B T.

A cedar 5 ins. diam. bears N.50°11'W., 103 lks.

dist., marked  $\frac{1}{4}$  S 11 B T.

Cor. 25 ft. above draw.

44.18 Ridge, bears NE. and SW., 35 ft. above draw.

Descend.

50.16 Leave juniper and pinon pine.

75.13 Swale, 75 ft. below ridge, drains N.30°W.

Ascend.

80.13 The cor. of secs. 10, 11, 14 and 15, 2 ft. above swale.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

Timber, juniper and pinon pine.

Undergrowth, sage and yellow brush. Very little grass for grazing.

N.0°01'W., bet. secs. 10 and 11,

SUBDIVISION OF T. 28 S., R. 1 E.

Chains					
	Descending over N. slope of ridge, through dense undergrowth of sagebrush.				
3.68	Swale, 25 ft. below sec. cor., drains W. Ascend.				
8.29	Spur, 10 ft. above swale, bears N.20°W. and S.20°E. Descend.				
14.37	Draw, 35 ft. below spur, drains N.80°W. Ascend.				
21.17	Spur, 10 ft. above draw, bears E. and W. Descend.				
26.14	Road to Parker Spring, 35 ft. below spur, bears N.30°E. and S.30°W.				
27.94	Bottom of wash in draw, 10 lks. wide, 3 ft. deep, 35 ft. below spur, drains NE.				
31.64	Recross road to Parker Spring, bearing NW. and S.20°E.				
33.74	Recross wash and road in draw; wash, 15 lks. wide; 3½ ft. deep, drains N.10°W.; road bears N.10°E. and S.10° W.; 38 ft. below spur.				
39.44	Recross wash, 15 lks. wide, 4 ft. deep, drains NE.				
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked <div style="text-align: center;"> <table border="0"> <tr> <td>¼ S 10</td> <td style="border-left: 1px solid black; border-right: 1px solid black;">S 11</td> </tr> <tr> <td colspan="2" style="text-align: center;">1915</td> </tr> </table> </div> and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.	¼ S 10	S 11	1915	
¼ S 10	S 11				
1915					
48.00	Ascend SE. slope of ridge, bearing NE. and SW.				
59.99	Ridge, 25 ft. above draw, bears NE. and SW.				
60.00	Descend N. slope of ridge.				
72.27	Bottom of wash in draw, 20 lks. wide, 3 ft. deep, 40 ft. below ridge, drains N.80°E.				
75.00	Ascend S. slope of ridge.				
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, in a mound of stone, for cor. of secs. 2, 3, 10 and 11, with brass cap marked				

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

T 28 S R 1 E  
S 3 | S 2

S 10 | S 11

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
W. of cor.

Land, rolling mountainous.

Soil, gravel and clay loam.

Undergrowth, sagebrush, black sage, yellow brush and  
grass.

July 31, 1915: At this cor. I set off 18°25'N. on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is 38°24'N.

S.89°46'E., on a random line bet. secs. 2 and 11.

40.00 Set temp. ¼ sec. cor.

80.14 Intersect N. and S. line 5 lks. S. of the cor. of secs.  
1, 2, 11 and 12.

Thence

N.89°48'W., on a true line bet. secs. 2 and 11,

Over rolling, mountainous land, through dense under-  
growth and scattering timber. Descend.

10.14 Head of draw, drains N.10°W., 10 ft. below sec. cor.

Ascend.

22.24 Spur, 10 ft. above draw, bears NW. and SE.

Descend.

40.07 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins.

in the ground, in a mound of stone, for ¼ sec. cor.,  
with brass cap marked

S 2

S 11

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
N. of cor.

45.55 Draw, 45 ft. below spur, drains NW. Ascend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

- 50.24 Spur, 20 ft. above draw, bears NW. and SE.  
Descend.
- 53.54 Leave scattering juniper and pinon pine.
- 73.65 Wash in draw, 100 ft. below spur, drains N.  
Ascend.
- 74.65 Road from Loa to Parker Spring, 5 ft. above wash, bears  
N. and S.
- 80.14 The cor. of secs. 2, 3, 10 and 11, 20 ft. above wash.  
Land, rolling mountainous.  
Soil, gravel, rock and clay loam.  
Timber, scattering juniper and pinon pine on E. half  
of mile. Very little grass for grazing.  
Undergrowth, sagebrush, black sage and yellow brush.

For reasons already explained,

N.0°01'W., bet. secs. 2 and 3, on a true line,  
Ascending over SE. slope of ridge, through dense under-  
growth of sagebrush.

- 21.59 Ridge, 40 ft. above sec. cor., bears N.75°E. and S.75°W.
- 29.99 Descend N. slope of ridge through dense sagebrush.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 3 | S 2

1915

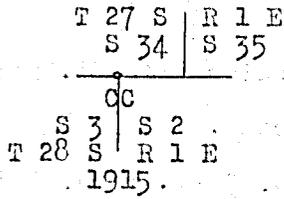
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

- 43.99 Draw, 65 ft. below ridge, drains N.20°E.  
Ascend.
- 55.00 Spur, 20 ft. above draw, bears NE. and SW.
- 57.00 Descend N. slope of spur.
- 59.60 Road from Parker Spring to Loa, 5 ft. below spur, bears  
N.5°W. and S.10°E.
- 77.17 Draw, 75 ft. below ridge, drains E.
- 78.98 Intersect S. bdy. of T. 27 S., R. 1 E., 5.36 chs. N.89°  
45'W. of the cor. of secs. 34 and 35, heretofore  
described. At intersection

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 2 and 3, with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber. Very little grass for grazing.

Undergrowth, sagebrush, yellow brush and grass.

July 31, 1915.

*Edward M. Thompson*  
U. S. Transitman.

July 30, 1915: At 8 a.m., l.m.t., I set off 38°19'N. on the lat. arc; 18°42'N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33 and 34, on the S. hdy. of the Tp., heretofore described.

Thence

N.0°02'W., bet. secs. 33 and 34,

Ascending gradually over rocky, rolling, mountainous land, through dense, short undergrowth.

10.00 Top of ridge, 20 ft. above cor., bears NE. and SW.

Descend.

25.40 Bottom of draw, 105 ft. below ridge, drains N.60°W.

Ascend.

39.00 Top of ridge, 110 ft. above draw, bears N.66°W. and

S.66°E. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

1/4 S 33 | S 34

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

69.90 Bottom of depression, 140 ft. below 1/4 sec. cor., drains W. Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, with brass cap marked

T 28 S R 1 E  
S 28 | S 27  
S 33 | S 34

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 25 ft. above depression.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

S.89°47'E., on a random line bet. secs. 27 and 34.

40.00 Set temp. 1/4 sec. cor.

79.99 Intersect N. and S. line 2 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence

N.89°48'W., on a true line bet. secs. 27 and 34.

Ascending over rolling, mountainous land, through dense, short undergrowth.

11.39 Road from Parker Lake to Lea, on top of ridge; ridge and road bear N.10°E. and S.10°W.; 40 ft. above sec. cor. Descend.

39.99 1/2 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 27

$\frac{1}{4}$

S 34

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

N. of cor.

Cor. 40 ft. below ridge.

54.99 Bottom of draw, 40 ft. below  $\frac{1}{4}$  sec. cor., drains N.60°W.  
Ascend.

59.99 Top of ridge, 10 ft. above draw, bears N. and S.  
Descend.

64.99 Bottom of depression, 5 ft. below ridge, drains N.  
Ascend.

75.99 Top of ridge, 65 ft. above depression, bears NW. and SE.  
Descend.

79.99 The cor. of secs. 27, 28, 33 and 34, 5 ft. below ridge.  
Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft.  
in height.

Good grass for grazing.

N.0°02'W., bet. secs. 27 and 28,

Ascending over rolling, mountainous land, through short,  
dense undergrowth.

3.50 Top of ridge, 20 ft. above cor., bears NW. and SE.  
Descend.

29.80 Bottom of draw, 150 ft. below ridge, drains NW.  
Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 28 | S 27

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

W. of cor.

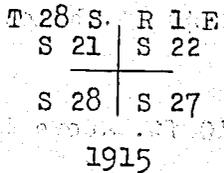
Cor. 75 ft. above draw.

46.50

Top of ridge, 35 ft. above  $\frac{1}{4}$  sec. cor., bears NW. and SE  
Descend.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins.  
in the ground, in a mound of stone, for cor. of secs.  
21, 22, 27 and 28, with brass cap marked.



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 190 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in  
height.

Good grass for grazing.

July 30, 1915: At this cor. I set off  $18^{\circ}39'N.$  on the  
decl. arc; and at apparent noon observe the sun on the  
meridian; the resulting lat. is  $38^{\circ}21'N.$

$S.89^{\circ}48'E.$ , on a random line bet. secs. 22 and 27.

40.00

Set temp.  $\frac{1}{4}$  sec. cor.

79.99

Intersect N. and S. line 7 lks. N. of the cor. of secs.  
22, 23, 26 and 27.

Thence

$N.89^{\circ}45'W.$ , on a true line bet. secs. 22 and 27,

Ascending over rolling, mountainous land, through dense,  
short undergrowth.

4.99

Spur, 20 ft. above cor., bears  $N.10^{\circ}E.$  and  $S.10^{\circ}W.$   
Descend.

9.99

Head of draw, 5 ft. below spur, drains N.  
Ascend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains	
15.39	Top of ridge, 20 ft. above sec. cor., bears NW. and S.80°E. Descend.
39.99 $\frac{1}{2}$	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;">           S 22  <math>\frac{1}{4}</math>  <hr/>           S 27            1915         </div>
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Cor. 76 ft. below ridge.
45.09	Bottom of draw, 30 ft. below $\frac{1}{4}$ sec. cor., drains NW. Ascend.
65.09	Top of ridge, 50 ft. above draw, bears N.20°E. and S. Descend.
79.99	The cor. of secs. 21, 22, 27 and 28, 85 ft. below ridge. Land, rolling mountainous. Soil, gravelly, volcanic stone, 1 to 3 ft. deep. No timber. Undergrowth, sage and yellow brush, averaging 1 ft. in height. Good grass for grazing.
	N.0°02'W., bet. secs. 21 and 22, Descending gradually over mountainous land, through short, dense undergrowth.
.50	Old road bears N.30°E. and S.30°W.
5.50	Bottom of draw, 10 ft. below cor., drains NE. Ascend.
23.10	Top of ridge, 10 ft. above draw; bears N.70°E. and SW. Descend.
27.20	Old road bears N.60°E. and S.60°W.
28.50	Bottom of draw, 15 ft. below ridge, drains N.60°E. Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

$\frac{1}{4}$  S 21 | S 22

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high;

W. of cor.

Cor. 20 ft. above draw.

46.80

Top of ridge, 20 ft. above  $\frac{1}{4}$  sec. cor., bears NE. and SW

Descend.

62.60

Bottom of canyon, 55 ft. below ridge, drains N.60°E.

Ascend.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.

in the ground, for cor. of secs. 15, 16, 21 and 22,

with brass cap marked

T 28 S R 1 E  
S 16 | S 15

S 21 | S 22

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

W. of cor.

Cor. on top of ridge bearing N.50°E. and S.60°W., 65 ft.

above canyon.

Land, mountainous.

Soil, rocky, volcanic formation, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush; averaging 1 ft. in

height.

Good grass for grazing.

July 30, 1915.

August 2, 1915: At 8h 6m a.m., l.m.t., I set off 38°22'

N. on the lat. arc; 17°58'N. on the decl. arc; and

determine a meridian with the solar at the cor. of secs

15, 16, 21 and 22.

Thence

S.89°45'E., on a random line bet. secs. 15 and 22.

40.00

Set temp.  $\frac{1}{2}$  sec. cor.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains	
79.94	Intersect N. and S. line 2 lks. S. of the cor. of secs. 14, 15, 22 and 23.
	Thence
	N.89°46'W., on a true line bet. secs. 15 and 22, Over rolling, mountainous land, through short undergrowth. Descend.
1.49	Bottom of swale, 3 ft. below cor., drains N.20°E. Ascend.
13.24	Top of ridge, 40 ft. above swale, bears N. and S. Descend.
24.84	Old road, bears N.15°E. and S.30°W.
24.94	Bottom of canyon, 50 ft. below ridge, drains N.15°E. Ascend.
32.94	Top of ridge, 20 ft. above canyon, bears N.20°E. and S.20°W. Descend.
39.97	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked <div style="text-align: center;"> <math display="block">\begin{array}{r} S\ 15 \\ \hline \frac{1}{4} \\ \hline S\ 22 \\ 1915 \end{array}</math> </div> and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.
	Cor. 5 ft. below ridge.
43.34	Bottom of depression, drains N.25°E. Ascend.
51.94	Top of ridge, 15 ft. above depression, bears N.20°E. and S.20°W. Descend.
58.34	Bottom of canyon, 15 ft. below ridge, drains NE. Ascend.
79.94	The cor. of secs. 15, 16, 21 and 22, 100 ft. above canyon.
	Land, rolling, mountainous.
	Soil, gravelly, volcanic formation, 1 to 2 ft. deep.
	No timber.
	Undergrowth, sage and yellow brush, averaging 8 ins. in height.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Good grass for grazing.

N.0°02'W., bet. secs. 15 and 16,

Descending gradually over rolling, mountainous land,  
through dense, short undergrowth.

9.00 Bottom of hollow, 50 ft. below cor., drains NE.  
Ascend.

15.00 South edge of broad ridge bears NE. and SW.

20.00 Top of broad ridge, 15 ft. above hollow, bears NE. and  
SW.

30.00 North edge of broad ridge, bears NE. and SW. Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 16 | S 15

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Cor. 70 ft. below ridge.

40.80 Bottom of canyon, 5 ft. below  $\frac{1}{4}$  sec. cor., drains N.30°E  
Ascend.

60.00 Top of ridge, 45 ft. above canyon, bears N.30°E. and SW.  
Descend.

76.50 Bottom of draw, 65 ft. below ridge, drains N.30°E.  
Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 9, 10, 15 and 16,  
with brass cap marked

T 28 S | R 1 E

S 9 | S 10

S 16 | S 15

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

W. of cor.

Cor. 5 ft. above draw.

Land, rolling mountainous.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Soil, gravelly, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage, yellow brush and bitter brush, averaging 1 ft. in height.

Good grass for grazing.

S.89°46'E., on a random line bet. secs. 10 and 15.

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect N. and S. line at the cor. of secs. 10, 11, 14 and 15.

Thence

N.89°46'W., on a true line bet. secs. 10 and 15,

Over rolling, mountainous land, through dense, short undergrowth, and scattering cedar and pinon pine.

1.12 Descend from top of ridge, bearing N. and S.

5.02 Leave timber, bearing N. and S.

8.02 Old road bears N.10°E. and S.10°W.

9.42 Bottom of canyon, 105 ft. below sec. cor., drains N.10°E.

Ascend.

39.96 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for 1/4 sec. cor., with brass cap marked

S 10  
1/4

S 15  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Cor. 100 ft. above canyon.

44.92 Top of ridge, 5 ft. above 1/4 sec. cor., bears NE. and SW.

Descend.

54.42 Bottom of hollow, 50 ft. below ridge, drains N.40°E.

Ascend.

71.92 Top of ridge, 80 ft. above hollow, bears NE. and S.30°W.

Descend.

78.72 Bottom of draw, 35 ft. below ridge, drains N.30°E.

Ascend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

79.92

The cor. of secs. 9, 10, 15 and 16, 10 ft. above draw. Land, rolling mountainous. Soil, gravelly, volcanic formation, 1 to 2 ft. deep. Timber, cedar and pinon pine. Undergrowth, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

August 2, 1915: At this cor. I set off 17°55'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°23'N.

N.0°02'W., bet. secs. 9 and 10;

Ascending gradually over rolling, mountainous land, through dense, short undergrowth.

20.00

Top of broad ridge, 40 ft. above cor., bears NE. and SW. Descend gradually.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 9 | S 10

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 10 ft. below ridge.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, with brass cap marked

T 28 S | R 1 E

S 4 | S 3

S 9 | S 10

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 20 ft. below 1/4 sec. cor.

Land, rolling mountainous.

Soil, gravelly, volcanic stone, 1 to 3 ft. deep.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

No timber.

Undergrowth, scrub sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

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S.89°46'E., on a random line bet. secs. 3 and 10.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.88 Intersect N. and S. line 2 lks. S. of the cor. of secs. 2, 3, 10 and 11.

Thence

N.89°47'W., on a true line bet. secs. 3 and 10, Ascending over rolling, mountainous land, through dense, short undergrowth.

10.00 East edge of mesa bears N.20°E. and S.20°W.

25.00 High point on ridge, 80 ft. above sec. cor., bears N.20° E. and S.20°W. Descend.

30.00 Depression on ridge, 5 ft. below high point, drains N.20°E. Ascend.

39.94 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 3  
          
 $\frac{1}{4}$

S 10  
1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Cor. on highest point of mesa bearing N.20°E. and S.20°W., 15 ft. above depression. Descend.

45.80 Bottom of draw, on mesa, 20 ft. below  $\frac{1}{4}$  sec. cor., drains N.40°E. Ascend.

79.88 The cor. of secs. 3, 4, 9 and 10, 85 ft. above draw. Land, rolling mountainous. Soil, gravelly, volcanic formation, 1 to 2 ft. deep. No timber. Undergrowth, sage, yellow brush and bitter brush,

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

averaging 1 ft. in height.

Good grass for grazing.

August 2, 1915.

August 4, 1915: At 8h 6m a.m., l.m.t., I set off 38°23' N. on the lat. arc; 17°27' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 9 and 10.

Thence, for reasons already explained,

N.0°02'W., bet. secs. 3 and 4, on a true line, Descending gradually over rolling, mountainous land, through dense, short undergrowth.

25.00 Begin more rapid descent, bearing N.20°E. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 4 | S 3

1915.

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 105 ft. below sec. cor.

66.20 Bottom of draw, 35 ft. below 1/4 sec. cor., drains N.30°E. Ascend.

78.99 Intersect S. bdy. of T. 27 S., R. 1 E., 5.20 chs. N.89° 45'W. of the cor. of secs. 33 and 34, heretofore described. At intersection

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 3 and 4, with brass cap marked

T. 27 S  
S 33 | S 34  
R 1 E

CC  
S 4 | S 3  
T 28 S

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor.

Cor. 30 ft. above draw.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Land, rolling mountainous.  
 Soil, gravelly, volcanic stone, 1 to 3 ft. deep.  
 No timber.  
 Undergrowth, sage, yellow brush and bitter brush,  
 averaging 1 ft. in height.  
 Good grass for grazing.

August 4, 1915.

July 31, 1915: At 8h 6m a.m., l.m.t., I set off  $38^{\circ}19'$   
 N. on the lat. arc;  $18^{\circ}27'$  N. on the decl. arc; and  
 determine a meridian with the solar at the cor. of  
 secs. 4, 5, 32 and 33, on the S. bdy. of the Tp.,  
 heretofore described.

Thence

N.  $0^{\circ}03'$  W., bet. secs. 32 and 33.

Descending gradually over rolling, mountainous land,  
through short undergrowth.

4.90 Bottom of canyon, 25 ft. below cor., drains NE.

Ascend.

18.50 Top of ridge, 65 ft. above canyon, bears NE. and SW.

Descend.

28.20 Bottom of rocky swale, 10 ft. below ridge, drains E.

Ascend.

28.80 Enter scrub cedar and aspen timber and mahogany, bearing  
E. and W.

31.00 South edge of broad ridge, 30 ft. above swale, bears  
N.  $50^{\circ}$  E. and S.  $70^{\circ}$  W.

33.70 Leave timber, bearing E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins.  
in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
with brass cap marked

$\frac{1}{4}$  S 32 | S 33

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Cor. on high point of ridge bearing N.55°E. and S.70°W. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to solid rock, in a mound of stone, for cor. of secs. 28, 29, 32 and 33, with brass cap marked

T 28 S	R 1 E
S 29	S 28
S 32	S 33

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Cor. 55 ft. below ¼ sec. cor.

Land, rolling mountainous:

Soil, rocky, volcanic stone, 6 ins. to 2 ft. deep.

Timber, cedar and aspen.

Undergrowth, mahogany, sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

S.89°47'E., on a random line bet. secs. 28 and 33.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line 5 lks. S. of the cor. of secs. 27, 28, 33 and 34.

Thence

N.89°49'W., on a true line bet. secs. 28 and 33, Descending gradually over rolling, mountainous land, through dense, scrubby undergrowth.

18.00 Bottom of swale, 120 ft. below cor., drains NW. Ascend.

19.00 North end of ridge, 5 ft. above swale, bears S. Descend.

27.85 Old road bears N.16°E. and S.16°W.

29.10 Bottom of canyon, 25 ft. below ridge, drains N.16°E. Ascend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S 28  
1/4

S 33  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Cor. 105 ft. above canyon.

50.00 Top of ridge, 30 ft. above 1/4 sec. cor., bears N.40°E. and S.40°W. Descend.

54.00 Bottom of hollow, 5 ft. below ridge, drains NE. Ascend.

80.00 The cor. of secs. 28, 29, 32 and 33, 85 ft. above hollow.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage and yellow brush, averaging 1 ft. in height, and scattering bitter brush.

Good grass for grazing.

N.0°03'W., bet. secs. 28 and 29,

Descending gradually over rolling, mountainous land, through short, dense undergrowth.

35.00 Begin steeper descent, bearing NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4 S 29 | S 28

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Cor. 80 ft. below sec. cor.

51.05 Old road bears N.50°E. and S.50°W.

51.90 Bottom of canyon, 95 ft. below 1/4 sec. cor., drains N.50°E. Ascend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

64.90

Top of ridge, 75 ft. above canyon, bears N.50°E. and SW.  
Enter scattering aspen timber bearing E. and W.  
Descend.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 7 ins.  
in the ground to solid rock, in a mound of stone, for  
cor. of secs. 20, 21, 28 and 29, with brass cap marked

T 28 S	R 1 E
S 20	S 21
S 29	S 28

1915

from which

An aspen 8 ins. diam. bears N.52°20'E., 61 lks.  
dist., marked T 28 S R 1 E S 21 B T.

No. other trees within limits; raise a mound of stone,  
2 ft. base, 1½ ft. high, W. of cor.

Cor. 70 ft. below ridge.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 6 ins. to 2 ft. deep.

Timber, aspen.

Undergrowth, sage, yellow brush and bitter brush,  
averaging 1 ft. in height.

Good grass for grazing.

July 31, 1915: At this cor. I set off 18°25'N. on the  
decl. arc; and at apparent noon observe the sun on the  
meridian; the resulting lat. is 38°21'N.

S.89°49'E., on a random line bet. secs. 21 and 28.

40.00

Set temp. ¼ sec. cor.

79.94

Intersect N. and S. line 5 lks. N. of the cor. of secs.  
21, 22, 27 and 28.

Thence

N.89°47'W., on a true line bet. secs. 21 and 28,  
Descending over rolling, mountainous land, through  
short undergrowth.

.44

Old road bears N.30°E. and S.30°W.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains	
2.54	Bottom of draw, 3 ft. below cor., drains NE.
	Ascend.
24.94	Top of ridge, 105 ft. above draw, bears N.50°E. and
	S.50°W. Descend.
35.19	Old road bears NE. and SW.
36.44	Bottom of draw, 60 ft. below ridge, drains NE.
	Ascend.
39.97	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.
	in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 21
	$\frac{1}{4}$
	S 28
	1915
	and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high,
	N. of cor.
	Cor. 10 ft. above draw.
62.94	Top of ridge, 90 ft. above $\frac{1}{4}$ sec. cor., bears NE. and
	SW. Descend.
78.94	Enter scattering aspen timber bearing N. and S.
79.94	The cor. of secs. 20, 21, 28 and 29, 35 ft. below ridge.
	Land, rolling mountainous.
	Soil, gravelly, volcanic formation, 1 to 3 ft. deep.
	Timber, aspen.
	Undergrowth, sage and yellow brush, averaging 1 ft. in
	height.
	Good grass for grazing.

N.0°03'W., bet. secs. 20 and 21,

Descending gradually over rolling, mountainous land, through scattering aspen timber and short undergrowth.

2.70 Bottom of canyon, 30 ft. below cor., drains N.50°E.

Ascend.

5.00 Top of rocky spur, 5 ft. above canyon, bears N.60°E.

and SW. Descend.

8.00 Bottom of swale, 35 ft. below spur, drains E.

Ascend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

- 10.00 Leave timber bearing E. and W.
- 28.00 Top of ridge, 35 ft. above swale, bears NE. and SW.  
Descend.
- 39.60 Bottom of draw, 75 ft. below ridge, drains NE.  
Ascend.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
 $\frac{1}{4}$  S 20 | S 21  
1915  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
Cor. 5 ft. above draw.
- 50.00 Top of ridge, 20 ft. above  $\frac{1}{4}$  sec. cor., bears NE. and SW.  
Descend.
- 58.60 Bottom of draw, 40 ft. below ridge, drains N. 80° E.  
Ascend.
- 73.50 Top of ridge, 70 ft. above draw, bears NE. and SW.  
Descend.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, with brass cap marked  

T 28 S	R 1 E
S 17	S 16
S 20	S 21

  
1915  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land, rolling mountainous.  
Soil, rocky, volcanic stone, 6 ins. to 3 ft. deep.  
Timber, aspen.  
Undergrowth, sage, yellow brush and bitter brush, averaging 1 ft. in height.  
Good grass, for grazing.

July 31, 1915.

## SUBDIVISION OF T. 28 S., R. 1 E.

## Chains

August 3, 1915: At 8 a.m., l.m.t., I set off  $38^{\circ}22'N.$  on the lat. arc;  $17^{\circ}42'N.$  on the decl. arc; and determine a meridian with the solar at the cor. of secs. 16, 17, 20 and 21.

Thence

S.  $89^{\circ}47'E.$ , on a random line bet. secs. 16 and 21.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.94 Intersect N. and S. line 4 lks. N. of the cor. of secs. 15, 16, 21 and 22.

Thence

N.  $89^{\circ}45'W.$ , on a true line bet. secs. 16 and 21, ascending gradually over rolling, mountainous land, through dense, short undergrowth.

10.00 Head of hollow, 5 ft. above cor., drains NE.

39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 16

$\frac{1}{4}$

S 21

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Cor. on top of ridge bearing NE. and SW., 45 ft. above hollow. Descend.

52.40 Bottom of canyon, 35 ft. below  $\frac{1}{4}$  sec. cor., drains N.  $50^{\circ}E.$  Ascend.

79.94 The cor. of secs. 16, 17, 20 and 21, 130 ft. above canyon.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 6 ins. to 3 ft. deep.

No timber.

Undergrowth, scrub sage and yellow brush, averaging 1 ft. in height.

Good grass for grazing.

N.  $0^{\circ}03'W.$ , bet. secs. 16 and 17,

SUBDIVISION OF T. 28 S., R. 1 E.

Chains	Descending gradually over rolling, mountainous land, through short, dense undergrowth.
7.00	Bottom of hollow, 25 ft. below cor., drains NE. Ascend.
15.00	Top of ridge, 20 ft. above hollow, bears NE. and SW. Descend.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{c c} \frac{1}{4} S 17 & S 16 \\ \hline 1915 \end{array}$ and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Cor. 40 ft. below ridge.
50.00	Center of canyon, 35 ft. below $\frac{1}{4}$ sec. cor., drains NE. Ascend.
54.00	Enter scattering cedar timber and mahogany, bearing NE. and SW.
61.50	Top of rocky ridge, 20 ft. above canyon, bears NE. and SW. Descend.
69.10	Bottom of canyon, 25 ft. below ridge, drains E. Ascend.
75.00	Leave timber, bearing N.70°E. and S.70°W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, with brass cap marked $\begin{array}{c c} T 28 S & R 1 E \\ S 8 & S 9 \\ \hline S 17 & S 16 \\ \hline 1915 \end{array}$ and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Land, rolling mountainous. Soil, rocky, volcanic formation, 1 to 3 ft. deep. Timber, cedar. Undergrowth, sage, yellow brush, bitter brush and mahogany.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Good grass for grazing.  
August 3, 1915: At this cor. I set off  $17^{\circ}39'N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ}23'N.$

$S.89^{\circ}45'E.$ , on a random line bet. secs. 9 and 16.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.94 Intersect N. and S. line 2 lks. S. of the cor. of secs. 9, 10, 15, and 16.

Thence

$N.89^{\circ}46'W.$ , on a true line bet. secs. 9 and 16, Ascending over rolling, mountainous land, through dense, short undergrowth.

39.97 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 9

$\frac{1}{4}$

S 16

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,

N. of cor.

Cor. stands on top of ridge bearing  $N.25^{\circ}E.$  and  $S.35^{\circ}W.$ , 105 ft. above sec. cor. Descend.

46.80 Bottom of depression, 5 ft. below  $\frac{1}{4}$  sec. cor., drains N. Ascend.

52.00 Top of ridge, 5 ft. above depression, bears N. and S. Descend.

55.00 Enter cedar and pine timber bearing N. and S.

59.70 Wash in bottom of canyon, 5 ft. below ridge, drains  $N.20^{\circ}E.$  Ascend.

73.00 Leave timber, bearing NE. and SW.

79.94 The cor. of secs. 8, 9, 16 and 17, 65 ft. above canyon.

Land, rolling mountainous.

Soil, gravelly, volcanic stone, 1 to 3 ft. deep.

Timber, cedar and pinon pine.

Undergrowth, sage, yellow brush and bitter brush,

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

averaging 1 ft. in height.  
Good grass for grazing.

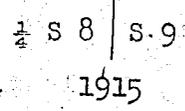
N.0°03'W., bet. secs. 8 and 9,

Ascending gradually over rolling, mountainous land,  
through dense, short undergrowth...

10.00 Top of ridge, 5 ft. above cor., bears N.70°E. and S.70°  
Descend.

39.40 Bottom of canyon, 90 ft. below ridge, drains N.60°E.  
Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for 1/4 sec. cor., with brass cap marked

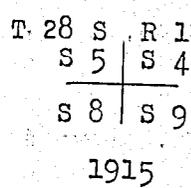


and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor., 55 ft. above canyon.

50.00 Top of ridge, 65 ft. above canyon, bears N.60°E. and S.  
60°W.; thence along E. slope of ridge bearing N. and S

80.00 Ridge bears N.60°E. and S.60°W.

Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins.  
in the ground, in a mound of stone, for cor. of secs.  
4, 5, 8 and 9, with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor.

Cor. 15 ft. below ridge at 50.00 chs. point.

Land, rolling mountainous.

Soil, rocky, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage, yellow brush and bitter brush,  
averaging 1 ft. in height.

Good grass for grazing.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

August 4, 1915: For solar observation see mile bet.

secs. 3 and 4.

S.89°46'E., on a random line bet. secs. 4 and 9.

40.00 Set temp. 1/4 sec. cor.

79.90 Intersect N. and S. line 2 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence

N.89°45'W., on a true line bet. secs. 4 and 9,

Ascending gradually over rolling, mountainous land, through short, dense undergrowth.

17.00 West side of mesa, 5 ft. above cor., bears N.20°E. and S.20°W. Descend.

22.20 Bottom of canyon, 75 ft. below W. edge of mesa, drains N.20°E. Ascend.

39.95 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S.4  
1/4  
-----  
S 9  
1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Cor. 100 ft. above canyon.

79.90 The cor. of secs. 4, 5, 8 and 9, 40 ft. above 1/4 sec. cor. Land, rolling mountainous.

Soil, gravelly, volcanic formation, 1 to 3 ft. deep.

No timber.

Undergrowth, sage, yellow brush and bitter brush, averaging 1 ft. in height.

Good grass for grazing.

August 4, 1915: At this cor. I set off 17°24'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°23'N.

For reasons already explained,

N.0°03'W., bet. secs. 4 and 5, on a true line, Descending gradually over mountainous land, through

SUBDIVISION OF T. 28 N., R. 1 E.

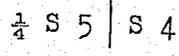
Chains

short, dense undergrowth.

19.90 Bottom of canyon, 80 ft. below cor., drains N. 50° E.

Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,

W. of cor.

Cor. on top of ridge bearing N. 40° E. and S. 40° W., 65 ft.

above canyon. Descend.

58.60 Bottom of canyon, 65 ft. below 1/4 sec. cor., drains N.

60° E. Ascend.

73.60 Top of ridge, 70 ft. above canyon, bears N. 50° E. and

S. 50° W. Descend.

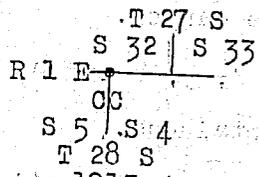
79.00 Intersect S. bdy. of T. 27 S., R. 1 E., 5.09 chs.

N. 89° 45' W. of the cor. of secs. 32 and 33, heretofore described. At intersection

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.

in the ground, for closing cor. of secs. 4 and 5,

with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,

S. of cor.

Land, mountainous.

Soil, gravelly, volcanic stone, 1 to 3 ft. deep.

No timber.

Undergrowth, sage, yellow brush and bitter brush,

averaging 1 ft. in height.

Good grass for grazing.

August 4, 1915.

Scott P. Stewart  
U. S. Surveyor.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

August 2, 1915: At 8h 6m a.m., l.m.t., I set off 38° 20' N. on the lat. arc; 17° 58' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., heretofore described.

Thence

N. 0° 03' W., bet. secs. 31 and 32,

Ascending S. slope of ridge, through dense undergrowth of sagebrush; soil, rocky clay loam.

7.65 Ridge, 95 ft. above sec. cor., bears N. 85° E. and S. 85° W.

7.70 Descend N. slope of ridge.

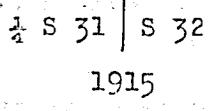
15.61 Road in bottom of draw bears N. 30° E. and S. 30° W.; draw, 90 ft. below ridge, drains N. 30° E.

15.95 Ascend S. slope of ridge.

29.59 Ridge, 165 ft. above draw, bears N. 60° E. and S. 60° W.

30.50 Descend N. slope of ridge.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/2 sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

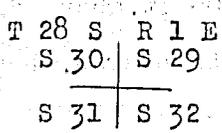
43.39 Draw, 95 ft. below ridge, drains E.

43.50 Ascend S. slope of ridge.

55.47 Ridge, 70 ft. above draw, bears E. and W.  
Descend.

74.13 Draw, 95 ft. below ridge, drains S. 75° E.  
Ascend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap marked



1915

SUBDIVISION OF T. 28 S., R. 1 E.

Chains	<p>and raise a mound of stone, 2 ft. base, 1½ ft. high,  W. of cor.  Land, rolling mountainous.  Soil, gravel, rock and clay loam.  No timber.  Undergrowth, sagebrush, black sage, yellow brush and  grass.</p>
40.00	<p>S.89°47'E., on a random line bet. secs. 29 and 32.  Set temp. ¼ sec. cor.</p>
80.04	<p>Intersect N. and S. line 7 lks. S. of the cor. of secs.  28, 29, 32 and 33.</p>
	<p>Thence</p>
9.00	<p>N.89°50'W., on a true line bet. secs. 29 and 32,  Ascending over rolling, mountainous land, through dense  undergrowth of sagebrush.</p>
10.00	<p>Road, 20 ft. above sec. cor., bears N. and S.</p>
10.00	<p>Ridge, 25 ft. above sec. cor., bears NE. and SW.  Descend.</p>
17.45	<p>Wash in bottom of draw, 10 lks. wide, 2 ft. deep, 50 ft.  below ridge, drains N.30°E.</p>
17.76	<p>Road to Parker Spring, in draw, bears N.30°E. and S.30°W.  Ascend.</p>
40.02	<p>Set an iron post, 3 ft. long, 1 in. in diam., 20 ins.  in the ground, in a mound of stone, for ¼ sec. cor.,  with brass cap marked</p>
	<p>S 29  ¼</p>
	<p>S 32  1915</p>
47.86	<p>and raise a mound of stone, 2 ft. base, 1½ ft. high,  N. of cor., 105 ft. above draw.</p>
49.97	<p>Spur, 120 ft. above draw, bears NE. and SW.</p>
49.97	<p>Descend W. slope.</p>
63.86	<p>Draw, 30 ft. below spur, drains N.80°E.  Ascend E. slope.</p>

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

80.04 The cor. of secs. 29, 30, 31 and 32, 165 ft. above draw.  
 Land, rolling mountainous.  
 Soil, gravel, rock and clay loam.  
 No timber.  
 Undergrowth, sagebrush, black sage, yellow brush, scattering bitter brush and grass.

N. 89° 47' W., on a random line bet. secs. 30 and 31.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

41.04 Intersect the Salt Lake Meridian 11 lks. N. of the cor. of secs. 25, 30, 31 and 36, described on page 4, this book.

Thence

S. 89° 56' E., on a true line bet. secs. 30 and 31,  
 Over rolling, mountainous land, through dense undergrowth. Descend.

1.04 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

S 30  
 $\frac{1}{4}$

S 31  
 1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

6.46 Draw, drains NE., 35 ft. below  $\frac{1}{4}$  sec. cor.  
 Ascend.

11.06 Spur, bears NE. and SW., 15 ft. above draw.  
 Descend.

16.06 Head of draw, 15 ft. below spur, drains N.  
 Ascend.

23.46 Spur, 15 ft. above draw, projects N. 10° W.  
 Descend.

27.86 Head of draw, 20 ft. below spur, drains N. 10° W.  
 Ascend.

33.36 Ridge, 5 ft. above draw, bears NE. and SW.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Descend.

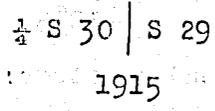
41.04 The cor. of secs. 29, 30, 31 and 32, 30 ft. below ridge  
 Land, rolling mountainous.  
 Soil, gravel, rock and clay loam.  
 No timber.  
 Undergrowth, sagebrush, yellow brush, black sage and  
 grass.

August 2, 1915: At this cor. I set off 17°55'N. on the  
 decl. arc; and at apparent noon observe the sun on the  
 meridian; the resulting lat. is 38°21'N.

N.0°03'W., bet. secs. 29 and 30,

Ascending over rolling, mountainous land, through dense  
undergrowth.

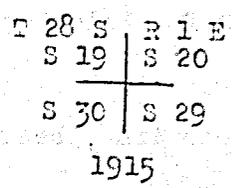
5.00 Ridge, 2 ft. above draw, bears NE. and SW.  
 10.00 Descend N. slope of ridge.  
 34.92 Draw, 130 ft. below ridge; drains N.80°E. Ascend S.  
 slope of ridge.  
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins.  
 in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
 with brass cap marked



and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
 W. of cor.

Cor. on ridge, 10 ft. above draw, bearing E. and W.

42.00 Descend N. slope of ridge.  
 71.53 Draw, 115 ft. below ridge, drains N.75°E. Ascend S.  
 slope of ridge.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
 in the ground, for cor. of secs. 19, 20, 29 and 30,  
 with brass cap marked



SUBDIVISION OF T. 28 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 W. of cor.  
 Land, rolling mountainous.  
 Soil, gravel, rock and clay loam.  
 No timber.  
 Undergrowth, sagebrush, yellow brush and black sage.

40.00 S.89°50'E., on a random line bet. secs. 20 and 29.  
 Set temp. ¼ sec. cor.  
 79.95 Intersect N. and S. line 3 lks. S. of the cor. of secs.  
 20, 21, 28 and 29.

Thence

N.89°51'W., on a true line bet. secs. 20 and 29,  
 Over rolling, mountainous land, through dense under-  
 growth. Descend.

1.79 Draw, drains N.10°E.  
 Ascend.

24.85 Ridge, 135 ft. above draw, bears NE. and SW.

24.95 Descend W. slope.

39.97½ Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
 in the ground, for ¼ sec. cor., with brass cap marked

S 20

¼

S 29

1915

and raise a mound of stone, 2 ft. base, 1½ ft. high,  
 N. of cor., 5 ft. below ridge.

55.85 Bottom of draw, 45 ft. below ridge, drains NE.  
 Ascend.

79.95 The cor. of secs. 19, 20, 29 and 30, 140 ft. above draw.  
 Land, rolling mountainous.  
 Soil, gravel and clay loam.  
 Undergrowth, sagebrush, black sage, yellow brush and  
 grass.

August 2, 1915.

SUBDIVISION OF T. 28 N., R. 1 E.

Thence  
 August 3, 1915: For solar obs. see mile bet. secs. 19 and 20.  
 On account of length of W. bdy., I ran  
 S.89°51'W., on a random line bet. secs. 19 and 30.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 47.96 Intersect the Salt Lake Meridian 5 lvs. N. of the cor.  
 of secs. 19, 24, 25 and 30, described on page 6, this  
 book.  
 Thence  
 N.89°47'E., on a true line bet. secs. 19 and 30.  
 Over rolling, mountainous land, through dense under-  
 growth. Descend.  
 2.96 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins.  
 in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
 with brass cap marked  
 S 19  
 1  
 S 30  
 1915  
 and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
 N. of cor.  
 6.38 Draw, drains NE., 20 ft. below  $\frac{1}{4}$  sec. cor.  
 Ascend.  
 27.96 Ridge, bears NE. and SW., 40 ft. above draw.  
 Descend.  
 47.96 The cor. of secs. 19, 20, 29 and 30, 55 ft. below ridge.  
 Land, rolling mountainous.  
 Soil, gravel and clay loam.  
 No timber.  
 Undergrowth, sagebrush, black sage, yellow brush and  
 bunch grass.

---

N.0°03'W., bet. secs. 19 and 20,  
 Over rolling, mountainous land, through dense under-  
 growth of sagebrush. Ascend.  
 1.00 Top of spur, 5 ft. above sec. cor., bears N.80°E. and  
 S.80°S. Descend.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

7.50 Head of draw, 15 ft. below spur, drains NE.  
Ascend.

15.00 Ridge, 10 ft. above draw, bears NE. and SW.  
Descend.

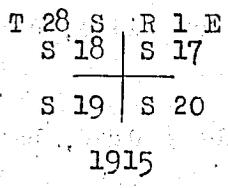
27.74 Draw, 10 ft. below ridge, drains NE.  
Ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
 $\frac{1}{4}$  S 19 | S 20.  
1915  
and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.  
Cor. stands on top of ridge bearing NE. and SW., 60 ft.  
above draw. Descend.

67.35 Draw, 80 ft. below ridge, drains NE.  
Ascend.

77.93 Ridge, 45 ft. above draw, bears N.50°E. and S.50°W.  
Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 17, 18, 19 and 20,  
with brass cap marked



and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
W. of cor.

Land, rolling mountainous.  
Soil, gravel and clay loam.  
No timber.  
Undergrowth, black sage and grass.

August 3, 1915: At this cor. I set off 17°39'N. on the  
decl. arc; and at apparent noon observe the sun on the  
meridian; the resulting lat. is 38°22'N.

-63-

SUBDIVISION OF T. 36 N., R. 1 E.

Chains	
	N. 89° 51' E., on a random line bet. secs. 17 and 20.
10.00	Set temp. $\frac{1}{4}$ sec. cor.
20.01	Intersect E. and S. line 2 lks. S. of the cor. of secs. 16, 17, 20 and 21.
	Thence
	N. 89° 52' W., on a true line bet. secs. 17 and 20.
	Over rolling, mountainous land, through dense undergrowth. Ascend.
5.00	Ridge, bears NE. and SW., 10 ft. above sec. cor.
	Descend.
10.89	Draw, 5 ft. below ridge, drains N. 40° E.
	Ascend.
40.02	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 17
	$\frac{1}{4}$
	-----
	S 20
	1915
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor., 95 ft. above draw.
50.60	Ridge, 115 ft. above draw, bears N. 15° E. and S. 15° W.
	Descend.
63.59	Draw, 45 ft. below ridge, drains N. 10° E.
	Ascend.
76.74	Ridge, 75 ft. above draw, bears N. 30° E. and S. 30° W.
	Descend.
80.04	The cor. of secs. 17, 18, 19 and 20, 2 ft. below ridge.
	Land, rolling mountainous.
	Soil, gravel and clay loam.
	No timber.
	Undergrowth, sagebrush, black sage, yellow brush and grass.

The cor. of secs. 13, 18, 19 and 24 being visible,  
I run, for distance only.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

S.89°39'W., on a random line bet. secs. 18 and 19.

40.00 Set temp. 1/4 sec. cor.

44.94 Intersect the Salt Lake Meridian at the cor. of secs. 13, 18, 19 and 24, described on page 7, these notes. Thence

N.89°39'E., on a true line bet. secs. 18 and 19, Over rolling, mountainous land, through dense undergrowth.

4.94 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, in a mound of stone, for 1/4 sec. cor., with brass cap marked

S 18

1/4

S 19

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

16.58 Draw, drains NE., 35 ft. below 1/4 sec. cor. Ascend.

20.98 Spur, 5 ft. above draw, bears NE. and SW. Descend.

29.98 Draw, 40 ft. below spur, drains NE. Ascend W. slope of spur.

35.75 Top of ascent spur.

36.85 Spur, 40 ft. above draw, bears N. and S. Descend.

39.94 Swale, 15 ft. below spur, drains NE. Ascend.

44.94 The cor. of secs. 17, 18, 19 and 20, 15 ft. above swale. Land, rolling mountainous. Soil, gravel, rock and clay loam. No timber. Very little grass for grazing. Undergrowth, sagebrush, black sage and yellow brush.

August 3, 1915: At 3h 6m p.m., l.m.t., I set off 38°22' N. on the lat. arc; 17°29' N. on the decl. arc; and determine a meridian with the solar at the cor. of

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

secs. 17, 18, 19 and 20.

Thence

N.0°03'W., bet. secs. 17 and 18,

Descending over N. slope of ridge from sec. cor.,  
through undergrowth of sagebrush.

19.27 Wash in bottom of draw, 4 lks. wide; 2 ft. deep, 65 ft.  
below cor., drains N.50°E.

19.98 Ascend S. slope of ridge.

29.48 Ridge, 15 ft. above draw, bears NE. and SW.

Descend.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.  
in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 18 | S 17

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
W. of cor., 10 ft. below ridge.

48.19 Draw, 35 ft. below ridge, drains N.40°E.

Ascend.

62.19 Ridge, 15 ft. above draw, bears NE. and SW.

Descend.

69.97 Old road, 40 ft. below ridge, bears W. and N, 80°E.

71.77 Draw, 45 ft. below ridge, drains NE.

Ascend.

80.00 Ridge, 10 ft. above draw, bears N.80°E. and S.80°W.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for cor. of secs. 7, 8, 17 and 18,  
with brass cap marked

T 28 S | R 1 E  
S 7 | S 8

S 18 | S 17

1915

and raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high,  
W. of cor.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Undergrowth, sagebrush, black sage, yellow brush, bitter brush and bunch grass.

August 3, 1915.

August 4, 1915: At 8h 6m a.m., l.m.t., I set off 38°23' N. on the lat. arc; 17°27' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 7, 8, 17 and 18.

Thence

S.89°52'E., on a random line bet. secs. 8 and 17,

40.00 Set temp. 1/4 sec. cor.

79.99 Intersect N. and S. line 7 lks. N. of the cor. of secs. 8, 9, 16 and 17.

Thence

N.89°49'W., on a true line bet. secs. 8 and 17,

Ascending over rolling, mountainous land, through dense undergrowth.

24.99 Ridge, 45 ft. above cor., bears NE. and SW.

Descend.

38.29 Old road, 19 ft. below ridge, bears NE. and SW.

39.89 Draw, 20 ft. below ridge, drains NE.

Ascend.

39.99 1/2 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins.

in the ground, for 1/4 sec. cor., with brass cap marked

S 8

1/4

S. 17

1915

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

45.90 Ridge, 25 ft. above draw, bears NE. and SW.

Descend.

55.00 Draw, 20 ft. below ridge, drains N.20°E.

Ascend, through aspen timber, bearing N. and S.

57.80 Leave timber, bearing N. and S.

60.00 Point of spur, 20 ft. above draw, bears NE. and SW.

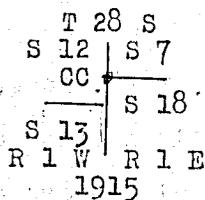
SUBDIVISION OF T. 28 S., R. 1 E.

Chains	
	Descend.
68.50	Draw, 5 ft. below spur, drains NE.
	Ascend.
79.99	The cor. of secs. 7, 8, 17 and 18, 35 ft. above draw.
	Land, rolling mountainous.
	Soil, gravel, rock and clay loam.
	Timber, aspen.
	Undergrowth, sagebrush, black sage, yellow brush and bitter brush. Very little grass for grazing.
<p>Knowing that this line will not intersect the W. bdy. of the Tp. within limits, I run</p> <p>West, on a true line bet. secs. 7 and 18,</p> <p>Descending over W. slope of ridge, through dense undergrowth of sagebrush.</p>	
23.50	Bottom of wash in draw, 6 lks. wide, 2 ft. deep, 15 ft. below sec. cor., drains N.20°W.
25.00	Ascend E. slope of spur.
30.00	Spur, 15 ft. above draw, bears NE. and SW.
	Descend.
36.50	Draw, 5 ft. below spur, drains NE.
	Ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 7 \\ \frac{1}{4} \\ \hline S\ 18 \\ 1915 \end{array}$
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
43.20	Old road, 25 ft. above draw, bears N.10°W. and SE.
46.88	Intersect the Salt Lake Meridian 48 lks. N.1°25'W. of the cor. of secs. 7, 12, 13 and 18, described on page 9, this book. At intersection
	Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, in a mound of stone, for closing cor.

SUBDIVISION OF T. 28 S., R. 1 E.

Chains

of secs. 7 and 18, with brass cap marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

Note: I destroy all marks on the cor. of secs. 7, 12, 13 and 18 pertaining to secs. 7 and 18. I also destroy the marks on the ¼ sec. cor. bet. secs. 13 and 18 pertaining to sec. 18.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber.

Undergrowth, sagebrush, yellow brush and grass.

August 4, 1915: At the cor. of secs. 7, 8, 17 and 18 I set off 17°24'N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38°23'N.

Thence

N.0°03'W., bet. secs. 7 and 8,

Descending gradually from sec. cor., through dense undergrowth of sagebrush.

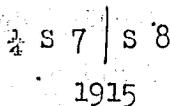
15.00 Abrupt descent bears NE. and SW.

24.94 Ravine, 100 ft. below sec. cor., drains NE.

Ascend S. slope of ridge.

37.51 Ridge, 45 ft. above ravine, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, in a mound of stone, for ¼ sec. cor., with brass cap marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

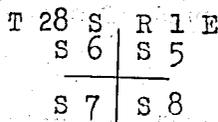
SUBDIVISION OF T. 28 S., R. 1 E.

Chains

Thence along E. slope of ridge bearing N.20°E. and S.20°W.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 5, 6, 7 and 8, with brass cap marked



1915

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor., 15 ft. below ridge.

Land, rolling mountainous.

Soil, gravel, rock and clay loam.

No timber.

Undergrowth, sagebrush, black sage, yellow brush and bitter brush.

Good grass for grazing.

40.00

S.89°49'E., on a random line bet. secs. 5 and 8. Set temp. ¼ sec. cor.

79.90

Intersect N. and S. line 2 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Thence

N.89°48'W., on a true line bet. secs. 5 and 8, Descending over rolling, mountainous land, through dense undergrowth of sagebrush.

5.00

Abrupt descent bears NE. and SW.

9.94

Draw, 60 ft. below sec. cor., drains NE.

10.00

Ascend E. slope of ridge.

24.87

Spur, 90 ft. above draw, bears NE. and SW.

Descend.

31.97

Head of draw, 10 ft. below spur, drains NE.

Ascend E. slope of ridge.

39.95

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, in a mound of stone, for ¼ sec. cor.,

## SUBDIVISION OF T. 28 S., R. 1 E.

## Chains

with brass cap marked

S 5

$\frac{1}{4}$

S 8

1915

and raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high,  
N. of cor., 30 ft. above draw.

45.00 Ridge, 40 ft. above draw, bears NE. and SW.

Descend W. slope.

51.00 Head of draw, 5 ft. below ridge, drains NE.

Ascend E. slope.

79.90 The cor. of secs. 5, 6, 7 and 8, on ridge bearing NE.  
and SW., 55 ft. above draw.

Land, rolling, mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush, yellow brush, black sage and  
bitter brush.

Good grass for grazing.

August 4, 1915.

August 5, 1915: At 9h 6m a.m., l.m.t., I set off  $38^{\circ}24'$   
N. on the lat. arc;  $17^{\circ}10'$  N. on the decl. arc; and  
determine a meridian with the solar at the cor. of  
secs. 5, 6, 7 and 8.

Thence, for reasons already explained,

West, on a true line bet. secs. 6 and 7,

Descending over W. slope of ridge, through dense under-  
growth.

15.85 Draw, 65 ft. below sec. cor., drains NE.

16.00 Ascend E. slope, bearing NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins.  
in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor.,  
with brass cap marked

S 6

$\frac{1}{4}$

S 7

1915

SUBDIVISION OF T. 28 S., R. 1 E.

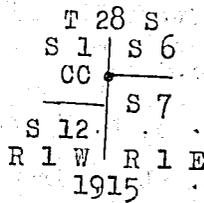
Chains

and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

48.80

Intersect the Salt Lake Meridian 66 lks. N.1°19'W. of the cor. of secs. 1, 6, 7 and 12, described on page 10, this book. At intersection

Set an iron post; 3 ft. long, 2 ins. in diam., 8 ins. in the ground, in a mound of stone, for closing cor. of secs. 6 and 7, with brass cap marked



and raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

Note: I destroy all marks on the cor. of secs. 1, 6, 7 and 12 pertaining to secs. 6 and 7. I also destroy the marks on the ¼ sec. cors. bet. secs. 1 and 6, and 7 and 12, pertaining to secs. 6 and 7 respectively.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush, yellow brush and grass.

For reasons already explained,

N.0°03'W., bet. secs. 5 and 6, on a true line, Descending over N. slope of ridge, through dense undergrowth.

19.94

Draw, 90 ft. below sec. cor., drains NE.; ascend S. slope of ridge.

29.68

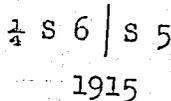
Ridge, 60 ft. above draw, bears N.80°E. and S.80°W.

32.68

Descend N. slope.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked



SUBDIVISION OF T. 28 S., R. 1 E.

Chains

and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
W. of cor., 30 ft. below ridge.

44.08 Draw, 55 ft. below ridge, drains N.80°E.; ascend S.  
slope of ridge.

51.96 Ridge, 55 ft. above draw, bears NE. and SW.

53.96 Descend N. slope of ridge.

61.43 Draw, 50 ft. below ridge, drains N.70°E.

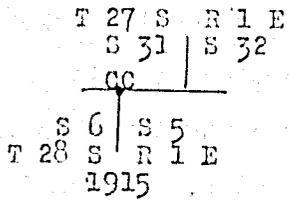
61.60 Ascend S. slope of ridge.

68.08 Ridge, 55 ft. above draw, bears E. and W.

72.08 Descend N. slope.

78.45 Draw, 30 ft. below ridge, drains N.85°E.  
Ascend.

79.05 Intersect S. bdy. of T. 27 S., R. 1 E., 4.92 chs.  
N.89°45'W. of the cor. of secs. 31 and 32, heretofore  
described. At intersection  
Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
in the ground, for closing cor. of secs. 5 and 6,  
with brass cap marked



and raise a mound of stone, 2 ft. base, 1 1/2 ft. high,  
S. of cor.

Cor. 2 ft. above draw.

Land, rolling mountainous.

Soil, gravel and clay loam.

No timber.

Undergrowth, sagebrush, yellow brush and bunch grass.

August 5, 1915: At this cor. I set off 17°08'N. on the  
decl. arc; and at apparent noon observe the sun on  
the meridian; the resulting lat. is 38°25'N.

*Edward M. Thompson*  
U.S. Transitman.

-90-

GENERAL DESCRIPTION OF T. 26 S., R. 1 E.

This township contains several rolling mesas, but is chiefly a rolling, mountainous country. The soil is a gravelly, clay loam of volcanic origin, from 2 to 4 ft. deep, underlaid with solid volcanic rock formation, but produces excellent grasses for early spring and late fall grazing. There is a dense growth of sagebrush and yellow brush throughout the township, and occasionally some bitter brush.

There is no water within the township, but there is a small spring situated in the SE.  $\frac{1}{4}$  of sec. 36, T. 26 S., R. 1 E., which flows about 150 gallons a day at this season of the year, but sinks immediately.

There is some timber in the northeastern portion, chiefly mahogany, juniper, and pinon-pine, also several groves of junipers in the central part of the township and a few small groves of aspen timber in the extreme southwestern portion, but none of this timber is of any commercial value.

The road from Loa to Parker Lake cuts through the southeastern portion of this township. There is also a road leading into the township from the north which comes from Loa, Utah, and continues to the spring in Parker Hollow. There is also a road coming into the township from the west which comes from Grass Valley. These roads evidently are used only by sheepmen and cattlemen to bring in supplies.

There are no settlers within the township and no improvements except sheep corral in the NW.  $\frac{1}{4}$  of sec. 17, not visible from line; claimant unknown.

There are no indications of coal or mineral in the township.

This township has an average elevation of about 5,500 ft. and a general drainage toward the north and

GENERAL DESCRIPTION OF T. 28 S., R. 1 E.

east, and is valuable chiefly for grazing in the early spring and late fall.

We found no indications of coal or mineral in this township.

Latitudes, Departures and Closing Errors.

Lines Designated	True Bearing	Dist. Chs.	Latitudes		Departures	
			N.	S.	E.	W.
			Chs.	Chs.	Chs.	Chs.
South Edy.	N. 89° 47' W.	439.06	1.66			439.06
West "	N. 1° 27' W.	80.03	80.00			2.02
" "	N. 1° 25' W.	319.48	319.38			7.90
" "	N. 1° 19' W.	79.90	79.88			1.84
North "	S. 89° 45' E.	450.21		1.96	450.21	
East "	South	478.70		478.70		
Convergency					.53	
Totals			480.92	480.66	450.74	450.82
Error in lat. and dep.			480.66			450.74
			.26			.08

*Scott C. Stewart*  
U. S. Surveyor.

*Edward M. Thompson*  
U. S. Transitman.

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**Page**



FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursu-  
of special instructions received from the U. S. Surveyor General for \_\_\_\_\_  
bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and t  
in my own proper person, and in strict conformity with said instructions, the Manual of Surve  
Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final oath of U.S. Surveyor and final certificate of U.S. Trans  
man, see book "J" T.27 S., R.1 E.

\_\_\_\_\_ of the \_\_\_\_\_  
Meridian, in the State of \_\_\_\_\_, which are represente  
the foregoing field notes as having been executed by me, and under my direction; and I do fur  
solemnly swear that all the corners of said survey have been established and perpetuated in strict acc  
ance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surve  
General for \_\_\_\_\_ and in the specific manner described in the field notes, and  
the foregoing are the original field notes of such survey.

U. S. Surveyor

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 26, 191 \_\_\_\_\_

The foregoing field notes of the survey of retracement and resurvey of the Salt  
Lake Meridian, Township No. 28 South, between Ranges Nos. 1 East and  
West, and survey of the subdivision of Township No. 28 South, Range  
No. 1 East, of the Salt Lake Base and Meridian, Utah,

executed by their Scott P. Stewart and Edward N. Thompson  
under his special instructions dated May 4, 191 4, having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the  
retracements, resurveys, and  
surveys they describe, are hereby approved.

*[Signature]*  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_  
\_\_\_\_\_, has been correctly copied from the original notes on file in this office.

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**Page**

BOOK A-422

1-079

1.

# FIELD NOTES

OF THE SURVEY OF THE

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~~RETRACEMENT AND RESURVEY OF PART OF FREMONT VALLEY GUIDE MERIDIAN~~

~~TOWNSHIP NO. 25 SOUTH, BETWEEN RANGES NOS. 2 AND 3 EAST;~~

~~RETRACEMENT AND RESURVEY OF PART OF THE NORTH BOUNDARY;~~

~~AND~~

~~RETRACEMENT, RECOVERY, AND SURVEY OF SUBDIVISION~~

~~OF~~

~~TOWNSHIP NO. 25 SOUTH, RANGE NO. 2 EAST.~~

Of the SALE LAST PAGE AND Meridian,

the State of U. T. A. H.

EXECUTED BY

ROBT P. STEWART AND EDWARD N. THOMPSON

and U.S. Transition  
in the capacity of U. S. Surveyor G., under instructions dated May 4, 1914,

issued by the United States Surveyor General to govern surveys included in  
map No. 27, which were approved by the Commissioner of the General Land

Office, May 29, 1914; assignment instructions issued by the  
District Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced August 5, 1915.

Survey completed August 19, 1915.

INDEX DIAGRAM

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INDEX DIAGRAM.

Township 28 S Range 2 E

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BOOK A-422

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Resurvey of Fremont Guide Meridian, through T.26 S., Rs.2 and 3 East.

Chains

Survey commenced August 5, 1915, and executed with a Young and Sons. light mountain transit No. 8584, the horizontal limb being provided with two double opposite verniers reading to single minutes of arc.

The instrument was approved by the Assistant Supervisor of Surveys May 6, 1915.

I examine the adjustments of the instrument, and correct the level and collimation errors; then to test the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At 5 h 6 m, p. m. l.m.t., at the cor. of secs. 13, 18, 19, and 24, hereafter described, latitude  $38^{\circ}22'$  N., longitude  $111^{\circ}41'$  W.; I set off  $38^{\circ}22'$  on the lat. arc;  $17^{\circ}5'$  N. on the decl. arc; and determine a meridian with the solar and mark a point thereof by a tack in a wooden peg set in the ground 5 chs. N. of the corner.

At 10 h 39 m p.m., l. m. t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of the cor.

August 6: At 7h 36m a. m., l. m. t., I lay off the azimuth of Polaris,  $1^{\circ}27'$  to the west, and mark the meridian thus determined by a tack in the peg set August 5, on which the meridian falls 0.16 in. east of the mark determined by the solar.

At 8 h 6 m a. m., l. m. t., I set off  $38^{\circ}22'$  N. on the lat. arc;  $16^{\circ}54\frac{1}{2}'$  N. on the decl. arc; and mark a point in the meridian thus determined with the solar by a tack in the peg already set 5 chs. N. of the cor.; this mark falls 0.29 ins. east of the meridian established by the Polaris observation.

The solar apparatus, by p.m. and a.m. observations defines

Resurvey of Fremont Guide Meridian, through T. 28 S., Rs. 2 and 3 E.

Chains.

positions for meridians respectively about 0' 8" west and 0' 15" east of the meridian established by the Polar observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 20m a.m. is N. 16° 40' W.; the angle thus determined gives the mag. decl. 16° 40' E.

August 5; At 8h 6 m a. m. 1. m. to, I set off 38° 19' on the lat. arc; 17° 11' N., on the decl. arc; and determine a meridian with the solar at the cor. of Tp. 28 S., Rs. 2 and 3 E., described in the notes of the Fremont Guide Meridian, through Tp. 29 S., Rs. 2 and 3 E.

Thence I run North, on a retracement line, bet. secs. 31 and 36.

39.89 Fall 30 lks. W. of the old  $\frac{1}{4}$  cor. hereafter described. The course of this half mile is therefore N. 0° 26' E.

79.89 Fall 42 lks. W. of the old cor. of secs. 25, 30, 31, and 36, hereafter described.

The course of this half mile is therefore N. 0° 10' E.

Therefore from the cor. of Tps. 28 S. Rs. 2 and 3 E. I run N. 0° 26' E., on a resurvey line bet. secs. 31 and 36.

Over rolling mountainous land through dense undergrowth, ascend gently.

3.00 Top of ridge, 5 ft. above cor., bears E. and W. Descend.

Enter heavy cedar and pinon pine timber, bears E. and W.

17.90 Bottom of draw, 100 ft. below ridge, course E. Ascend.

25.10 Top of ridge, 25 ft. above draw, bears E. and W. Descend.

39.00 Bottom of draw, 100 ft. below ridge, course E. Ascend.

Difference bet. measurments of 39.89 chs., by two sets of chainmen is 4 lks.; position of middle point by

By 1st set 39.87 chs.

By 2nd set 39.91 chs.; the mean of which is

39.89 The old  $\frac{1}{4}$  sec. cor. which is a trachyte stone, 16 X 14 X 8 ins. above ground, marked  $\frac{1}{4}$ , firmly set, I remonument

Survey of Fremont Guide Meridian, through T. 28 N. 3 E., Rs. 2 and 3 E.

ains. at the same point as follows:

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, alongside the old cor., for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

T 28 S 36 S31  
1915.

raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Change course N. 0° 10' E.

42.60 Spur, 30 ft. above  $\frac{1}{4}$  cor. bears E. and W. Descend.

44.60 Draw, 5 ft. below spur, course NE. Ascend.

48.20 Ridge, 25 ft. above draw, bears E. and W. Descend.

Leave timber, bears E. and W.

64.80 Draw, 110 ft. below ridge, course N. 30° E. Ascend.

72.00 Ridge, 20 ft. above draw, bears NE. and SW. Descend.

76.10 Old road, bears E. and W.

Difference bet. measurements, by two sets of chainmen is 4 lks.; position of middle point

By 1st set 79.87 chs.

By 2nd set 79.91 chs.; the mean of which is

79.89 The old cor. of secs. 25, 30, 31, and 36, which is a trachyte stone, 12 x 10 x 6 ins. above ground, firmly set and marked as described by the Surveyor General, but not witnessed. I re-monument the cor. at the same point as follows: Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, mkd. on brass cap

T 28 S  
N 2 E S R 3 E  
S25 S30  
S36 S31

1915.

raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

The cor. is 50 ft. below ridge.

Land rolling mountainous country.

Soil, disintegrated volcanic rock, 1 to 3 ft. deep, with solid volcanic rock sub-soil.

Timber cedar and pinon pine.

Undergrowth sage and yellow brush, average 1 ft. high.

Casins. Good grass for grazing.

August 5; At this cor. I set off  $17^{\circ} 9' N.$ , on the decl. arc; and at 12 h 5 m l. m. t., observe the sun on the meridian; the resulting lat. is  $39^{\circ} 20' N.$

North, on a retracement line bet. secs. 25 and 30.

40.13 $\frac{1}{2}$  Fall 29 lks. W. of old  $\frac{1}{4}$  sec. cor. described below.

The course of the  $\frac{1}{2}$  mile is therefore N.  $0^{\circ} 25' E.$  40.13 $\frac{1}{2}$

79.65 Fall 56 lks. W. of the old cor. of secs. 19, 24, 25, and described below.

The course of this  $\frac{1}{2}$  mile is therefore N.  $0^{\circ} 23' E.$  39.51 $\frac{1}{2}$

Therefore from the cor. of secs. 25, 30, 31, and 36, I run N.  $0^{\circ} 25' E.$ , on a resurvey line, bet. secs. 25 and 30.

Over rolling mountainous land through dense short undergrowth, descend.

.15 Draw, 2 ft. below sec. cor., course E. Ascend.

4.00 Ridge, 25 ft. above draw, bears E. and W. Descend.

8.40 Enter scattering timber, bears E. and W.

Swale, 5 ft. below ridge, course E. Ascend.

11.00 Ridge, 15 ft. above swale, bears E. and W. Descend.

12.80 Old road, bears NE. and SW.

15.60 Old road, bears NE. and SW.

22.10 Old road, bears E. and W.

Difference bet. measurements of 40.13 $\frac{1}{2}$  chs., by two sets of chainmen is 3 lks.; position of middle point

By 1st set 40.13 chs.

By 2nd set 40.15 chs.; the mean of which is

40.13 $\frac{1}{2}$  The old  $\frac{1}{4}$  sec. cor. which is a trachyte boulder 4 x 4 x 3 ft. above ground, mtd.  $\frac{1}{4}$  on W. face, but not witnessed to retracement the cor. as follows:

By size of stone set an iron post, 3 ft. long, 1 in. in diam. for  $\frac{1}{4}$  sec. cor. mtd. on brass cap  $\frac{1}{4}$  225 | 230

Resurvey of the Fremont Guide Meridian, through T. 28S., Rs. 2 and 3 E.

Chains.

from which

A pinon pine, 18 ins. in diam., bears S. 66° 45' E.

30 lks. dist., mkd.  $\frac{1}{2}$ S30BT.

A pinon pine, 14 ins. in diam., bears N. 26° 30' W.

128 lks, dist., mkd.  $\frac{1}{2}$ S25BT.

The corner is 170 ft. below ridge.

Change course N. 0° 23' E.

42.55 Old road, bears E. and W.

45.00 Draw, 15 ft. below  $\frac{1}{2}$  sec. cor. Course E. Ascend.

47.50 Ridge, 25 ft. above draw, bears E. and W. Descend.

63.50 Old road, bears E. and W.

73.10 Draw, 100 ft. below ridge, course S. 50° E.; ascend.

78.50 Ridge, 10 ft. above draw, bears E. and W. Descend.

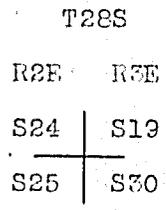
Difference bet. measurements of 72.65 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 72.64 chs.

By 2nd set 72.66 chs.; the mean of which is

72.65 The old cor. of secs. 19, 24, 25, and 30, which is a trachyte stone, 14 x 8 x 6 ins. above ground, firmly set and marked as described by the Surveyor General; but not witnessed. I re-monument the cor. as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1 ft. high, for cor. of secs. 19, 24, 25, and 30, mkd. on brass cap



1915.

from which

A pinon pine, 24 ins. in diam., bears S. 3° 20' E.;

123 lks. dist., mkd. T28SR3E30BT.

A pinon pine, 20 ins. in diam., bears S. 82° 40' W.,

177 lks. dist., mkd. T 28SR2E25BT.

A pinon pine, 5 ins. in diam., bears N. 69° 30' W.,

Resurvey of Fremont Guide Meridian, through T.28S., Rs. 2 and 3 E.

Chains.

126 lks. dist., mkd. T28SR2ES24BT.  
And raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.  
Corner 1 ft. below ridge. No other trees within limits.

Land mountainous, rolling.

Soil, gravelly, disintegrated volcanic rock, from 1 1/2 ft.  
to 1/2 ft. deep, with sub-soil of solid volcanic rock.

Timber, scattering pinon pine.

Undergrowth, sage and yellow brush, average 1 ft. high.

Very little grass for grazing at this season of the year.

North, on a retracement line bet. secs. 19, and 24.

40.15 Fall 51 lks E. of the old 1/2 sec. cor., described below.

The course of this half mile is N. 0° 44' W. 40.15 chs.

79.59 Fall 51 lks. E. of the old cor. of secs. 13, 18, 19, and 24

described below.

The course of this 1/2 mile is therefore North 39.44 chs.

Therefore from the cor. of secs. 13, 24, 25, and 30, I run

N. 0° 44' W., on a resurvey line, bet. secs. 19 and 24.

Over rolling mountainous land, through scattering cedar  
and pinon pine timber, and scattering short undergrowth,  
descend gradually.

23.00 Old road, bears N.E. and S.W.

24.55 Old road, bears N. 20° E. and S. 20° W.

26.15 Lumber shanty, 10 x 12 ft. bears W. 60 lks. Dist. Claimant  
unknown. It is used in connection with a sheep shearing  
corral nearby, in the spring of the year.

28.70 South edge of rocky ledges, 5 ft. above draw, bears NE.  
and SW. Thence over ledges.

37.30 Leave rocky ledges, bears E. and W.

39.30 Low divide, at head of swales running NW. and SE.,

39.35 Old road from Loa, to shearing corral, bears, NW. and SE.  
Difference bet. measurements of 40.15 chs., by two sets of  
chainmen is 4 lks.; position of middle point

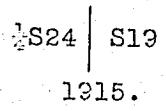
By 1st. set 40.13 chs.

Resurvey of Fremont Guide Meridian, through, T.28 S., Rs. 2 and 3 E.

Chains

By 2nd set 40.17 chs.; the mean of which is

40.15 The old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 10 x 10 x 4 ins., above ground, firmly set and marked  $\frac{1}{4}$  on W. face, but not witnessed. I remonument the cor. as follows:  
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd. on brass cap



raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
The cor. is 30 ft. below ledges.

Change course North.

42.00 Begin ascent over rocky ledges, bears E. and W.

50.00 Rocky ridge, 30 ft. above  $\frac{1}{4}$  sec. cor. bears E. and W.  
Descend.

62.80 Leave ledges, and timber, bears NE and SW.  
Enter valley, bears same.

65.00 Center of wash, 50 lks. wide, 2 ft. deep, course N.E.

67.20 Old road, bears N.60°E. and S.60°W.

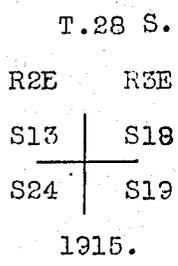
72.20 Old road, bears N.70°E. and S.70°W.

Difference bet. measurements of 79.59 chs. by two sets of chainmen is 6 lks., position of middle point  
By 1st set 79.56 chs.

By 2nd set 79.62 chs.; the mean of which is

79.59 The old cor. of secs. 13, 18, 19, and 24, which is a trachyte stone, 12 x 8 x 6 ins., on top of ground in mound of stone, mkd. and witnessed as described by the Surveyor General. I remonument the cor. as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground, by side of stone, for cor. of secs. 13, 18, 19, and 24, mkd. on brass cap



Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

## Resurvey of Subdivision of T.28 S., R. 2 E.

## Chains.

The cor. is 85 ft. below ridge.

Land, mountainous, rolling, and nearly level valley.

Soil, clay and gravelly loam and rocky, from  $\frac{1}{2}$  ft. to 2 ft deep, with solid volcanic rock sub-soil on S. 62.80 chs., and clay and gravelly sub-soil on balance.

Timber, scattering cedar and pinon pine.

Undergrowth, sage and yellow brush, about 1 ft. high.

Very little grass for grazing at this season of the year.

August 5, 1915.

August 6. For solar observation see page 1. From the cor. of secs. 13, 18, 19, and 24, I run

West, on a retracement line, bet. secs. 13 and 24.

39.68 Fall 5 lks. N. of the old  $\frac{1}{4}$  sec. cor., described below.

The course of this half mile is S. 89° 56' W., 39.68 chs.

79.70 Fall 16 lks. S. of the old cor. of secs. 13, 14, 23, and 24, described below.

The course of this half mile is N. 89° 42' W. 40.02 chs.

Therefore from the cor. of secs. 13, 18, 19, and 24, on

E. bdy. of Tp. I run

S. 89° 56' W., on a resurvey line, bet. secs. 13 and 24.

Over rolling valley land, through scattering short undergrowth. Ascend gently.

11.20 Center of wash, 10 ft. wide, 2 ft. deep, course N.E.

18.65 Old road from Loa, to the shearing corral, bears N. and S.

39.68 The old  $\frac{1}{4}$  sec. cor. which is a trachyte stone, 8x 6 x 5 ins. above ground, mkd. and witnessed as described by the Surveyor General. I remonument this cor. as follows:  
Set an iron post, 3 ft. long. 1 in. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base 1 ft. high, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

S13

$\frac{1}{4}$

S24

1915

Resurvey of Subdivision of T.28 S., R.2 E., Cont.

Chains.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.  
From this cor. the Tabernacle Spire in Loa, bears N. 3° 14' W.,  
and the school house spire in Loa, bears N. 2° 15' E.

This corner is, 80 ft. above sec. cor.

Change course N. 89° 42' W.

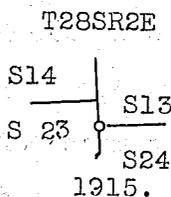
59.70 Spur, 25 ft. above 1/2 sec. cor. bears N. 30° E. and SW.

Descend.

63.90 Draw, 5 ft. below rridge, course N. 30° E. Ascend, 90 ft. to

79.70 The old cor. of secs. 13, 14, 23, and 24, which is a  
trachyte boulder, 5 x 4 x 3 ft., above ground, mkd. and  
witnessed as described by the Surveyor General. I remonu-  
ment the cor as follows:

At the west side of boulder I set an iron post, 3 ft. long,  
2 ins. in diam., 3 ins. in the ground, on solid rock, and  
surrounded by mound of stone, 4 ft. base, 2 ft. high, for  
cor. of secs. 13 and 24, only; knowing that a closing  
corner will be necessary for secs. 14 and 23; mkd. on  
brass cap



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor.

Land rolling valley.

Soil, E. 1/2 mile gravelly, W. 1/2 mile rocky, sub-soil volcanic  
rock on W. 1/2 mile; clay and gravelly on E. 1/2 mile.

No timber.

Undergrowth, short sage and yellow brush.

Very little grass for grazing at this season of the year.

August 6: At this cor. I set off 16° 52' N., on the decl.  
arc; and at 12 h 6 m 1. m. t. , observe the sun on the  
meridian, the resulting lat. is 38° 22' N.

North, on a retracement line bet. secs. 13 and 14, from  
the cor. of secs. 13 and 24.

39.81 Fall 17 1/2 lks. W. of the old 1/2 sec. cor., described below.

Resurvey of Subdivision of T.28 S., R.2 E., Cont.

Chains.

- The course of this  $\frac{1}{2}$  mile is N.0°15'E. 39.81 chs.
- 79.66 Fall 30 $\frac{1}{2}$  lks. W. of the old cor. of secs. 11, 12, 13, and 14, described below.
- The course of this  $\frac{1}{2}$  mile is N.0°11'E. 39.85 chs.
- Therefore from the cor. of secs. 13 and 24, I run N.0°15'E., on a resurvey line bet. secs. 13 and 14. Over rolling foot hills, through scattering short undergrowth; descend gently.
- 9.40 Enter scattering scrub cedar and pinon pine timber, bears E. and SW.
- 18.00 Leave timber, bears NW. and SE.
- 23.80 Draw, 100 ft. below sec. cor. course E. Ascend.
- 38.15 Old road, bears N.E. and SW.
- 39.81 The old  $\frac{1}{4}$  sec. cor., which is a trachyte stone, 10 x 8 x 4 ins. loosely set in mound of stone, mkd.  $\frac{1}{4}$  on W. face.
- I remonument the cor as follows:
- Set an iron post, 3 ft, long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. mkd. on brass cap
- |       |     |
|-------|-----|
| S14   | S13 |
| 1915. |     |
- Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.
- The Tabernacle spire in Loa, bears N.11°23'E.
- The School house spire in Loa, bears N.18°9'E.  
Cor. on ridge, 30 ft. above draw, bearing E. and W.  
Change course N.0°11'E.
- 55.40 Center of wash, 25 lks. wide 5 ft. deep, course N.80°E.
- 64.30 Old road, Loa to Parker Lake, bears E. and W.
- 67.50 Center of wash, 50 lks. wide, 5 ft. deep, course N.80°E.
- 79.66 The old cor. of secs. 11, 12, 13, and 14, which is a trachyte stone, 8 x 8 x 6 ins., set 2 ins. in the ground, and in stone mound, mkd. as described by the Surveyor General. I remonument the cor. as follows:
- Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 11, 12, 13, and 14, mkd. on brass cap
- |         |     |
|---------|-----|
| T28SR2E |     |
| S11     | S12 |
| S14     | S13 |
| 1915.   |     |

## Resurvey of Subdivision of T.28 S., R. 2 E.

## Chains

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. The cor. is 40 ft. below  $\frac{1}{4}$  sec. cor.

The Tabernacle spire in Loa, bears, N.  $15^{\circ}26'E$ .

The School house spire in Loa, bears N.  $23^{\circ}20'E$ .

The Church spire in Lyman, bears N.  $76^{\circ}47'E$ , about 5 miles dist.

Land, rolling hills.

Soil, clay and gravelly loam, 1 to 6 ft. deep, with a hard clay gravel and rock sub-soil. The S.  $\frac{1}{2}$  mile is rocky on the surface.

Timber cedar and pinon pine.

Undergrowth, short sage and yellow brush.

Very little grass for grazing at this season of the year.

West, on a retracement line, bet. secs. 11 and 14.

39.59 Fall 12 lks. S. of the old  $\frac{1}{4}$  sec. cor., described below.

The course of this  $\frac{1}{2}$  mile is N.  $89^{\circ}50'W$ . 39.59 chs.

73.87 Fall 3 lks. S. of the old cor. of secs. 10, 11, 14, and 15, described below.

The course of this  $\frac{1}{2}$  mile is S.  $89^{\circ}52'W$ . 40.28 chs.

Therefore from the cor. of secs. 11, 12, 13, and 14, I run N.  $89^{\circ}50'W$ , on a resurvey line bet. secs. 11 and 14.

Over rolling foot hills, through scattering short undergrowth, ascend.

15.05 Old road, bears N. and S.

20.00 Ridge, 25 ft. above cor., bears N.E. and S.W. Descend.

27.50 Center of wash, 10 ft. below ridge, course N.E. Ascend.

29.52 The old  $\frac{1}{4}$  sec. cor., which is a trachyte stone, 20 x 12 x 8 ins. set 6 ins in the ground, and in mound of stone, mkd.

$\frac{1}{4}$  on N. face. I remonument the cor. at the same point as follows:

Set an iron post, 3 ft. long, 26 ins. in the ground, 1 in. in diam., by side of stone, for  $\frac{1}{4}$  sec. cor. mkd. on brass cap

Resurvey of Subdivision of T. 28 S., R. 2 E.

Chains. S11  
S14  
1915.

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.  
The cor. is 35 ft above draw. Change course S. 89° 52' W.

53.50 Enter scattering cedar and pinon pine timber, bears N. and S.  
Leave foot hills, ascend mountain, bears N. and S.

79.87 The old cor. of secs. 10, 11, 14, and 15, which is a trachyte stone, 12, x 8 x 5 ins., loosely set in mound of stone, and mkd. as described by the Surveyor General.  
I remonument the cor. as follows:  
Set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground, on solid rock, and surrounded by mound of stone, 3 ft. base, 1½ ft. high, for cor. of secs. 11 and 14 only; knowing that a closing cor. will later be necessary for secs. 10 and 15; mkd. on brass cap T28SR2E

S10  
S11  
S15  
S14  
1915.

From which

A pinon pine, 20 ins. in diam., bears N. 61° 15' E.  
67 lks. dist., mkd. T28SR2ES11ET.

A pinon pine, 14 ins. in diam., bears S. 29° 20' E.  
142 lks., dist., mkd. T28SR2ES14ET.

The Tabernacle spire in Loa bears N. 45° 48' E.  
The School house spire bears N. 50° 39' E.  
The corner is 130 ft, above ¼ sec. cor.

Land, rolling and mountainous.  
Soil, gravelly on E. ½ mile, with sub-soil same; W. ½ mile rocky, with solid volcanic rock sub-soil.  
Timber, pinon pine and cedar.  
Undergrowth, short sage and yellow brush.

August 6, 1915.

## Resurvey of Subdivision of T. 28 S., R. 2 E.

Chains.

August 7: At 8 h 6 m a. m., 1. m. t., I set off  $58^{\circ}23'$  on the lat. arc;  $16^{\circ}38'N.$  on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 11 and 14.

Thence I run

North, on a retracement line bet. secs. 10 and 11.

40.00 Fall 19 lks. E. of the old  $\frac{1}{4}$  sec. cor., described below.

The course of this  $\frac{1}{2}$  mile is  $N.0^{\circ}16'W.$  40.00 chs.

80.13 Fall 35 lks. E. of the old cor. of secs. 2, 3, 10, and 11, described below.

The course of this half mile is  $N.0^{\circ}14'W.$  40.13 chs.

Therefore from the cor. of secs. 11 and 14, I run

$N.0^{\circ}16'W.$ , on a resurvey line, bet. secs. 10 and 11.

Over rolling mountainous land, through scattering timber and scattering undergrowth; descend.

8.00 Leave timber, bears  $N.60^{\circ}E.$  and  $S.60^{\circ}W.$

18.80 Bottom of hollow, 100 ft. below cor. course E. Ascend.

20.90 Ridge, 15 ft. above hollow, bears  $S.70^{\circ}E.$  and W. Descend.

40.00 The old  $\frac{1}{4}$  sec. cor., which is a trachyte stone, 10 x 8 x 6 ins. loosely set in stone mound, marked  $\frac{1}{4}$  on W. face.

I remonument the cor. as follows;

Set an iron post, 3 ft. long, 1 in. in diam., by side of stone, 16 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mtd. on brass cap.

S10 | S11

1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

The corner is 60 ft. below ridge.

Change course  $N.0^{\circ}14'W.$

41.40 Draw, 5 ft. below  $\frac{1}{4}$  cor. course  $S.80^{\circ}E.$  Ascend.

51.50 Ridge, 15 ft. above draw, bears  $S.80^{\circ}E.$  and W. Descend.

68.00 Draw, 35 ft. below ridge, course E. Ascend.

72.00 Ridge, 10 ft. above draw, bears E. and W. Descend.

80.13 The old cor. of secs. 2, 3, 10, and 11, which is a trachyte stone, 10 x 8 x 8 ins. above ground, firmly set, and marked and witnessed as described by the Surveyor General.

Resurvey of Subdivision of T. 28 S., R. 2 E.

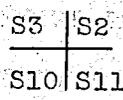
chains.

I remonument the cor. at the same point as follows:

Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, on solid rock, and surrounded by mound of stone 2 ft base, 1 ft. high, alongside of old corner stone, mkd on brass cap

T28SR2E

for cor. of secs. 2, 3, 10, and 11.



1915.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

The corner is 15 ft. below ridge.

Land, mountainous, rolling.

Soil, clay and rocky, from 1/2 ft. to 2 ft. deep, with solid volcanic rock formation sub-soil.

Timber cedar. Undergrowth sage and yellow brush.

West, on a retracement line, bet. secs. 3 and 10.

39.87 Fall 14 lks. N. of the old 1/4 sec. cor., described below.

The course of this 1/2 mile is S. 89°48'W. 39.87 chs.

79.92 Fall 21 lks. N. of the old cor. of secs. 3, 4, 9, and 10, described below.

The course of this 1/2 mile is S. 89°54'W. 40.05 chs.

Therefore from the cor. of secs. 2, 3, 10, and 11, I run S. 89°48'W., on a resurvey line, bet. secs. 3 and 10.

Over rolling rocky mountainous land, through dense, short undergrowth. Ascend.

29.70 Trail, bears N. 75°W. and S. 75°E.

37.80 Ridge, 205 ft. above corner; bears N. and S. 20°W.

Descend.

39.87 The old 1/4 sec. cor., which is a trachyte stone, 24 x 18 x 10 ins., loosely set, mkd. 1/4, and in old stone mound.

I remonument the cor. as follows:

Set an iron post, 3 ft. long; 1 in. in diam., 26 ins. in the ground, by side of stone, for 1/4 sec. cor. mkd. on brass cap

Resurvey of Subdivision of T.28S., R.2 E.

Chains.

S.3  
1/4

S10  
1915.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Corner 5 ft. below ridge.

Change course S.89°54'W.

40.90 Same trail, bears N.60°E. and SW.

65.40 Wash, 25 lks. wide, 6 ft. deep, in cañon, 200 ft. below ridge, course N. Ascend gently.

68.20 Creek, 8 lks. wide, 6 ins. deep, rocky bottom, rapid current, good water, course N.25°E.

71.96 From this point the source of spring, which has a flow of about 10 cubic feet per second, bears S.11°E. 4.60 chs. dist.

72.20 Old road, bears, N.20°W. and S.20°E.

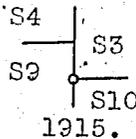
79.92 The old cor. of secs. 3, 4, 9, and 10, which is a trachyte stone, 10 x 9 x 8 ins. above ground, firmly set and mkd. 5 notches on S. and 3 on E. edges, but is not witnessed.

I remonument the cor. at the same point as follows:

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, alongside of stone, for cor. of secs. 3,

and 10, only; Knowing a closing cor. will later be necessary for secs. 4 and 9; mkd. on brass cap

T28SR2E



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor. The corner is 30 ft. above creek.

Land, mountainous, rolling.

Soil, E. 1/2 mile rocky clay loam, W. 1/2 gravelly and clay loam; from 1 to 6 ft. deep; with a volcanic rock sub-soil.

No timber.

Undergrowth, short sage and yellow brush.

Very poor grass for grazing at this season of the year.

August 7: At this cor. I set off 16°35' N. on the decl. arc.

## Resurvey of Subdivision of T. 28 S., R. 2 E.

Chains.

and at 12 h 6 m l.m.t., observe the sun on the meridian  
 the resulting lat. is  $38^{\circ}23'N$ .

XN

N. $0^{\circ}8'E$ ., on a retracement line, bet, secs. 3 and 4.

40.01 Fall  $3\frac{1}{2}$  lks. W. of the old  $\frac{1}{2}$  sec. cor., described below.

The course of this  $\frac{1}{2}$  mile is N. $0^{\circ}11'E$ . 40.01 chs.

80.20 Fall 7 lks. W. of the old cor. of secs. 3, 4, 33, and 34  
 on N.bdy. of Tp., described below. Course of N.  $\frac{1}{2}$  mile N. $0^{\circ}$   
 $11'E$ . 40.19 chs.

Therefore from the cor. of secs. 3 and 10, I run

N. $0^{\circ}11'E$ ., on a resurvey line, bet. secs. 3 and 4.

Over rolling mountainous land, through short scattering  
 undergrowth. Descend.

2.00 Wash, 21 lks. wide, 4 ft. deep, in draw, 5 ft. below cor.  
 course N.E.; ascend.

3.80 Ridge, 10 ft. above draw, bears E and W. Descend.

6.50 Draw, 15 ft, below ridge, course, N. $80^{\circ}E$ . Ascend.

12.60 Road, (old) bears N. $60^{\circ}E$ . and S. $50^{\circ}W$ .

12.80 Ridge, 10 ft. above draw, bears N. $70^{\circ}E$  and S. $70^{\circ}W$ .  
 Descend.

27.00 Wash, 20 lks. wide, 3 ft. deep, course N. $80^{\circ}E$ .

29.70 Old road, bears N. $65^{\circ}E$ . and S. $65^{\circ}W$ .

36.70 Draw, 60 ft. below ridge, course E. Ascend. 2 ft. to

40.01 The old cor. ( $\frac{1}{2}$  sec. ), which is a trachyte stone, 8 x 7  
 x 7 ins. above ground, firmly set and faintly marked  $\frac{1}{2}$ ,  
 but not witnessed. I remonument the cor. as follows:

Set an iron post, 3 ft. long, 1 in. in diam., alongside

of old stone, 26 ins. in the ground, for  $\frac{1}{2}$  sec. cor. mkd.

on brass cap

$\frac{1}{2}S4$  |  $S3$

1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Continue on same course.

53.80 Ridge, 5 ft. above  $\frac{1}{2}$  cor. bears E. and W. Descend.

73.30 Hollow, 30 ft. below ridge, course E. Ascend.

80.20 The old cor. of secs. 3, 4, 33, and 34, on N.bdy. of Tp.,

## Retracement and Resurvey of Subdivision of T.28S., R.2 E.

Chains.

which is a trachyte stone, 12 x 8 x 3 ins., loosely set in stone mound, mkd. with 3 notches on E. and 3 on W. edges; I remonument the cor. at the same point as follows: Set an iron post, 3 ft. long, 3 ins. in diam., 20 ins. in the ground, on solid rock, and surrounded by mound of stone, 2 ft. base  $1\frac{1}{2}$  ft. high, for cor. of secs. 3, 4, 33, and 34, mkd. on brass cap.

T27S

R2E	S33	S34
	S 4	S3

T28S

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

The S.E. cor. of the Loa (town) cement waterworks intake, a building 20 x 30 ft., bears N.  $12^{\circ}17'W.$ , 9.82 chs. dist.

The NW. cor. of a log house, Allred's, bears S.  $83^{\circ}37'E.$ , about 30 chs. dist.

The corner is 20 ft. above hollow.

Land mountainous, rolling.

Soil, clay, gravelly, and rocky, from 1 to 3 ft. deep, with sub-soil the same, but harder.

No timber.

Undergrowth, sage, greasewood, and yellow brush.

Good grass for grazing.

August 7, 1915.

## Retracement of N. Boundary of T:28 S.3 R. 2 E.

August 8: At 10 h 6 m a. m., 1. m. t., I set off  $38^{\circ}24'$  on the lat. arc;  $16^{\circ}20'N.$ , on the decl. arc; and determine a meridian with the solar at the cor. of secs. 3, 4, 33, and 34, on N. bdy. of Tp.

Thence I run

West, on a retracement, line bet. secs. 4 and 33.

39.62 Fall 27 lks. S. of the old  $\frac{1}{2}$  sec. cor., described below.

Resurvey of N. Bdy. of T. 28 S., R. 2 E.

Chains.

- The course of this  $\frac{1}{2}$  mile is therefore N. 89° 37' W. 59. chs.
- 72.74 Fall 10 $\frac{1}{2}$  lks. S. of the old cor. of secs. 4, 5, 32, and described below. The course of this  $\frac{1}{2}$  mile is therefore S. 89° 46' W. 40.1 chs.
- Therefore from the cor. of secs. 3, 4, 33, and 34, I run N. 89° 37' W., on a resurvey line bet. secs. 4 and 33. Over rolling mountainous land, through dense, short, undergrowth. Ascend.
- 14.00 Begin more abrupt ascent, bears N. and S.
- 20.00 Enter scattering pinon pine timber, bears NW. and SE.
- 32.62 The old  $\frac{1}{4}$  sec. cor., which is a trachyte stone, 10 x 8 x 6 ins. above ground, firmly set, and marked  $\frac{1}{4}$  on N. face but not witnessed. I remonument the cor. as follows; Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, by side of stone, for  $\frac{1}{4}$  sec. cor.; mkd. on brass cap  
S33  
S: 4  
1915.
- Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor. The  $\frac{1}{4}$  sec. cor. is 500 ft. above the sec. cor. Change course S. 89° 46' W.
- 42.60 East edge of broad ridge, 530 ft. above sec. cor., bears N. and S. Ascend gently.
- 66.20 Highest point on ridge, 85 ft. above  $\frac{1}{4}$  sec. cor., bears N. and S.
- 62.00 Leave timber, bears N. and SW.
- 70.00 West edge of ridge, bears N.E. and S.W. Descend.
- 72.74 The old cor. of secs. 3, 4, 33, and 34, which is a trachyte stone x 10 ins. above ground, firmly set, and mkd. and witnessed as described by the Surveyor General. I remonument the cor. as follows:  
Set an iron post, 3 ft. long, 3 ins. in diam., alongside of stone, 14 ins. in the ground, on solid rock, and sur-

## Resurvey of N. Bdy. of T. 28 S., R. 2 E.

Chains.

rounded by a mound of stone, 2 ft. base, 1 ft. high,  
mkd. on brass cap

	T 27 S	
R2E	S32	S33 ✓
	S 5	S.4

T28S  
1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
The cor. is 105 ft. below ridge.

Land mountainous.

Soil, clay gravelly and rocky loam, 1 to 2 ft. deep, with  
solid rock (volcanic) sub-soil.

Undergrowth, black and white sage, and yellow brush.

Timber, scattering piñon pine.

Poor grass for grazing at this season of the year.

August 8; At this cor. I set off  $16^{\circ}18\frac{1}{2}'N$ . on the decl.  
arc; and at 12h 6m l.m. t., observe the sun on the mer-  
idian; the resulting lat. is.  $38^{\circ}24'N$ .

—————

West, on a retracement line bet. secs. 5 and 32.

40.18 Fall 30 lks. S. of the old  $\frac{1}{2}$  sec. cor., described below.

The course of this  $\frac{1}{2}$  mile is therefore  $N.89^{\circ}34'W.40.18$  chs.

80.38 Fall 8 lks. S. of the old cor. of secs. 5, 6, 31, and 32,  
described below.

The course of the  $W.\frac{1}{2}$  mile is therefore  $S.89^{\circ}41'W.40.20$  chs.

Therefore from the cor. of secs. 4, 5, 32, and 33, I run  
 $N.89^{\circ}34'W.$ , on a resurvey line, bet. secs. 5 and 32.

Over rolling mountainous land through dense short under-  
growth; descend.

10.40 Draw, 60 ft. below sec. cor., course  $N.30^{\circ}E$ . Ascend.

10.85 Old wood road, bears  $N.30^{\circ}E$ . and  $S.30^{\circ}W$ .

18.30 Southerly end of ridge, 50 ft. above draw, from N.  
Descend.

40.18 The old  $\frac{1}{2}$  sec. cor., which is a trachyte stone, 8 x 6 x 6  
ins. above ground, firmly set, and marked and witnessed as  
described by the Surveyor General. I remonument the cor.

Chains. Set an iron post, 3 ft. long, 1 in. in diam., by side of  
stone, 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. mkd. on brass  
cap

S32

S 5

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  
The cor. is 15 ft. below ridge, in the N. side of a broad  
swale.

Change course S.89°41'W.

41.50 Old wood road, bears N.80°W. and S.80°E.

62.00 Enter scattering pinon pine timber, bears N. and S.

65.00 Ridge, 160 ft. above  $\frac{1}{4}$  sec. cor. bears N.E. and S.

Descend.

80.38 The old cor. of secs. 5, 6, 31, and 32, which is a trachyte stone  
8 x 6 ins., loosely set in the ground, with small stone  
mound N. of cor. The cor. is marked with 5 notches on E.  
and 1 on W. edges. I remonument the cor. as follows:

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in  
the ground, by side of stone, for cor. of secs. 5, 6, 31  
and 32, mkd. on brass cap

T27S

R2E	S31	S32
	S 6	S 5

T28S

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
The corner is 100 ft. below ridge.

Land, rolling mountainous country.

Soil, clay and gravelly, with gravelly and rocky sub-  
soil.

Timber pinon pine.

Undergrowth, sage and yellow brush, average about  $1\frac{1}{2}$  ft.  
high.

Good grass for grazing.

## Resurvey of N. Edy. of T.28 S., R. 2 E.

- Chains.
- West, on a retracement line bet. secs. 6 and 31.
- 40.03 Fall 6 lks. N. of the old  $\frac{1}{2}$  sec. cor., described below.  
The course of this  $\frac{1}{2}$  mile is therefore S.89°55'W. 40.03 chs.
- 78.50 Fall 5 lks. N. of The cor. of Tp. 27 S., Rs. 1 and 2 E., described in the notes of the E. Edy. of T.28 S., R. 1 E.  
The course of this  $\frac{1}{2}$  mile is therefore N.89°59'W. 38.47 chs.
- Therefore from the cor. of secs. 5, 6, 31, and 32, I run S.89°55'W., on a resurvey line, bet. secs. 6 and 31.
- Over rolling mountainous land, through dense short undergrowth, and scattering pinon pine timber. Descend.
- ..25 Draw, 3 ft. below cor. course N. Ascend.
- 1.00 Old road, bears N.10°E. and S.W.
- 17.30 Ridge, 160 ft. above draw, bears N.30°E. and S.30°W.  
Descend.
- 27.30 Swale, 15 ft. below ridge, course N. Ascend.
- 40.03 The old  $\frac{1}{2}$  sec. cor., which is a trachyte stone, 10 x 10 x 8 ins. above ground, firmly set, and marked and witnessed as described by the Surveyor General. I remonument the cor. as follows;
- Set an iron post, 3 ft. long, 1 in. in diam., by side of stone, 20 ins. in the ground, on solid rock and surrounded by a mound of stone, 2 ft. base, 1 ft. high; mkd. on brass cap
- |                 |
|-----------------|
| S 31            |
| <u>        </u> |
| S 6             |
| 1915.           |
- Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
The cor. is 50 ft. above swale.
- Change course N.89°59'W.
- 50.00 Ridge, 30 ft. above  $\frac{1}{2}$  sec. cor., bears NE. and SW. Descend.
- 62.65 Wood road, bears N.10°E. and S.10°W.
- 63.20 Draw, 100 ft. below ridge, course N.10°E. Ascend.
- 72.80 Ridge, 100 ft. above draw, bears N. and S. Descend.
- 78.50 The cor. of Tp. 27 S., Rs. 1 and 2 E.

Resurvey of N. Bdy. of T. 28 S., R. 2 E.

Chains.

Corner in depression, 10 ft. below ridge.

Land, mountainous, rolling.

Soil, clay and rocky, from 1 to 3 ft. deep; sub-soil solid volcanic rock formation.

Timber, scattering pinon pine.

Undergrowth, sage and yellow brush.

Poor grass for grazing at this time of the year.

August 8, 1915.

*Samuel C. Stewart*  
U.S. Surveyor.

Edward N. Thompson.

Subdivision of T. 28 S., R. 2 E.

Survey commenced August 6, 1915, and executed with a Young & Sons light mountain transit No. 8146, with solar attachment. The horizontal limb is provided with two double verniers, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was approved by the Assistant Supervisor of Surveys May 6, 1915.

In this survey all distances were measured on the natural slope of the ground, by 500 link steel tapes, tested at intervals with a standard 100 link steel tape, kept for that purpose. The vertical angles were measured by Leitz Clinometers, and the resulting horizontal distances computed by means of the Standard Field Table.

On account of the distance from camp to the cor. of secs. 35 and 36, it was impossible to test the instrument at that cor. before commencing the survey on August 6. Therefore a test on August 7 and 8, at camp in Loa, Utah was made as follows:

August 7, 1915: At camp, in Loa, Utah, near the center of Sect. 1, T. 28 S., R. 2 E., at 10 h 32. m., p.m., i. m.

## Subdivision of T. 28 S., R. 2 E.

Chains.

t., I observe Polaris at eastern elongation, in accordance with the Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground 5 chs. N. of my station. Latitude  $38^{\circ}24'N$ . Long.  $111^{\circ}41'W$ .

August 8: At 7h 30 m a.m., l. m. t., I lay off the azimuth of Polaris,  $1^{\circ}27'$  to the west, and mark the meridian thus determined, by a tack in a wooden peg 5 chs N. of my station.

At 8h 5m a.m., l. m. t., I set off  $38^{\circ}24'N$ . on the lat. arc;  $16^{\circ}22'N$ . on the decl. arc; and determine a meridian with the solar and mark the point on the peg already set 5 chs. N. This mark falls 0.28 ins. west of the meridian established by Polaris observation.

August 8: At this point, I set off  $16^{\circ}18'N$ . on the decl. arc; and at 12h 5m l. m. t., observe the sun on the meridian, the resulting lat. is  $38^{\circ}24'N$ .

At 4h 5m p.m., l. m. t., I set off  $38^{\circ}24'N$ . on the lat. arc;  $16^{\circ}18'N$ . on the decl. arc; and determine a meridian with the solar and mark the point on the peg already set 5 chs. N. This mark falls 0.76 ins. east of the meridian established by Polaris observation.

The solar apparatus, by a. m. and p. m. observations, defined positions for meridians, respectively about  $0'15''$  west and  $0'20''$  east, of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

August 8, 1915.

August 6: At 3 h 6 m a. m., l. m. t., I set off  $38^{\circ}20'N$ . on the lat. arc;  $16^{\circ}54'N$ . on the decl. arc; and determine a meridian with the solar at the cor. of secs. 35 and 36, on the S. Wy. of Tp., described in the notes of that boundary.

Thence I run

$N. 0^{\circ} 17' E.$ , bet. secs. 35 and 36, parallel to E. side

Subdivision of T.28 S., R.2 E.

Chains.

of the section.

Over rolling mountainous land, through scattering cedar, and pinon pine timber; descend.

18.90 Draw, 105 ft. below sec. cor. course E. Ascend.

23.90 Spur, 10 ft. above draw, bears E. and W. Descend.

30.20 Draw, 40 ft. below spur, course, E. Ascend.

34.20 Road, bears N.E. and S.W.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap

1/4 S35 | S36 ✓

1915

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. 35 ft. above draw.

46.10 Ridge, 70 ft. above draw, bears NE. and SW. Descend.

67.40 Draw, 95 ft. below ridge, course N.80°E. Ascend.

70.10 Ridge, 15 ft. above draw, bears N.80°E. and S.80°W. Descend.

74.40 Begin steeper descent, bears N.80°E. and S.80°W.

79.00 Draw, 30 ft. below ridge, course N.80°E. Ascend, 5 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, on solid rock, and surrounded by a mound of stone, for cor. of secs. 25, 26, 35, and 36, mkd. on brass cap

T28SR2E

S26 | S25 ✓

S35 | S36

1915.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay, gravel, and rocky loam; sub-soil rocky.

Timber, cedar and pinon pine.

X Undergro with sage and yellow brush.

Poor grass for grazing at this time of the year,

## Subdivision of T. 28 S., R. 2 E.

- Chains. East, on a random line bet. secs. 25 and 36.
- 40.00 Set. temp.  $\frac{1}{4}$  sec. cor.
- 79.98 Intersect E. bdy. of Tp. 9 lks. N. of the cor. of secs. 25, 30, 31, and 36, heretofore described.
- Thence I. run
- N.  $89^{\circ}56'W.$ , on a true line bet. secs. 25 and 36 .
- Over rolling mountainous land, through scattering cedar and pinon pine timber; ascend.
- .80 Draw, course N.  $80^{\circ}E.$
- 15.60 Wash, 8 lks. wide, 2 ft. deep in draw, 20 ft. above sec. cor. course S.  $20^{\circ}E.$  Ascend.
- 25.10 Spur, 30 ft. above wash, bears N. and S. Descend.
- 27.10 Swale, 15 ft. below spur, course NE. Ascend.
- 33.30 Spur, 45 ft. above swale, bears N.  $10^{\circ}W.$  and S.  $10^{\circ}E.$
- Descend, 15 ft. to
- 39.99 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd. on brass cap
- |               |
|---------------|
| S 25          |
| $\frac{1}{4}$ |
| S 36          |
| 1315.         |
- Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- At this cor. I set off  $16^{\circ}50' N.$ , on the decl. arc; and at 12 h 6 m l. m. t., observe the sun on the meridian; the resulting lat. is  $38^{\circ}20' N.$
- 40.10 Swale, 10 ft. below spur, course S.  $10^{\circ}E.$  Ascend.
- 45.00 Old road, bears NE. and SW.
- 66.10 Ridge, 70 ft. above swale, bears NW. and SE. Descend.
- 69.70 Swale, 10 ft. below ridge, course SE. Ascend, 20 ft. to
- 79.98 The cor. of secs. 25, 26, 35, and 36.
- Land, mountainous, rolling.
- Soil, clay, gravelly, and rocky loam from 2 to 4 ft. deep; sub-soil solid volcanic rock formation.
- Timber cedar and pinon pine.
- Undergrowth, sage and yellow brush.
- Very little grass for grazing at this time of the year.

Chains. The E. Bdy. of Sec. 25 has a bearing which exceeds the limits allowed by the Manual, therefore I run 500.00 North, on a sectional guide meridian, bet. secs. 25 and 26.

Over rolling mountainous land through scattering cedar and pinon pine timber, and scattering undergrowth.

Ascend on hillside.

12.00 Ridge, 15 ft. above sec. cor. bears E. and W. Descend.

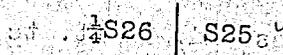
27.35 Old wood road, from Loa, bears E. and W.

34.50 Draw, 130 ft. below ridge, course E. Ascend.

36.30 Spur, 15 ft. above draw, bears E. and W. Descend.

38.80 Draw, 10 ft. below spur, course E. Ascend, 25 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 pins in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap



from which

A pinon pine, 8 ins. in diam., bears N. 30° 53' E. 154 lks. dist., mkd.  $\frac{1}{4}$ S25BT.

A pinon pine, 12 ins. in diam., bears S. 48° 30' W. 112 lks. dist., mkd.  $\frac{1}{2}$ S26BT.

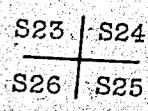
44.40 Ridge, 20 ft. above draw, bears E. and W. Descend.

53.40 Draw, 65 ft. below ridge, course E. Ascend.

56.10 Ridge, 35 ft. above draw, bears E. and W. Descend.

80.00 Point 95 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. in diam., 10 pins in the ground, on solid rock, and surrounded by mound of stone, for cor. of secs. 23, 24, 25, and 26, mkd. on brass cap



Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Land mountainous, rolling.

Soil, clay, gravelly, and rocky loam, with solid volcanic rock sub-soil.

## Subdivision of T.28 S., R.2 E.

Chains.

Timber cedar and pinon pine.

Undergrowth, sage and yellow brush.

August 6, 1915.

August 7: At 8 h 6 m a. m., l.m.t., I set off  $39^{\circ} 21' N.$  on the lat. arc;  $16^{\circ} 38' N.$ , on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 23, 24, 25, and 26.

Thence I run

S.  $89^{\circ} 56' E.$ , on a random line, bet. secs. 24 and 25.40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.61 Intersect E. Bdy. of Tp. 40 lks. N. of the cor. of secs. 19, 24, 25, and 30, heretofere described.

Thence I run

N.  $89^{\circ} 39' W.$ , on a true line bet. secs. 24 and 25.

Over rolling mountainous land, through dense cedar and pinon pine timber, and scattering undergrowth.

Descend.

6.40 Draw, 45 ft. below sec. cor., course N.E. Ascend.

11.40 Spur, 20 ft. above draw, bears N.  $75^{\circ} E.$  and S.  $75^{\circ} W.$  Descend.

16.00 Wash, in draw, 15 ft. below spur, course N.E. Ascend.

16.40 Spur, 35 ft. above draw, bears N.E. and S.W. Descend.

19.20 Draw, 10 ft. below spur, course N.  $10^{\circ} W.$  Ascend.24.00 Spur, 40 ft. above draw, bears N.  $10^{\circ} E.$  Descend.25.10 Draw, 15 ft. below spur, course N.  $10^{\circ} E.$  Descend.

28.10 Spur, 20 ft. above draw, bears N.E. and S.W. Descend.

32.60 Draw, 20 ft. below ridge, course N.  $60^{\circ} E.$ , Ascend, 25 ft. to

Leave heavy, and enter scattering timber, bears N. and S.

40.00 At this point on the 17 th day of November, 1915 I

Set an iron post, 1 in. in diam., 12 ins. in the ground on solid rock, and surrounded by a mound of stone, 2 ft.

base, 1 ft. high, for  $\frac{1}{4}$  sec. cor., for sec. 24, only,

mkd. on brass cap

S 24

 $\frac{1}{4}$ 

1915

## Subdivision of T. 26 S., R. 2 E.

## Chains.

from which

A pinon pine, 12 ins. in diam., bears N. 4° 0' W.  
133 lks. dist., mkd.  $\frac{1}{2}$ S24BT.

A pinon pine, 10 ins. in diam., bears N. 30° E.,  
93 lks. dist., mkd.  $\frac{1}{2}$ S24BT.

40.61 August 7, at this point,

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground, for  $\frac{1}{2}$  sec. cor. for secs. 24, and 25, but  
on the 17 th day of November, 1915, the cor. was changed  
to refer to sec. 25, only, and mkd. on brass cap

$\frac{1}{2}$   
S 25

1915.

from which

A pinon pine, 16 ins. in diam., bears S. 23° 45'  
W., 142 lks. dist., mkd.  $\frac{1}{2}$ S25BT.

A pinon pine, 10 ins. in diam., bears S. 44° 15' E.  
30 lks. dist., mkd.  $\frac{1}{2}$ S25BT.

The rest of the mile was continued on August 7, 1915.

- 40.20 Old wood road, from Lon, Utah, bears NE. and SW.
- 42.30 Ridge, 30 ft. above draw, bears N.E. and SW. Descend.
- 47.20 Draw, 5 lks. wide, 1 ft. deep, course NE.; ascend.
- 48.30 Draw, 15 ft. below spur, course N.E. Ascend.
- 54.30 Spur, 25 ft. above draw, bears NE. and SW. Descend.
- 56.30 Draw, 15 ft. below spur, course N. 20° E. Ascend.
- 59.30 Old wood road, from Lon, Utah, bears NW. and SE.
- 61.20 Spur, 10 ft. above draw, bears NE. and SW. Descend.
- 63.00 Draw, 10 ft. below spur, course N.E. Ascend.
- 69.61 The cor. of secs. 23, 24, 25, and 26, 25 ft. above draw.  
Land, mountainous, rolling.  
Soil, clay, and gravelly loam, and rocky; sub-soil volcanic  
rock.  
Timber, cedar and pinon pine.  
Undergrowth, short sage, and yellow brush.

Subdivision of T. 28S., R. 2 E.

Chains.

Poor grass for grazing, at this season of the year.

August, 7: At this cor. I set off  $16^{\circ}35'$  N. on the decl. arc; and at 12 h 6 m 1. m. t., observe the sun on the meridian; the resulting lat. is  $38^{\circ}21'N$ .

North, on a random line, bet. secs. 23 and 24.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.16 Fall 32 lks. W. of the cor. of secs. 13 and 24, heretofore described.

Thence I run

$S.0^{\circ}14'$  W., on a true line bet. secs 23 and 24.

Over rolling mountainous land, through scattering cedar and pinon pine timber, and scattering short undergrowth.

Ascend.

2.20 Wash, 3 lks, wide, 2 ft. deep, course  $N.80^{\circ}E$ .

9.10 Ridge, 20 ft. above sec. cor., bears E. and W. Descend.

13.40 Draw, 25 ft. below ridge, course,  $S.80^{\circ}E$ . Descend.

14.20 Old wood road, from Loa, Utah, bears  $S.75^{\circ}E$ .

35.20 Ridge, 80 ft. above draw, bears E. and W. Descend.

37.50 Draw, 20 ft. below ridge, course  $S. 80^{\circ}E$ . Ascend, 5 ft. to

39.16 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

the ground, for  $\frac{1}{4}$  cor. of secs. 23 and 24, but on the 17 the day of November, 1915 this cor. is changed to refer to sec. 23, only, mkd. on brass cap

$\frac{1}{4}$  S23 |  
1915.

from which

A pinon pine, 7 ins. bears  $N. 56^{\circ}47'W.$ , 26 lks. dist., mkd.  $\frac{1}{4}S23BT$ .

No other tree available in sec 23.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground

Chains. con. solid rock, and is surrounded by mound of stone, for  $\frac{1}{2}$  sec. cor. for sec. 24, only, mkd. on brass cap

$\frac{1}{2}$ S24 ✓

1915.

from which,

A pinon pine, 16 ins. in diam., bears N. 3° 20'

E 235 lks. dist., mkd.  $\frac{1}{4}$  S24BT.

There are no other trees available in sec. 24.

Raise a mound of stone, 2 ft. base  $1\frac{1}{2}$  ft. high, E. of cor.

The rest of the mile, was completed August 7, 1915.

- 44.30 Spur, 40 ft. above draw, bears E. and W. Descend.
  - 47.50 Wash, 5 lks. wide, 2 ft, deep, 5 ft. below spur, course E. Ascend.
  - 54.40 Spur, 35 ft. above draw, bears E. and W. Descend.
  - 57.00 Draw, 10 ft. below spur, course, N. 80° E. Ascend.
  - 63.50 Spur, 30 ft. above draw, bears N. 80° E. Descend.
  - 64.00 Draw, 10 ft. below spur, course S. 20° E. Ascend.
  - 68.00 Ridge, 10 ft. above draw, bears E. and W. Descend.
  - 74.70 Draw, 20 ft. below ridge, course E. Ascend.
  - 79.16 The cor. of secs. 23, 24, 25, and 26, 30 ft. above draw.
- Land, mountainous, rolling.
- Soil, clay, gravelly, and rocky, from 2 to 4 ft. deep; sub-soil solid volcanic rock.
- Timber cedar and pinon pine.
- Undergrowth, short sage and yellow brush.
- Poor grass for grazing, at this season of the year.

August 7, 1915.

August 9: At 9 h 5 m a. m., l.m.t., I set off 58° 19' on the lat. arc; 16° 4' N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 34, and 35, on S.Bdy. of Tp., described in the notes of that

Subdivision of T 28 S., R. 2 E.

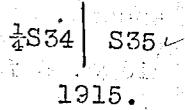
Chains. boundary.

Thence I run

N.0° 17'E., bet. secs 34 and 35.

Over rolling mountainous land, through scattering timber and undergrowth; descend, 100 ft. to

40.00 Set an iron post, 3 ft long, 1 in. in diam., 26 ins. in the ground for 1/4 sec. cor., mkd. on brass cap



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

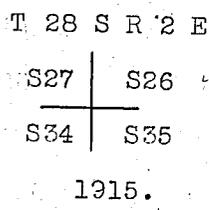
72.10 Old wood road, from Loa, Utah, bears NW. and SE.

73.20 Draw, 125 ft. below sec. cor., course N.10°W.

74.00 Ascend N. slope of ridge.

80.00 Point 20 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, for cor of secs. 26, 27, 34, and 35, on solid rock, and surrounded by mound of stone, 2 ft. base 1 1/2 ft. high, mkd. on brass cap



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land mountainous, rolling.

Timber cedar and pinon pine.

Soil, clay, gravelly, and rocky loam.

Undergrowth, sage, and yellow brush.

Poor grass for grazing, at this time of the year.

August 9: At this cor. I set off 16° 1' N. on the decl. arc; and at 12 h 6 m l. m. t., observe the sun on the th meridian; the resulting lat. is 38° 20' N.

East, on a random line, bet, secs. 26 and 35.

40.00 Set temp. 1/4 sec. cor.

## Subdivision of T. 28 S., R. 2 E.

## Chains.

80.00 Intersect N. and S. line at the cor. of secs. 25, 26, 35 and 36.

Thence I run

West, on a true line bet. secs. 26 and 35.

Over rolling mountainous land, through scattering cedar and pinon pine timber, and short undergrowth.

Ascend.

1.75 Ridge, 5 ft. above sec. cor., bears NW. and SE. Descend.

7.60 Wash, 4 lks. wide, 2 ft. deep, in draw, 10 ft. below spur, course S. 70° E. Ascend, 100 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, on solid rock, and surrounded by mound of stone, 2 ft. base, 1½ ft. high, mkd. on brass cap

S26

¼ ✓

S35

1915.

from which

A pinon pine, 12 ins. in diam., bears N. 58° 42' W.

155 lks. dist., mkd. ¼ S26E.

A pinon pine, 8 ins. in diam., bears S. 54° 34' W.

53 lks. dist., mkd. ¼ S35E.

45.30 Ridge, 105 ft. above draw, bears, N. and S. Descend.

80.00 The cor. of secs .26, 27, 34, and 35, 100 ft. below ridge.

Land, mountainous, rolling.

Soil, clay and gravelly loam, and rocky; sub-soil solid volcanic rock formation.

Undergrowth, sage and yellow brush.

Timber, cedar and pinon pine.

Very little grass for grazing, at this time of the year.

August 2, 1915.

## Subdivision of T. 28 S., R. 2 E.

Chains. August 10: At this nor. after a solar test I find the solar is out of adjustment, and cannot be relied upon, Therefore all the rest of the work done by me in this township the lines were deflected from lines previously run by me, or from the South boundary of the Tp. Repeated efforts to adjust the instrument for solar work were made, but without success.

From the cor. of secs. 26, 27, 34, and 35, I run N.0°1'W., bet. secs. 26 and 27.

Over rolling mountainous land, through scattering pinon pine and cedar timber, and short undergrowth.

Ascend.

10.80 Spur, 20 ft. above sec. cor., bears NW. and SE.

Descend.

14.68 Draw, 25 ft. below spur, course N.80°W. Ascend.

34.10 Ridge, 165 ft. above draw, bears E. and W. Descend.

39.70 Draw, 60 ft. below ridge, course, E. Ascend, 5 ft to.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

$\frac{1}{4}$ S27 | S26

1915

from which

A pinon pine, 9 ins. in diam., bears East, 56 lks. dist., mkd.  $\frac{1}{4}$  S26ET.

A pinon pine, 6 ins. in diam., bears S. 26°40'W. 111 lks. dist., mkd.  $\frac{1}{4}$  S27BT.

45.00 Begin abrupt ascent, bears E. and W.

51.80 Ridge, 110 ft. above draw, bears E. and W. Descend.

54.60 Swale, 25 ft. below ridge, course W. Ascend.

56.40 Begin steeper ascent, bears E. and W.

66.70 Ridge, 60 ft. above draw, bears E. and W. Descend.

71.00 Draw, 55 ft. below ridge, course W. Ascend.

72.25 Spur, 25 ft. above draw, bears E. and W. Descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, mkd. on

Subdivision of T. 28 S., R. 2 E.

Chains. brass cap

T28SR2E

S22 | S23

S27 | S26

1915.

Raise an mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. The cor. is 50 ft. below spur.

Land, mountainous, rolling.

Soil, clay and gravelly loam, from 1 to 3 ft. deep; sub-soil solid volcanic rock formation.

Timber cedar, and pinon pine.

Undergrowth, short sage and yellow brush.

Grass for grazing, poor at this time of the year.

East, on a random line bet. secs 23 and 26.

40.00 Set temp. 1/4 sec. cor.

79.88 Intersect N. and S. line at the cor. of secs. 23, 24, 25 and 26.

Thence I run

West, on a true line bet. secs. 23 and 26.

Over rolling mountainous land, through scattering timber, and scattering short undergrowth; Ascend, 270 ft. to

59.94 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor. mkd. on brass cap

S23

1/4

S26

1915.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

54.40 Old wood road from Loa, Utah, bears N. and S.

74.90 Ridge, 485 ft. above sec. cor., bears N. 10° E. and S. 10° W. Descend.

78.50 Begin more abrupt descent, bears N. and S.

79.88 The cor. of secs. 22, 23, 26, and 27, 40 ft. below ridge.

Land, mountainous, rolling.

Soil, clay, and gravelly loam, and rocky; sub-soil solid

Subdivision of T. 28 S., R. 2 E.

Chains. volcanic rock.  
 Timber cedar and pinon pine.  
 Undergrowth, short sage and yellow brush.  
 Poor grass for grazing, at this time of the year.

N.0°13'E., bet. secs. 22 and 23.

Over rolling mountainous land, through scattering cedar, and pinon pine timber, and scattering short undergrowth. Descend, 190 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, on solid rock, and surrounded by mound of stone, 1½ ft. base ½ ft. high, for ¼ sec. cor., mkd. on brass cap

S22	S23
1915.	

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

57.00 Begin more abrupt descent, bears N.E. and SW.

64.80 Wash, 20 lks. wide, 5 ft. deep, in draw, 355 ft. below sec. cor., course N.10°W.  
 Ascend.

74.40 Same wash, 5 lks. wide, 2 ft. deep, 10 ft. below wash, course E. Continue descent.

76.60 Same wash, 20 lks. wide, 4 ft. deep, 5 ft. below wash, course N.10°W.  
 Ascend.

80.00 Point 30 ft. above wash.  
 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, mkd. on brass cap

T28S R2E	
S15	S14
S22	S23
1915.	

from which

A pinon pine, 8 ins. in diam., bears S.74°40'W 227 lks. dist., mkd. T28SR2ES22BT.

No other trees within limits.

## Subdivision of T.28 S., R. 2 E.

Chains. Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of corner  
 Land, mountainous, rolling.  
 Soil, clay and gravelly loam, and rocky, from 2 to 4 ft.  
 deep; sub-soil, solid volcanic rock.  
 Timber, pinon pine and cedar.  
 Undergrowth, sage and yellow brush.  
 Grass for grazing, poor, at this time of the year.

August 10, 1914.

August 11:

East, on a random line bet. secs. 14 and 23.

40.00 Set: temp.  $\frac{1}{2}$  sec. cor.80.03 Intersect N. and S. line 82 lks.  $N.0^{\circ}15'E.$ , from the  
 cor. of secs. 13 and 24, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
 in the ground, for closing cor. of secs. 14 and 23, mkd.  
 on brass cap

T28S	R2E	
	S13	
S14		
	○	CC
S23		S24

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of corner

Thence I run

West, on a true line bet. secs. 14, and 23.

Over rolling mountainous land, through scattering timber  
 and undergrowth.

Ascend.

12.10 Spur, 45 ft. below spur, bears NE. and SW. Descend.

14.80 Gully, 25 ft. below spur, course  $N.20^{\circ}E.$  Ascend.

23.30 Spur, 65 ft. above draw, bears NE. and SW. Descend.

24.80 Draw, 15 ft. below spur, course S.E. Ascend.

25.30 Old wood road from Los, Utah, bears NW. and SE.

28.20 Same draw, 15 ft above last crossing, course  $N.80^{\circ}E$ 

Ascend.

37.00 Spur, 65 ft. above draw, bears NE. and SW. Descend.

## Subdivision of T. 26 S., R. 2 E.

## Chains.

39.40 Draw, 15 ft, below spur, course N. Ascend.

40.01 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground, on solid rock, and surrounded by mound of stone, 2 $\frac{1}{2}$ ft. base, 20 ins. high, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

S14.

 $\frac{1}{4}$ 

S23

1915

from which

A pinon pine, 14 ins. in diam., bears N.80°20'E., 79 lks. dist., mkd.  $\frac{1}{4}$  S14BT.

A pinon pine, 12 ins. in diam., bears S.24°11'W., 123 lks. dist., mkd.  $\frac{1}{4}$ S23ET.

40.60 Old wood road, form Loa, Utah, bears NE. and SW.

42.20 Spur, 15 ft. above draw, bears NE. and SW. Descend.

45.10 Draw, 20 ft. below spur, course N.E.

Leave timber, bears N. and S.

Ascend.

50.10 Spur, 10 ft. above draw, bears N.E. and SW. Descend.

55.10 Draw, 10 ft. below ridge, course N.E. Ascend.

75.00 Ridge, 115 ft. above draw, bears N. 10°E. and S.10°W.

Descend.

80.03 The cor. of secs. 14, 15, 22, and 23, 85 ft. below ridge.

Land, mountainous, rolling.

Soil, clay and gravelly loam, and rocky, from 1 to 4 ft. deep; sub-soil solid volcanic rock.

Timber, cedar and pinon pine.

Undergrowth, short sage and yellow brush.

N.0°13'E., on a random line, bet. secs. 14 and 15.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

78.81 Fall 5 lks. W. of the cor. of secs. 11 and 14, heretofore described.

- Chains.
- Thence I run S.0° 15' W., on a true line bet, secs. 14 and 15.
- Over rolling mountainous land, through scattering cedar and pinon pine timber, and scattering short undergrowth.
- Ascend.
- 5.20 Low ridge, 70 ft. above sec. cor. bears NE. and SW.
- Descend.
- 7.80 Wash, 30 lks. wide, 1 ft. deep, 15 ft. below ridge, course NE. Ascend.
- 20.10 Ridge, 40 ft. above wash, bears E. and W. Descend.
- 30.30 Wash, 25 lks. wide, 5 ft. deep, in gulch 105 ft. below ridge, course E. Ascend.
- 33.80 Leave timber, bears E. and W.
- Ascent less abrupt, bears same.
- 38.81 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap
- $\frac{1}{2}$  S15 | S14
- 1915.
- Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.
- Cor. on spur, 85 ft. above gulch, bears N.E. and SW.
- Descend.
- 43.80 Draw, 20 ft. below ridge, course NE.; ascend.
- 55.90 Ridge, 80 ft. above draw, bears N.E. and SW.
- Descend.
- 58.80 Draw, 80 ft. below ridge, course N.E. Ascend.
- 59.00 Old wood road from Loa, Utah, bears NE. and SW. (also Loa - Parker Lake Road).
- 63.20 Top of abrupt ascent, bears E. and W.
- 69.20 Ridge, 95 ft. above draw, bears NE. and W. Descend.
- 77.10 Wash, 15 lks. wide, 5 ft. deep, in cañon, 105 ft. below ridge, course NE., ascend.
- 78.81 The cor. of secs. 14, 15, 22, and 23, 30 ft. above wash.
- Land, mountainous, rolling.
- Soil, clay and gravelly loam, and rocky, from 1 to 3 ft. deep; sub-soil solid volcanic rock.

## Subdivision of T. 28 S., R. 2 E.

Chains. Timber cedar and pinon pine.

Grass for grazing, poor at this time of the year.

August 11, 1915.

*Edward N. Thompson.*

U.S. Transitman.

Scott P. Stewart.

August 9: At 8 h 5 m a. m., l. m. t., I set off  $38^{\circ}19'N.$  on the lat. arc;  $16^{\circ}4'N.$  on the decl. arc; and determine a meridian with the solar at the cor. of secs. 33 and 34, on the S. Bdy. of the Tp., described in the notes of said boundary.

Thence I run

$N.0^{\circ}16'E.$ , bet. secs. 33 and 34.

Over rolling mountainous land, through dense short undergrowth.

Ascend.

40.00 Ridge, 35 ft. above sec. cor., bears  $N.60^{\circ}W.$  and East. Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base  $\frac{1}{2}$  ft. high, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

$\frac{1}{4}S33 \mid S34$

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Descend.

45.30 Enter scattering pinon pine timber bears  $N.60^{\circ}E.$  and W.

60.00 Draw, 60 ft. below ridge, course East.

Ascend.

65.00 Ridge, 10 ft. above draw, bears E. and W. Descend.

70.60 Draw, 10 ft. below ridge, course  $S.80^{\circ}E.$  Ascend.

79.00 Ridge, 10 ft. above draw, bears E. and W. Descend.

80.00 Set an iron post, 3ft. long, 2 1/2 ins. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1 ft high, for cor. of secs. 27, 28, 33, and 34; mkd. on brass cap

Subdivision of T.28 S., R. 2 E.

Chains.

T28S R2E

S28 | S27

S33 | S34

1915

from which

A pinon pine, 12 ins. in diam., bears N.51°E.

269 lks. dist., mkd. T28S R2E S27 BT.

A pinon pine, 14 ins. in diam., bears S.76°30'E.,

290 lks. dist., mkd. T28S R2E S34 BT.

No other trees within limits.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Corner 1 ft. below ridge.

Land mountainous, rolling.

Soil, clay and gravelly loam, and rocky from 1 to 2 ft.

deep; sub-soil solid volcanic rock.

Undergrowth, white and black sage and yellow brush.

Timber cedar, and pinon pine.

Grass for grazing, poor at this time of the year.

August 9: At this cor. I set off 16° 1' N. on the decl.

arc; and at 12 h 5 m l. m. t., observe the sun on the meri-

idian; the resulting lat. is 38° 20' N.

East, on a random line, bet, secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

79.97 Intersect N. and S. line 5 lks. N. of the cor. of secs. 26, 27, 34, and 35.

Thence I run

N.89°58'W., on a true line bet. secs. 27 and 34.

Over rolling mountainous land, through short scattering undergrowth.

Descend.

2.10 Draw, 10 ft. below cor., course N. Ascend.

19.00 Enter scattering pinon pine timber, bears N. and SE.

## Subdivision of T.28 S., R 2 E.

Chains.

- 29.80 Ridge; 170 ft. above draw, bears NE. and SW. Descend.  
 39.98 $\frac{1}{2}$  Point for  $\frac{1}{4}$  sec. cor falls on solid rock on the surface,  
 I mark a (x) at the cor. point, and at same point  
 Set an iron post, 3 ft. long, 1 in. in diam, in mound  
 of stone, 4 ft. base; 2 ft. high, for  $\frac{1}{4}$  sec. cor., mkd.  
 on brass cap
- |               |
|---------------|
| S27           |
| $\frac{1}{4}$ |
| SE4           |
| 1915.         |

from which

A pinon pine, 24 ins. in diam., bears N. 40° 30'  
 E., 146 lks. dist., mkd.  $\frac{1}{4}$ S27ET.

A pinon pine, 4 ins. in diam., bears S. 29° 45' W.,  
 56 lks. dist., mkd.  $\frac{1}{4}$ S34ET.

The corner is 30 ft. below ridge.

- 45.00 Cañon, 30 ft. below  $\frac{1}{4}$  cor., course N. 60° E. Ascend.  
 50.00 Top of steep ascent, bears NE. and SW.  
 60.00 Wood road, bears NE. and SW.  
 61.15 Wood road, bears N. and S.  
 68.30 Wood road, bears N. 10° E. and S. 10° W.  
 79.97 The cor. of secs. 27, 28, 33, and 34, 200 ft. above cañon.

Land mountainous, rolling.

Soil, clay and gravelly loam, and rocky; from 1 to 3 ft.

deep; sub-soil solid volcanic rock.

Timber cedar and pinon pine.

Undergrowth short black and white sage, and yellow brush.

Grass for grazing, poor at this season of the year.

N. 0° 1' W., bet. secs. 27 and 28.

Over rolling mountainous land, through scattering timber,  
 pinon pine; and scattering short undergrowth.

Descend.

- 33.00 Old wood road, bears NE. and SW.

Subdivision of T. 28 S., R. 2 E.

Chains.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/2 sec. cor., mkd. on brass cap

1/2 S28 | S27 ✓

1915.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. The corner is 120 ft. below sec. cor.

44.85 Old wood road, bears E. and S. 80° W.

48.90 Draw, 65 ft. below 1/2 cor., course N. 60° E. Ascend.

53.30 Ridge, 15 ft. above draw, bears E. and W. Descend.

63.00 Hollow, 115 ft. below ridge, course N. 20° W. Ascend.

74.00 Rocky spur, 10 ft. above hollow, bears N. 10° W. and S. 10° E. Descend over ledges.

79.55 Leave ledges, at N. point of rocky ridge, bears E. and W.

80.00 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground, on solid rock, and surrounded by mound of stone 1 1/2 ft. base 1/2 ft. high, for cor. of secs. 21, 22, 27, and 28, mkd. on brass cap

T28S R2E

S21 | S22 ✓

S28 | S27 ✓

1915.

from which

A pinon pine, 18 ins. in diam., bears S. 6° 45' E., 138 lks, dist., mkd. T28S R2E S27 BT

A pinon pine, 10 ins. in diam., bears S. 5° 45' W., 190 lks. dist., mkd. T28S R2E S28 BT.

No other trees within limits.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. The corner is 30 ft. below ridge.

Land mountainous, rolling.

Soil, clay and gravelly loam and rocky, average about 2 ft. deep; with solid volcanic rock subsoil.

Undergrowth, sage and yellow brush.

Timber, scattering pinon pine.

Grass for grazing, poor, at this time of the year.

Aug. 2, 1915.

## Subdivision of T. 28 S., R. 2 E., S. 1

Chains.

August 11: At 8 h 5 m a.m., 1. m. to, I set off  $38^{\circ}21'$  on the lat. arc;  $15^{\circ}29'N.$  on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 21, 22, 27, and 28.

Thence I run

S.  $63^{\circ}56'E.$ , on a random line bet. secs. 22 and 27.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

73.30 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 22, 23, 26, and 27.

Thence I run

N.  $63^{\circ}56'W.$ , on a true line bet. secs. 22 and 27.

Over rolling mountainous land, through scattering short undergrowth, and scattering pinon pine.

Descend, abruptly.

11.20 Draw, 235 ft. below sec. cor. course N.  $20^{\circ}E.$  Ascend.

23.50 Old road, bears N. and S.

32.35 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, on solid rock, and surrounded by a mound of stone,  $1\frac{1}{2}$  ft. base,  $\frac{1}{2}$  ft. high, for  $\frac{1}{4}$  sec. cor. mkd. on brass cap

S22

S27

1215.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

The corner is 170 ft. above draw.

45.20 Ridge, 35 ft. above  $\frac{1}{4}$  sec. cor. bears N. and S. Desc.

55.70 Draw, 65 ft. above ridge, course NW. Ascend.

57.40 Ridge 5 ft. above draw, bears N.  $20^{\circ}W.$  and S. Descend.

61.20 Wood road, bears N.W. and SE.

65.10 Old wood road, bears NW. and SE.

74.50 Draw, 35 ft. below ridge, course N.  $20^{\circ}W.$  Ascend.

72.30 The cor. of secs. 21, 22, 27, and 28, 10 ft. above draw.

Land mountainous, rolling.

Soil, clay and gravelly loam, and rocky, from 1 to 3 ft. deep; sub-soil solid volcanic rock.

Timber, pinon pine.

Subdivision of T.28 S., R. 2 E.

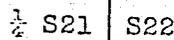
Chains Undergrowth, short sage and yellow brush.  
 Grass for grazing, poor, at this time of the year.  
 At this cor. I set off  $15^{\circ}26'N.$ , on the decl. arc; and  
 at 12 h 5 m. l. m. t., observe the sun on the meridian,  
 the resulting lat. is  $38^{\circ}21'N.$

$N.0^{\circ}13'E.$ , between secs. 21, and 22.

Over rolling mountainous land. through short scattering  
 undergrowth.

Descend.

- 9.10 Old road, bears  $N.10^{\circ}W.$  and  $S.10^{\circ}E.$
- 11.70 Old road, bears E. and W.
- 12.50 Old road, bears  $N.80^{\circ}W.$  and  $S.80^{\circ}E.$
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
 the ground, for  $\frac{1}{2}$  sec. cor., mkd. on brass cap



1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of  
 cor.

The  $\frac{1}{2}$  cor. is 65 ft. below sec. cor.

- 45.00 Swale, 5 ft. below  $\frac{1}{2}$  sec. cor., course E. Ascend.
- 50.60 Wood road, bears NE. and SW.
- 55.00 Ridge, 15 ft. above swale, bears E. and W.
- 60.90 Road, Loa, Utah, to Parker Lake, bears E. and  $S.80^{\circ}W.$
- 63.20 Wash, 25 lks. wide, 6 ft. deep, in draw, 20 ft. below  
 ridge, course E.

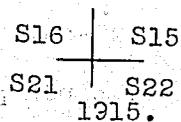
Ascend.

69.00 Ridge, 10 ft. above draw, bears E. and W.

80.00 Point 10 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.  
 in the ground, for cor. of secs. 15, 16, 21, and 22, mkd.  
 on brass cap

T28S R2E



## Subdivision of T. 28 S., R. 2 E.

Chains.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay and gravelly loam, and rocky, from 1 to 2 ft. deep; sub-soil, solid volcanic rock.

Undergrowth, sage and yellow brush.

Grass for grazing, poor, at this time of the year.

No timber.

S.  $89^{\circ}56'E.$ , on a random line, bet. secs. 15 and 22.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.92 Intersect N. and S. line 2 lks. S. of the cor. of secs. 14, 15, 22, and 23.

Thence I run

N.  $89^{\circ}57'W.$ , on a true line bet. secs. 15 and 22.

Over rolling mountainous land, through short scattering undergrowth.

Descend.

.80 Cañon, 125 ft. below sec. cor., course N.  $20^{\circ}E.$

Ascend.

9.70 Old road, bears N. and S.  $20^{\circ}W.$

16.00 Road from Loa, Utah to Parker Lake, bears N.  $40^{\circ}E.$  and S.  $50^{\circ}W.$

17.70 Ridge, 125 ft. above cañon, bears N.  $60^{\circ}E.$  and S.  $50^{\circ}W.$

Descend.

28.00 Draw, 20 ft. below ridge, course N. Ascend.

34.40 Ridge, 10 ft. above draw, bears N. and S. Descend.

39.96 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

S15

$\frac{1}{4}$

S22

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

Corner is 10 ft. below ridge.

43.80 Old road, bears NE. and SW.

Subdivision of T. 28 S., R. 2 E.

- Chains..
- 44.50 Draw, 10 ft. below  $\frac{1}{4}$  sec. cor., course NE. Ascend.
- 57.90 Enter timber, bears N. and S., scattering.
- 59.90 Ridge, 75 ft. above draw, bears N. and S. Descend.
- 61.90 Leave timber, bears N.  $60^{\circ}$ W. and S.
- 79.92 The cor. of secs. 15, 16, 21, and 22, 10 ft below ridge.  
 Land mountainous, rolling.  
 Soil, clay and gravelly loam, and rocky from 1 to 3 ft. deep; subsoil solid volcanic rock.  
 Timber, cedar, and pinon pine.  
 Undergrowth., sage and yellow brush.  
 Grass for grazing, poor, at this time of the year.

August 11, 1915.

August 12: At 8 h 5 m a. m., 1. m. t., I set off  $38^{\circ}22'$  on the lat. arc;  $15^{\circ}12'N.$ , on the decl. arc. and determine a meridian with the solar, at the cor. of secs. 15, 16, 21, and 22.

Thence I run

$N.0^{\circ}14'E.$ , bet. secs. 15 and 16.

Over rolling mountainous land, through scattering short undergrowth.

Descend.

- 11.60 Draw, 20 ft. below sec. cor., course  $N.10^{\circ}E.$   
Continue descent.

- 28.00 Draw, 80 ft. below sec. cor., course  $N.80^{\circ}E.$   
Ascend.

- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

$\frac{1}{4}$  S16 | S15 ✓

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft high, W. of cor. The corner is 35 ft. above draw.

- 42.10 Ridge, 5 ft. above  $\frac{1}{4}$  cor. bears  $N.60^{\circ}E.$  and  $S.60^{\circ}W.$

Subdivision of T. 28 S., R. 2 E.

Chains.

Descend.

47.75 Old wood road, bears E. and W.

53.90 Canon, 65 ft. below ridge, course S. 70 ° E. Ascend.

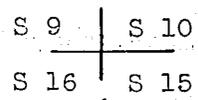
66.50 Ridge, 170 ft. above canon, bears N. 75° E. and West.

Descend.

80.00 Point 150 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 9, 10, 15, and 16, mkd. on brass cap

T 28 S R 2 E



1915.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay and gravelly loam and rocky, the rocky soil predominating. Soil from 6 ins. to 3 ft. deep, subsoil volcanic rock.

Undergrowth, sage and yellow brush.

No timber.

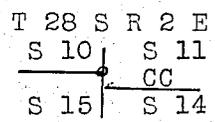
Knowing that the line bet. secs. 10 and 15 will not intersect within limits I run East on a random line for distance, only.

East, on a random line, bet. secs. 10 and 15.

40.00 Set temp. ¼ sec. cor.

79.88 Intersect N. and S. line 111 lks. N. 0°16'W., from the cor. of secs. 11 and 14, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1½ ft. high, for closing cor. of secs. 10 and 15, marked on brass cap



1915.

## Subdivision of T. 28 S., R. 2 E.

Chains. from which

A pinon pine, 30 ins. in diam., bears S. 68°W.,  
24 lks. dist.; mkd T28SR2ES15BT.

A pinon pine, 7 ins. in diam., bears N. 26°35'W,  
77 lks. dist., mkd. T28SR2ES10BT.

Thence I run

West, on a true line bet. secs. 10 and 15.

Over rolling mountainous land, through scattering pinon  
pine timber, and scattering short undergrowth.

Ascend.

1.90 Leave timber, bears N. and S.

31.80 Ridge, 190 ft. above sec. cor. bears N. 20° W. and S. 20°E

Descend.

39.94 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor. mkd. on brass cap

S 10

 $\frac{1}{4}$ 

S 15.

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor

The corner is 110 ft. below ridge.

44.30 Draw, 25 ft. below  $\frac{1}{8}$  sec. cor., course N. Ascend.

49.10 Old road, bears N. 20°W. and S. 20°E.

54.40 Wash, 15 lks. wide, 6 ft. deep, in draw, 30 ft. above  
last draw, course N. 30°E. Continue ascent.

65.00 Ridge, 35 ft. above draw, bears N. and S. Descend.

68.20 Draw, 10 ft. below ridge, course S. 20°E. Ascend.

69.70 Old road, bears NW. and SE.

79.88 The cor. of secs. 9, 10, 15, and 16, 75 ft. above draw.

Land mountainous, rolling.

Soil, clay, gravelly, and rocky, from 1 to 2 ft. deep;  
sub-soil solid volcanic rock.

Timber pinon pine.

Undergrowth sage, and yellowbrush.

Grass for grazing, poor, at this season of the year.

August 12: At this cor. I set off 15° 9' N. on the decl.

Subdivision of T. 28 S., R. 2 E.

Chains.

-arc; and at 12 h 5 m 1. m. t., observe the sun on the meridian; the resulting lat. is 38°23' N.

N. 0° 16'W., on a random line bet. secs. 9 and 10.

40.00 Set temp. 1/4 sec. cor.

78.85 Intersect E. and W. line, 7 lks. W. of the cor. of secs. 3 and 10, heretofore described.

Thence I run

S. 0°19'E., on a true line bet. secs. 9 and 10.

Over rolling mountainous land, through scattering short undergrowth.

Ascend.

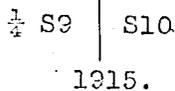
14.85 Ridge, 100 ft. above sec. cor. bears N.70°W. and S70°E. Descend.

23.90 Draw, 25 ft. below ridge, course E. Ascend.

28.20 Ridge, 30 ft. above draw, bears E. and W. Descend.

33.35 Draw, 40 ft. below ridge, course N.80°E. Ascend.

38.85 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base 1 1/2 ft. high, for 1/4 sec. cor., mkd. on brass cap



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

The corner is 95 ft. above draw.

45.45 Ridge, 85 ft. above 1/4 sec. cor. bears S80°E. and S.80°W. Descend.

54.00 Swale, 45 ft. below ridge, course S.70°E. Ascend.

64.00 Rocky ridge, 55 ft. above swale, bears N.80°W. and S.80°E. Descend.

72.30 Draw, 80 ft. below ridge, course N.70°E. Ascend.

76.70 Old road, bears E. and W.

78.85 The cor. of secs. 3, 10, 15, and 16, 50 ft. above draw.

## Subdivision of T. 28 S., R. 2 E.

Chains. Land mountainous, rolling.  
 Soil, clay and gravelly, and rocky loam; from 1 to 2 ft. deep; Subsoil volcanic rock.  
 Undergrowth, sage and yellow brush.  
 Poor grass for grazing at this season of the year.  
 No timber.

August 12, 1915.

August 10: At 8 h 5 m a.m., l. m. t., I set off  $38^{\circ}19'$  on the lat. arc;  $15^{\circ}47'$  N. on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 32, and 33, on S. Bdy. of Tp., described in the notes of said boundary.

Thence I run

N.  $0^{\circ}15'$  E., bet, secs. 32 and 33.

Over rolling mountainous land, through short scattering undergrowth.

Ascend.

15.00 Ridge, 20 ft. above cor. bears N.  $60^{\circ}$  W. and S.  $60^{\circ}$  E.

Descend.

25.00 Head of draw, 15 ft. below ridge, course S.  $60^{\circ}$  E.

Ascend.

32.00 Enter scattering cedars, bears NW. and SE.

36.00 Leave timber, bears NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 15 ins. in the ground, on solid rock, and surrounded by a mound of stone, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

$\frac{1}{4}$  S32 | S63

1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

The corner is on a ridge 90 ft. above draw, bears E. and W.

Descend.

56.30 Head of draw, 30 ft. below ridge, course West.

## Subdivision of T. 28 S., R. 2 E.

Chains.

Ascend.

72.00 Ridge, 50 ft. above draw, bears E. and W. Descend.

80.00 Point 45 ft. below ridge.

Set an iron post, 5 ft. long, 2 ins. in diam., 22 in the ground, on solid rock, and surrounded by a mound of stone, 1 ft. base,  $\frac{1}{2}$  ft. high, for cor. of secs. 28, 29, 32, and 35, mkd. on brass cap

T28S R2E

S29 | S28

S32 | S35

1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land mountainous, rolling. Timber scattering cedar. Soil, clay gravel, and rock, from 1 to 3 ft. deep; sub-soil solid volcanic rock formation.

August 10, 1915, At this cor. I set off  $15^{\circ}44'$  N. on the decl. arc; and at 12 h 0 m l.m.t., observe the sun on the meridian, the resulting lat. is  $38^{\circ}20'$  N.

East, on a random line, bet. secs. 28 and 33.

40.00 Set. temp.  $\frac{1}{2}$  sec. cpr.

80.03 Intersect N. and S. line 2 lks. N of the cor. of secs. 27, 28, 33, and 34.

Thence I run

N.  $89^{\circ}56'$  W., on a true line bet, secs. 28 and 33.

Over rolling mountainous land, through scattering pinon pine timber, and scattering short undergrowth.

Ascend.

27.00 Ridge, 190 ft. above sec. cor., bears N.  $20^{\circ}$  E. and S.

Descend.

27.50 Leave timber, bears NW. and SE.

40.01 $\frac{1}{2}$  Point 40 ft. below ridge.

Set an iron post., 3ft. long, 1 in. in diam., 26 ins.

Subdivision of T. 28S. R. 12 E.

Chains. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

S 28

$\frac{1}{4}$

S 33

1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.

80.03 The cor. of secs. 28, 29, 32, and 33, 60 ft. below  $\frac{1}{4}$  sec. cor.

Land mountainous, rolling.

Soil, clay, gravel, and rocky, from 1 to 3 ft. deep; sub-soil, solid volcanic rock.

Timber pinon pine.

Undergrowth, sage and yellow brush.

Grass for grazing, poor at this time of the year.

N.  $0^{\circ} 2' W.$ , bet. secs. 28 and 29.

Over rolling mountainous land, through scattering short undergrowth.

Descend.

1.00 Depression, 2 ft. below sec. cor., course W.

Ascend.

12.50 Ridge, 20 ft. above depression, bears E. and W. Descend.

40.00 Draw, 50 ft. below ridge, course W.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

$\frac{1}{4}$ S29 | S28

1915.

Raise a mound of stone, 2 ft. base  $1\frac{1}{2}$  ft. high, W. of cor.

Ascend.

60.00 Ridge, 5 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W.

Descend.

80.00 Point 85 ft. below ridge.

## Subdivision of T. 28 S., R. 2 E.

Chains. Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base  $1\frac{1}{2}$  ft. high, for cor. of secs. 20, 21, 28, and 29, mkd. on brass cap

T28S R2E

S20.	S21
S29	S28

1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay, gravel, and rocky, from 1 to 3 ft. deep; sub-soil volcanic rock.

Undergrowth, short sage and yellow brush.

No timber.

Grass for grazing, poor, at this time of the year.

August 10, 1915.

August 13: At 8 h 5 m a. m., l. m. t., I set off  $38^{\circ}21'$  on the lat. arc;  $13^{\circ}54'N.$ , on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 20, 21, 28, and 29.

Thence I run

$S.89^{\circ}56'E.$ , on a random line bet. secs. 21 and 28.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.14 Intersect N. and S. line, at the cor. of secs. 21, 22, 27, and 28.

Thence I run

$N.89^{\circ}56'W.$ , on a true line bet. secs. 21 and 28.

Over rolling mountainous land through scattering pinon pine timber, and scattering short undergrowth.

Descend gently.

12.10 Old road, bears  $N.20^{\circ}E.$  and  $S.20^{\circ}W.$

Subdivision of T. 28 S., R. 2 E.

Chains.

24.50 Draw, 20 ft. below sec. cor. course N. 20° E.

40.07 Point 235 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1 1/2 ft. high, for 1/4 sec. cor., mkd. on brass cap.

S21  
1/4

S28

1915

from which

A pinon pine 18 ins. in diam., bears N. 33° E 66 lks. dist., mkd. 1/4 S21BT.

A pinon pine, 4 ins. in diam., bears S. 19° W. 32 lks., dist., mkd. 1/4 S28BT.

50.20 Leave timber, bears NE. and SW.

60.20 Ridge, 105 ft. above 1/4 sec. cor., bears N. and S. 20° E. Descend.

80.14 The cor. of secs. 20, 21, 28, and 29, 75 ft. below ridge. Land mountainous, rolling.

Soil, clay, gravel, and rocky, the rocky predominating; sub-soil solid volcanic rock.

Timber pinon pine.

Undergrowth, sage and yellow brush.

Grass, poor at this time of the year.

August 13: At this cor. It set off 14° 51' N. on the decl. arc; and at 12 h 5 m 1. m. t., observe the sun on the meridian; the resulting lat. is 38° 21' N.

N. 0° 12' E., bet, secs. 20 and 21.

Over rolling mountainous land, through scattering short undergrowth.

Descend.

10.00 Enter scattering pinon pine and cedar timber, bears NW.

Subdivision of T. 28 S., R. 2 E.

Chains. and SE.

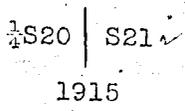
17.10 Draw, 70 ft. below sec. cor., course E. Ascend.

19.80 Wood road, bears NE. and SW.

29.00 Ridge, 115 ft. above draw, bears E. and W. Descend.

40.00 Point 10 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, on solid rock, and surrounded by a mound of stone, 1½ ft. base, ½ ft. high; for ¼ sec. cor.; mkd. on brass cap



Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

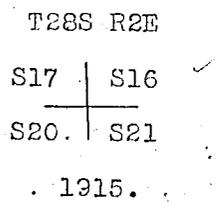
62.00 Road from Loa, Utah to Parker Lake, bears E. and W.

64.50 Cañon, 180 ft. below ¼ sec. cor., course E. Ascend.

74.00 Ridge, 130 ft. above cañon, bears N.75°W. and S.75°E. Descend.

80.00 Point 15 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1½ ft. high; for cor. of secs. 16, 17, 20, and 21, mkd. on brass cap



Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay, gravel, and rocky, from ½ ft. to 4 ft. deep; sub-soil volcanic rock.

No timber.

Undergrowth, sage and yellow brush.

Poor grass for grazing, at this time of the year.

Subdivision of T. 28 S., R. 2 E.

Chains.

- S. 89° 56'E., on a random line bet. secs. 16 and 21.
- 40.00 Set temp.  $\frac{1}{2}$  sec. cor.
- 80.01 Intersect N. and S. line, at the cor. of secs. 16, 17, 20, and 21.
- Thence I run
- N. 89° 56' W., on a true line bet. secs. 16 and 21.
- Over rolling mountainous land, through scattering short undergrowth.
- Descend.
- 5.50 Draw, 5 ft. below sec. cor., course N. 20° E. Ascend.
- 20.00 Enter scattering pinon pine timber, bears N. and S.
- 22.60 Leave timber, bears NW. and SW.
- 40.00 $\frac{1}{2}$  Ridge, 225 ft. above draw, bears N. 40° W. and S. 60° E.
- Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base  $1\frac{1}{2}$  ft. high; for.  $\frac{1}{4}$  sec. cor.; mkd. on brass cap

S16  
 $\frac{1}{4}$

S21

1915.

from which

- A pinon pine, 8 ins. in diam., bears N. 15° E., 41 lks. dist., mkd.  $\frac{1}{4}$  S16BT.
- A pinon pine, 8 ins. in diam., bears S. 9° W., 52 lks. dist., mkd.  $\frac{1}{4}$  S21BT.

- 51.20 Draw, 130 ft. below ridge, course S. 70° E. Ascend.
- 52.80 Old road, bears NW. and S. 70° E.
- 80.01 The cor. of secs. 16, 17, 20, and 21, 150 ft. above draw.

Land mountainous, rolling.

Soil, clay, gravel, and rocky, from 1 to 3 ft. deep; sub-soil, volcanic rock.

Timber pinon pine.

Undergrowth, sage and yellow brush.

Poor grass for grazing, at this time of the year.

Subdivision of T. 28 S., R. 2 E.

Chains.

August 13, 1915.

August 14, 1915: At 8 h 5 m a. m., l. m. t., I set off 38°22' on the lat. arc; 14°36' N. on the decl. arc; and determine a meridian with the solar; at the cor. of secs. 16, 17, 20, and 21.

Thence I run

N. 0°14' E., bet. secs. 16 and 17.

Over rolling mountainous land, through short scattering undergrowth.

Descend.

9.10 Old road, bears N. 70° W. and S. 70° E.

9.70 Canyon, 50 ft. below sec. cor., course S. 80° E. Ascend.

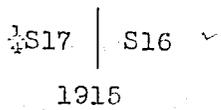
23.00 Ridge, 45 ft. above canyon, bears N. 60° W. and S. 80° E.

Descend.

29.80 Enter scattering pinon pine timber, bears SE. and SW.

40.00 Point 145 ft. below ridge,

Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1 1/2 ft. high; for 1/4 sec. cor., mkd. on brass cap



from which

A pinon pine, 6 ins. in diam., bears N. 39° 35' E., 215 lks. dist., mkd. 1/4 S16BT.

A pinon pine, 8 ins. in diam., bears S. 61° 50' W., 204 lks. dist., mkd. 1/4 S17BT.

50.50 Old road, bears N. 80° W. and S. 80° E.

52.50 Canyon, 65 ft., below 1/4 sec. cor., course S. 60° E.

61.50 Ridge, 170 ft. above canyon, bears E. and W.

73.60 Depression leading into hollow, 50 ft. below ridge, course West.

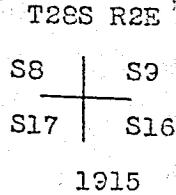
Ascend.

80.00 Point 35 ft. above depression.

Subdivision of T. 28 S., R. 2 E.

Chains.

Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1 ft. high; for cor. of secs. 8, 9, 16, and 17; mkd. on brass cap



from which

A pinon pine, 12 ins. in diam. bears S. 7° 0'E., 83 lks. dist. mkd. T28SR2ES16BT.

A pinon pine, 12 ins. in diam., bears S. 27°40'W. 170 lks. dist., mkd. T28SR2ES17BT.

A pinon pine, 16 ins. in diam., bears N.23°45'W., 174 lks. dist., mkd. T28SR2ES8BT.

No other trees within limits.

• Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay and gravel, and rocky; from 1 to 3 ft. deep.

Sub-soil, volcanic rock.

• Timber pinon pine.

Undergrowth, sage and yellow brush.

Poor grass for grazing, at this time of the year.

August 14: At this cor. I set off 14°32'N., on the decl. arc; and at 12h 5 m. 1. m. t., observe the sun on the meridian; the resulting lat. is 38°23'N.

S.82°58'E., on a random line bet. secs. 9 and 16.

40.00 Set temp. ¼ sec. cor. .

30.00 Intersect N. and S. line, 14 lks. N. of the cor. of secs. 9, 10, 15, and 16.

Thence I run

N.82° 58'W., on a true line bet. secs. 9 and 16.

Over rolling mountainous land, through scattering short undergrowth.

## Subdivision of T. 28 S., R. 2 E.

Chains. Ascend.

3.80 Ridge, 15 ft. above sec. cor., bears N. and S.

Descend.

7.80 Old road, bears NE. and SW.

13.00 Swale, 5 ft. below ridge, course N. 20°E.

Ascend..

15.00 Old road, bears NW. and SE..

35.00 Enter scattering pinon pine timber, bears N. and S.

40.00 Point 200 ft. above swale.

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, on solid rock, and surrounded by a mound of stone,  $1\frac{1}{2}$  ft. base,  $\frac{1}{2}$  ft. high; for  $\frac{1}{4}$  sec. cor.; mkd. on brass cap

S9

 $\frac{1}{4}$ 

S16

1915.

Raise a mound of stone, 2 ft. base  $1\frac{1}{2}$  ft. high, N. of cor.

55.00 East edge of broad ridge, ascent less abrupt, bears N. and S.

66.90 North edge of ledge, on broad ridge, 120 ft. above  $\frac{1}{4}$  sec. cor., bears to the South.

72.00 Leave broad ridge, bears N. and S.

Descend abruptly.

80.00 The cor. of secs. 8, 9, 16, and 17, 130 ft. below ridge.

Land mountainous, rolling.

Soil, clay, gravel, and rocky, average from 1 to 3 ft. deep; sub-soil volcanic rock.

Timber pinon pine.

Undergrowth, sage and yellow brush.

Poor grass for grazing at this time of the year.

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N.0° 20'W., bet. secs. 8 and 9.

Over rolling mountainous land, through scattering cedar and pinon pine timber, and short scattering undergrowth.

## Subdivision of T. 28.S., R. 2 E.

Chains. Ascend.

10.00 Top of steep ascent, bears N. 70°E. and S. 70°W.

11.50 Ridge, 120 ft. above sec. cor., bears N. 70°E. and S. 70°W.

Descend.

16.30 Swale, 5 ft. below ridge, course S. 80°W. Ascend.

33.70 Ridge, 100 ft. above swale, bears E. and W. Descend, 5 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, on solid rock, and surrounded by a mound of stone, 1½ ft. base ½ ft. high; for ¼ sec. cor.; mkd. on brass cap

¼ S8		S.9	✓
------	--	-----	---

1915.

from which

A cedar, 18 ins. in diam., bears S. 55°E. 78 lks. dist., mkd. ¼ S9BT.

A cedar, 24 ins. in diam., bears S. 79°40'W., 177 lks. dist., mkd. ¼ S8BT.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

47.00 Swale, 35 ft. below ¼ sec. cor., course S. 80°E.

Ascend.

54.30 Old road, bears N. 70°E. and W.

55.00 Ridge, 100 ft. above swale, bears E. and W.

Descend.

56.00 Leave timber, bears E. and W.

60.50 Draw, 10 ft. below ridge, course S. 60°E. Ascend.

74.40 Ridge, 10 ft. above draw, bears E. and W.

Descend.

80.00 Point 10 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, on solid rock, and surrounded by a mound of stone, 1½ ft. base ½ ft. high; for cor. of secs. 4, 5, 8, and 9, mkd. on brass cap

T28S R2E

S5		S4	✓
S8		S9	✓

1915.

Subdivision of T. 28 S., R. 2 E.

Chains

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay, gravel, and rocky, from 1 to 3 ft. deep; sub-soil volcanic rock.

Timber cedar and pinon pine.

Undergrowth, sage and yellow brush.

Poor grass for grazing, at this time of the year.

August 14, 1915.

August 16,; At 9h 4 m a. m., 1. m. t., I set off 38°23' on the lat. arc; 13°58'N. on the decl. arc; and determine a meridian with the solar; at the cor. of secs. 4, 5, 8, and 9.

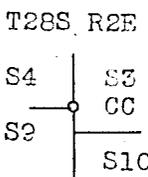
Thence I run

East, on a random line bet. secs. 4 and 9.

40.00 Set temp. 1/2 sec. cor.

80.00 Intersect N. and S. line, 1.38 chs. N. 0° 11'E., from the cor. of secs. 3 and 10, heretofore described.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for closing cor. of secs. 4 and 9; mkd. on brass cap



1915.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Thence I run

West, on a true line bet. secs 4 and 9.

Over rolling mountainous land, through scattering undergrowth.

Ascend.

24.55 Old road, bears N.E. and SW.

40.00 Point 225 ft. above s.c. cor.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in

Subdivision of T. 28 S., R. 2 E.

Chains.

the ground, for  $\frac{1}{4}$  sec. cor.; mkd. on brass cap

$S\frac{1}{4}$

S9

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of Cor.

43.40 Ridge, 390 ft. above  $\frac{1}{4}$  sec. cor., bears N. and S.  
Descend.

48.40 Depression, 20 ft. below ridge, course N. Ascend.

55.00 Enter scattering timber, bears N. and SE.

71.50 Begin less abrupt ascent, bears N. and S.

71.60 Leave timber, bears N.  $20^\circ$ W. and S.  $20^\circ$ E.

80.00 Point 400 ft. above  $\frac{1}{4}$  sec. cor.

The cor. of secs. 4, 5, 8, and 9.

Land mountainous, part rolling, but mostly steep.

Soil, clay gravel and rocky, the latter predominating;  
from 1 to 4 ft. deep. Sub-soil volcanic rock.

Timber pinon pine.

Undergrowth, sage and yellow brush.

Poor grass for grazing at this time of the year.

August 16; At this cor I set off  $13^\circ 54'$ N. on the decl.  
arc; and at 12 h 4 m 1. m. t., observe the sun on the  
meridian; the resulting lat. is  $38^\circ 24'$ N.

N.  $0^\circ 10'$ E., on a random line bet. secs. 4 and 5.

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

78.89 Intersect N. Bdy . of Tp. 18 lks. W. of the cor. of secs.  
4, 5, 32, and 33, heretofore described.

Thence I run

S.  $0^\circ 18'$ W., on a true line bet. secs. 4 and 5.

Over rolling mountainous land, through short scattering  
undergrowth,

Ascend.

8.20 Ridge , 5 ft. above sec. cor. , bears E. and W. Descend.

## Subdivision of T. 28 S., R. 2 E.

Chains.  
 17.30 Draw, 20 ft. below ridge, course N.30°W. Ascend.  
 18.80 Old road, bears N.60°W. and S. 60°E.  
 29.90 Enter scattering timber, bears N.E. and W.  
 38.89 Point 170 ft. above draw.  
 Set an iron post, 3 ft. long, 1 in. in diam., 21 ins. in  
 the ground, on solid rock, and surrounded by a mound of  
 stone, 1 ft. base,  $\frac{1}{2}$  ft. high; for  $\frac{1}{4}$  sec. cor.; mkd. on  
 brass cap  $\frac{1}{4}$  S5 | S4 ✓  
 1915

from which

A pinon pine, 18 ins. in diam., bears N. 70°15'E.

90 lks. dist., mkd.  $\frac{1}{4}$  S.4 B T.

A pinon pine, 10 ins. in diam., bears S.87 °W.

43 lks. dist., mkd.  $\frac{1}{4}$  S 5 B T.

Leave timber, bears E. and W.

39.50 Ridge, 5 ft. above  $\frac{1}{4}$  sec. cor., bears E. and W.  
 Descend.

58.90 Head of draw, 45 ft. below ridge, course E.  
 Ascend.

78.89 The cor. of secs. 4, 5, 8, and 9, 45 ft. above draw.  
 Land mountainous, rolling.

Soil, clay, gravel, and rocky; from 1 to 3 ft. deep.

Sub-soil volcanic rock.

Timber pinon pine.

Undergrowth, short sage and yellow brush.

Poor grass for grazing, at this time of the year.

August 16, 1915.

*Scott G. Stewart*  
 U.S. Surveyor.

Edward N. Thompson.

No other solar observations are taken in this township,  
 because of defective solar attachment. The meridian  
 was deflected from the S. bdy. of Tp.

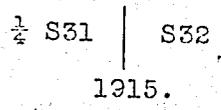
Subdivision of T. 28 S., R. 2 E.

Chains. N. 0° 15' E., bet. secs. 31 and 32, from the cor. of secs. 31 and 32, on S. Bdy. of Tp., described in the notes of said boundary. Over mountainous land, through dense undergrowth. Descend.

17.50 Wash, 20 lks. wide, 3 1/2 ft. deep, in draw, 30 ft. below sec. cor., course N.E. Ascend.

30.00 Spur, 60 ft. above draw, bears N. 80° W. and S. 80° E. Descend, 20 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., mkd. on brass cap



Raise a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor.

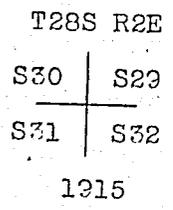
45.00 Draw, 30 ft. below spur, course S. 80° E. Ascend.

55.00 Spur, 15 ft. above draw, bears N. 80° W. and S. 80° E. Descend.

70.50 Draw, 15 ft. below spur, course S. 80° E. Ascend.

80.00 Point 45 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 29, 30, 31, and 32, mkd. on brass cap



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay and gravelly loam. Sub-soil volcanic rock.

No timber.

Undergrowth, sage and yellow, and buck brush.

Good grass for grazing.

## Subdivision of T 28 S., R. 2 E.

Chains

East, on a random line bet. secs. 29 and 32.

40.00 Set temp.  $\frac{1}{4}$  Sec. cor.

79.84 Intersect N. and S. line at the cor. of secs. 29, 30, 32 and 33.

Thence I run

West, on a true line bet, secs. 29 and 32.

Over rolling mountainous land, through dense undergrowth. Descend.

29.80 Draw, 75 ft. below sec. cor., course SE. Ascend.

39.92 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

S29

 $\frac{1}{4}$ 

S32

1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. The corner is 25 ft. above draw.

74.80 Spur, 35 ft. above draw, bears NW. and SE. Descend.

79.84 The cor. of secs. 29, 30, 31, and 32, 5 ft. below spur. Land mountainous, rolling.

Soil, clay and gravelly loam.

Sub-soil, volcanic rock.

Undergrowth, sage and yellow brush.

Good grass for grazing.

No timber.

West, on a random line bet. secs. 30 and 31.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

84.17 Intersect W. bdy. of Tp., at the cor. of secs. 25, 30, 31, and 36, described in the notes of said boundary.

Thence I run

East, on a true line bet. secs. 30 and 31.

Over rolling mountainous land, through dense sage and yellow brush.

Descend.

## Subdivision of T. 28 S., R. 2 E.

## Chains.

4.20 Draw, 10 ft. below, sec. cor., course S. Ascend.

29.20 Ridge, 55 ft. above draw, bears NW. and SE.  
Descend.

44.17 Set and iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, on cemented gravel, and surrounded by a mound of stone,  $1\frac{1}{2}$  ft. base,  $\frac{1}{2}$  ft. high; for  $\frac{1}{4}$  sec. cor.; mkd. on brass cap

S30

 $\frac{1}{4}$ 

S31

1915.

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. The corner is 55 ft. below ridge.

69.20 Draw, 115 ft. below ridge, course SE. Asc.

84.17 The cor. of secs. 29, 30, 31, and 32, 15 ft. above draw.  
Land mountainous, rolling.

Soil, clay, gravel, and rocky loam. Sub-soil volcanic rock.

No timber.

Undergrowth, sage and yellow brush.

Good grass for grazing.

August 12, 1915.

August 13, 1915.

N.  $0^{\circ}$  3' W., bet. secs. 29 and 30.

Over rolling mountainous land, through dense sage brush.  
Ascend.

14.00 Ridge, 75 ft. above sec. cor., bears NW. and SE.  
Descend.

35.80 Old road, bears NW. and SE.

38.90 Draw, 50 ft. below ridge, course S.  $60^{\circ}$  E. Ascend, 2 ft. to

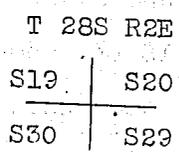
40.00 Set an iron post, 3 ft. long, 2 1/2 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

$\frac{1}{4}$ S30 | S29

1915.

Subdivision of T. 28 S., R. 2 E.

Chains. Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  
 58.60 Ridge, 90 ft. above draw, bears NW. and SE. Descend.  
 79.50 Draw, 75 ft. below ridge, course E. Ascend.  
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, mkd. on brass cap



1915

Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land mountainous, rolling.  
 Soil, clay and gravelly loam.  
 Sub-soil volcanic rock.  
 Undergrowth sage and yellow brush.  
 No timber.

East, on a random line bet. secs. 20 and 29.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.74 Intersect N. and S, line 2 lks. N. of the cor. of secs. 20, 21, 28, and 29.

Thence I run

N.  $89^{\circ}59'$  W., on a true line bet. secs. 20 and 29.

Over rolling mountainous land, through dense undergrowth; ascend, through very scattering timber.

15.90 Spur, 30 ft. above sec. cor., bears N. and S.  
 Descend.

18.00 Old road, bears NE. and SW.

21.30 Wash, 15 lks. wide, 2 ft. deep, course N.

26.00 Draw, 35 ft. below ridge, course N.  
 Ascend.

35.00 Leave scattering pinon pine timber, bears N. and S.

39.87 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in

## Subdivision of T. 28 S., R. 2 E.

- Chains.
- the ground, on solid rock, and surrounded by a mound of stone,  $1\frac{1}{2}$  ft. base,  $\frac{1}{2}$  ft. high; for  $\frac{1}{2}$  sec. cor., mtd. on brass cap
- |  |
|--|
| S20.                                       |
| $\frac{1}{2}$                              |
| <hr style="width: 50px; margin: 0 auto;"/> |
| S29  |
| 1915.                                      |
- Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor. Cor. 115 ft. above draw.
- 46.20 Knoll, 240 ft. above draw, bears N.  $10^{\circ}$  W. and S.  $10^{\circ}$  E.  
Descend.
- 49.70 Foot of steep descent, bears N. and S.
- 79.74 The cor. of secs. 19, 20, 22, and 30, 25 ft. below knoll.  
Land mountainous, rolling.  
Soil, clay, gravelly, and rocky loam. Sub-soil volcanic rock.  
Timber pinon pine.  
Undergrowth, sage and yellow brush.  
Good grass for grazing.
- 
- West, on a random line bet. secs. 19 and 30.
- 40.00 Set temp.  $\frac{1}{2}$  sec. cor.
- 84.07 Intersect W. Edy. of Tp. 3 lks. S. of the cor. of secs. 19, 24, 25, and 30, described in the notes of the said boundary.  
Thence I run  
S.  $83^{\circ}59'E.$ , on a true line bet. secs. 19 and 30.  
Over mountainous land, through scattering cedar and pinon pine timber, and scattering short undergrowth.  
Ascend abruptly.
- 9.10 Ridge, 135 ft. above sec. cor, bears NE. and SW. Descend.
- 10.70 Old wood road, bears NE. and SW.
- 21.90 Head of draw, 35 ft. below ridge, course N. Ascend.
- 29.10 Spur, 10 ft. above draw, bears N. and S. Descend.
- 32.60 Draw, 10 ft. below spur, course N. Ascend.

## Subdivision of T. 28 nS., R. 2 E.

- Chains.  
43.90 Ridge, 25 ft. above draw, bears NE. and SW. Descend.
- 44.07 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high; for  $\frac{1}{4}$  sec. cor., mkd. on brass cap
- S 19  
 $\frac{1}{4}$   
S 30  
1915.
- Raise a mound of stone, 2 ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.
- 58.30 Ledge. 30 ft. high, bearing N. 10 chs. and S. 5 chs., 50 ft. below ridge.
- Descend abruptly, and leave timber, bears same.
- 64.10 Foot of abrupt descent, bears N. and S.
- 84.07 The cor. of secs. 19, 20, 29, and 30, 165 ft. below ledge.
- Land mountainous.
- Soil, clay, gravelly, and rocky loam. Sub-soil volcanic rock.
- Timber cedar, and pinon pine.
- Undergrowth, sage and yellow brush.
- Good grass for grazing.

August 13, 1915.

August 14, 1915.

N.0° 11'E., bet. secs. 19 and 20.

Over rolling mountainous land, through dense short sage. Ascend.

- 9.20 Enter scattering timber, bears E. and W.
- Ascend abruptly, bears E. and W.
- 11.30 Ledge, 40 ft. high, bears E. and W.
- 13.80 Ridge, 145 ft. above sec. cor., bears E. and W.
- Descend abruptly.
- 32.10 Draw, 330 ft. below ridge, course S.60°E.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

Subdivision of T. 28 S., R. 2 E.

Chains.

1/4 S19 | S20

1915

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Ascend.

53.10 Ridge, 65 ft. above draw, bears E. and W. Descend.

53.75 Road from Loa, Utah, to Parker Lake, bears NW. and SE.

62.25 Begin more abrupt descent, bears E. and W.

73.00 Old wood road, bears NW. and SE., in bottom of draw, 155 ft. below ridge, course SE.

Ascend.

80.00 Point 75 ft. above draw.

Set an iron post, 3 ft. long, 2 in. in diam., 24 ins. in the ground, for cor, of secs. 17, 18, 19, and 20, mkd. on brass cap

T28S R2E

S18 | S17

S19 | S20

1915.

from which

A pinon pine, 12 ins. in diam., bears N. 4°22'E. 215 lks., dist., mkd. T28SR2ES17BT.

A pinon pine, 10 ins. in diam., bears S. 43°11'E. 37 lks. dist., mkd. T28SR2ES20BT.

A pinon pine, 10 ins. in diam., bears S. 11°35'W. 113 lks. dist., mkd. T28SR2ES19BT.

There is no tree in sec. 18, within limits.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay, gravel, and rocky loam. Sub-soil volcanic rock.

Timber, cedar and pinon pine.

Undergrowth, sage and yellow brush.

Good grass for grazing.

## Subdivision of T. 28 S., R. 2 E.

- Chains.
- S.89°59'E., on a random line, bet. secs. 17 and 20.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.85 Intersect. N. and S. line, at the cor. of secs. 16, 17, 20, and 21.
- Thence I run
- N.89°59'W., on a true line bet. secs. 17 and 20.
- Over rolling mountainous land, through scattering timber and dense undergrowth.
- Ascend.
- 25.50 Ridge, 65 ft. above sec. cor., bears S80 °E. and W.
- Descend.
- 39.91 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base. 1 ft. high; for  $\frac{1}{4}$  sec. cor; mkd. on brass cap
- |               |
|---------------|
| S 17          |
| $\frac{1}{4}$ |
| S 20          |
| 1915          |
- from which
- A pinon pine, 8 ins. in diam., bears N.10°50'E.  
91 lks. dist., mkd.  $\frac{1}{4}$ S17BT.
- A pinon pine, 6 ins. in diam., bears S. 76°W.,  
195 lks, dist., mkd.  $\frac{1}{4}$ S20BT.
- The corner is in swale, 35 ft. below ridge, course SE.
- Ascend.
- 44.60 Ridge, 20 ft. above  $\frac{1}{4}$  sec. cor., bears NW. and SE.
- Descend.
- 54.10 Draw, 70 ft. below ridge, course S. Ascend.
- 57.70 Spur, 20 ft. above draw, bears N. and S. Descend.
- 69.10 Old wood road from Loa, Utah, bears N.20°W. and S.20°E.
- 69.50 Wash, 5 lks. wide, 2 ft. deep, in draw, 30 ft. below ridge, course, S. Ascend.
- 79.83 The cor. of secs. 17,, 18, 19, and 20, 70 ft. above draw.
- Land mountainous, rolling.
- Soil, clay, gravel, and rocky loam.
- Sub-spoil, volcanic rock.

Subdivision of T. 28 S., R. 2 E.

Chains.

Timber cedar and pinon pine.

Undergrowth, dense short sage, and yellow brush.

Good grass for grazing.

August 14, 1915.

August 17:

N. 89°59'W., on a random line bet, secs. 18 and 19.

40.00 Set. temp.  $\frac{1}{4}$  sec. cor.

84.31 Intersect W. bdy. of Tp. at the cor. of secs. 13, 18, 19, and 24, described in the notes of said boundary.

Thence I run

S. 89°59'E., on a true line bet, secs. 18 and 19.

Over mountainous land through scattering timber, and dense sage and yellow brush.

Ascend.

8.90 Ledge, 20 ft. high, at top of abrupt ascent, bears NW. and SE.

10.70 Ridge, 90 ft. above sec. cor., bears N. and S. Descend.

25.20 Draw, 175 ft. below ridge, course S. Ascend.

39.30 Spur, 30 ft. above draw, bears N. and S. Descend, 20 ft. to

44.31 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., mkd. on brass cap

S 18

$\frac{1}{4}$

S 19

1915.

55.20 Swale, 75 ft. below spur, course S. Ascend.

60.10 Spur, 5 ft. above swale, bears N. 80°E. and S. 80°W.

Descend.

75.70 Old wood road from Loa, Utah, bears N. 80°E. and S. 80°W.

Also wash, 20 lks. wide, 3 ft. deep, in draw, 105 ft.

below spur, course N. 80°E.

80.70 Old wood road from Loa, Utah, bears N. and S.

81.60 Wash, 20 lks. wide, 3 ft. deep, 15 ft. below last wash,

Subdivision of T. 28 S., R. 2 E.

Chains. in same draw, course S.

Ascend.

84.31 The cor. of secs. 17, 18, 19, and 20, 50 ft. above wash.

Land mountainous, rolling.

Soil, clay, gravel, and rocky loam.

Sub-soil, volcanic rock.

Undergrowth, sage and yellow brush.

Timber, cedar and pinon pine.

Good grass for grazing.

N.0°15'E., bet. secs. 17 and 18.

Over rolling mountainous land, through scattering timber, and scattering short undergrowth.

Ascend.

5.00 Spur, 5 ft. above sec. cor., bears NW. and SE. Descend.

10.30 Draw, 10 ft. below spur, course SE. Ascend.

10.50 Old wood road, from Loa, Utah, bears NW. and SE.

18.60 Old wood road, from Loa, bears E. and W.

22.80 Top of ledge, 40 ft. high, extending E. 15. chs. and W, 10 chs.; 170 ft. above draw. Continue ascent.

24.30 Old wood road from Loa, Utah, bears E. and W.

26.30 Ridge, 215 ft. above draw, bears E. and W.

Descend abruptly.

28.80 Old wood road, from Loa, Utah, bears NW. and SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/2 sec. cor., mkd. on brass cap

1/2 S18 | S17

1915

from which

A pinon pine, 10 ins. in diam., bears N.80° 3'W.

132 lks. dist., mkd. 1/2 S18BT.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. No other trees in limits. Cor. 160 ft. below ridge.

80.00 Point 275 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in

Subdivision of T. 28 S., R. 2 E.

Chains. the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1 ft. high; for cor. of secs. 7, 8, 17 and 18, mkd. on brass cap

T28S R2E

S7	S8
S18	S17

1915.

Raise a mound of stone; 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Land mountainous, rolling.

Soil, clay, gravel, and rocky loam.

Subsoil, volcanic rock.

Timber cedar and pinon pine.

Undergrowth sage and yellow brush about 1 ft. high.

Good grass for grazing.

40.00 S.  $89^{\circ}52'E.$ , on a random line bet, secs. 8 and 17.  
Set temp.  $\frac{1}{4}$  sec. cor.  
79.75 Intersect N. and S. line 7 lks. N. of the cor. of secs. 8, 9, 16, and 17.

Thence I run

N.  $89^{\circ}56'W.$ , on a true line bet. secs. 8 and 17.

Over rolling mountainous land, through scattering timber and undergrowth;

Descend.

1.50 Draw, 35 ft. below cor., course S. Ascend, abruptly.  
6.40 Top of abrupt ascent, bears N. and S.  
9.10 Spur, 25 ft. above draw, bears N. and S. Descend.  
31.70 Old wood road from Loa, Utah, bears NW. and SE.  
33.70 Wash, 10 lks. wide, 3 ft. deep, in bottom 215 ft. below spur, course SE. Ascend, 90 ft. to  
39.87 $\frac{1}{2}$  Set an iron post, 3 ft. long, 1 ins. in diam., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. mkd. on brass cap

Chains.

S 8'

$\frac{1}{4}$   
S17

1915

from which

A pinon pine, 12 ins. in diam., bears N.49°14'W.  
46 lks. dist., mkd.  $\frac{1}{4}$ S8BT.

A pinon pine, 16 ins. in diam., bears S. 24°30'E.  
55 lks. dist., mkd.  $\frac{1}{4}$  S17BT.

47.20 Begin less abrupt ascent, bears N.20°W. and S. 20°E.

60.70 Spur, 235 ft. above draw, bears N. and S. Descend.

77.00 Draw, 50 ft. below spur, course NE. Ascend.

79.75 The cor. of secs. 7, 8, 17, and 18, 5 ft. above draw.

Land mountainous, rolling.

Soil, clay, gravel, and rocky loam.

Sub-soil volcanic rock.

Timber cedar and pinon pine.

Undergrowth, sage and yellow brush.

Good grass for grazing.

August 17, 1915.

August 19:

N.89°59'W., on a random line bet. secs. 7 and 18.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

84.64 Intersect W. bdy. of Tp. 10 lks. N. of the cor. of secs.  
7, 12, 13, and 18, described in the notes of said Edy.

Thence I run

N.89°57'E., on a true line, bet. secs. 7 and 18.

Over rolling mountainous land, through scattering pinon  
pine, cedar, and long leaf pine, and scattering under-  
growth.

Descend.

6.60 Leave scattering, and enter heavy timber, bears N. and S.

59.20 Canyon, 235 ft. below sec. cor., course N.60°E.

Chains. Ascend.

44.64 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground, on solid rock, and surrounded by a mound of stone 3 ft. base, 1½ ft. high, for ¼ sec. cor., mkd. on brass cap

S 7  
¼

S18

1915.

from which

A pinon pine, 10 ins. in diam., bears S.89°35'W.  
134 lks. dist., mkd. ¼S18BT.

No other trees within limits.

Raise a mound of stone, 3 ft. base, 1½ ft. high, N. of cor. Cor. 60 ft. above cañon.

Leave heavy, and enter scattering timber, bears N. and S.

49.40 Spur, 95 ft. above cañon, bears NE. and SW. Descend.

61.20 Wash, 5 lks. wide, 2 ft. deep, in draw, 125 ft. below ridge, course N.E.

Ascend, abruptly.

66.30 Top of abrupt ascent, bears NE and SW.

69.90 Spur, 100 ft. above draw, bears NE. and SW. Descend.

82.20 Old wood road from Loa, Utah, bears NW. and S.

84. 64 The cor. of secs. 7, 8, 17, and 18, 30 ft. below spur.

Land mountainous, rolling.

Soil, clay and gravelly loam, and rocky.

Sub-soil volcanic rock.

Timber, cedar pinon pine, and yellow pine.

Undergrowth, short sage and yellow brush.

Good grass for grazing.

August 18:

N. 0°20'W., bet. secs. 7 and 8.

Over rolling mountainous land, through scattering cedar and pinon pine timber, and scattering short undergrowth. Descend.

13.55 Wood road from Loa, Utah, bears NE. and SW.

Subdivision of T. 28 S., R. 3 E.

- 18.30 Old road, bears E. and W.
- 18.70 Wash, 10 lks. wide, 4 ft. deep, in canyon, 100 ft. below sec. cor., course N. Ascend.
- 18.30 Old wood road from Lea, Utah, bears NE. and SE.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, 1 ft. high; for  $\frac{1}{4}$  sec. cor.; mkd. on brass cap
- |                  |  |    |
|------------------|--|----|
| $\frac{1}{4}$ S7 |  | S8 |
|------------------|--|----|
- 1915.
- from which
- A pinon pine, 14 ins. in diam., bears S. 75° 40' W., 47 lks. dist., mkd.  $\frac{1}{4}$  S8 ST.
- A pinon pine, 8 ins. in diam., bears N. 87° 10' W., 186 lks. dist., mkd.  $\frac{1}{4}$  S7 ST.
- 52.20 Cor. 230 ft. above draw. Old wood road from Lea, Utah, bears NE. and SW. Leave timber, bears E. and W.
- 62.50 Same road, bears NW. and SE.
- 65.00 Ridge, 300 ft. above draw, bears E. and W. Descend.
- 80.00 Point 20 ft. below ridge. Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 5, 6, 7, and 8, mkd. on brass cap
- |    |  |    |
|----|--|----|
| S6 |  | S5 |
| S7 |  | S8 |
- 1915.
- Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.
- Land mountainous, rolling.
- Soil, clay and gravelly loam and rocky.
- Sub-soil volcanic rock.
- Undergrowth, short sage and yellow brush.
- Timber cedar and pinon pine.
- Good grass for grazing.
- 
- S. 89° 58' W., on a random line bet. secs. 5 and 6.
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 79.75 Intersect N. and S. line 5 lks. N. of the cor. of secs.

Chains. 4, 5, 8, and 9.

Hence I run

N. 89° 54' W., on a true line bet. secs. 5 and 8.

Over rolling mountainous land, through short scattering undergrowth. Ascend.

14.80 Ridge, 15 ft. above sec. cor., bears N. and S.

Enter scattering pinon pine and cedar timber, bears same. Descend.

38.80 Head of draw, 40 ft. below ridge, course SE. Ascend.

1 in. in diam.,

39.89 Set an iron post, 3 ft. long, 2 1/2 in. in the ground, on solid rock, and surrounded by a mound of stone, 1 ft. base, 6 in. high, for 1/4 sec. cor. mkd. on brass cap

S 5

1/4

S 8

1915

raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

54.80 Ridge, 65 ft. above draw, bears N. 70° E. and S. 70° W.

Descend.

79.78 The cor. of secs. 5, 6, 7, and 8, 80 ft. below ridge.

Land mountainous, rolling.

Soil, clay and gravelly loam and rocky.

Sub-soil volcanic rock.

Undergrowth sage and yellow brush.

Timber; cedar and pinon pine.

Poor grass for grazing. August 18, 1915.

August 19:

S. 89° 57' W., on a random line bet. secs. 6 and 7.

40.00 Set temp. 1/4 sec. cor.

84.05 Intersect W. bdy. of Tp. 1 link S. of the cor. of secs. 1, 6, 7, and 12, described in the notes of said boundary.

Hence I run

N. 89° 57' E., on a true line bet. secs. 6 and 7.

Over rolling mountainous land, through scattering timber and undergrowth.

Descend.

## Subdivision of T. 28 S., R. 2 E.

Chains.	
1.20	Swale, 5 ft. below sec. cor., course S. Ascend.
3.80	Old road, bears NE. and Sw.
9.00	Spur, 6 ft. above draw, bears N. and S. Descend.
32.80	Draw, 60 ft. below spur, course SW. Ascend, 19 ft. to.
44.05	Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground, on solid rock, and surrounded by a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, for $\frac{1}{4}$ sec. cor.; mkd. on brass cap
	S 6 <u>        </u> $\frac{1}{4}$ ✓
	S 7
	1915.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
46.20	Ridge, 20 ft. above draw, bears N. and S. Descend.
64.00	Leave scattering timber, bears N. and S.
67.10	Draw, 30 ft. below spur, course SW. Ascend.
71.00	Spur, 10 ft. above swale, bears NE. and SW. Descend.
74.00	Swale, 10 ft. below spur, course SW. Ascend.
74.50	Wood road, bears NW. and SE.
84.05	The cor. of secs. 5, 6, 7, and 8, 5 ft. above swale. Land mountainous, rolling. Soil, clay, gravelly, and rocky loam. Timber, cedar and pinon pine. Undergrowth, short sage and yellow brush. Good grass for grazing.
	_____
	N. $0^{\circ}17'E.$ , on a random line bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
78.62	Intersect N. Bdy. of Tp. 49 lks. E. of the cor. of secs. 5, 6, 31, and 32, heretofore described. Thence I run S. $0^{\circ}05'E.$ , on a true line bet. secs. 5 and 6. Over rolling mountainous land, through scattering timber

Subdivision of T. 28 S., R. 2 E.

Chains. pinon pine and cedar, and scattering short undergrowth.  
Descend.

3.40 Wash, 3 ft. wide 2 ft. deep, in draw, 5 ft. below sec.  
cor. course NW. Ascend, abruptly.

12.50 Top of abrupt ascent; bears E. and W.

25.60 Ridge, 85 ft. above wash, bears NE. and SW. Descend.

38.69 Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in  
the ground, on solid rock, and surrounded by a mound of  
stone, 2 ft. base, 1 1/2 ft. high; for 1/2 sec. cor.; mkd. on  
brass cap

1/4 S6 | S5 ✓

1915.

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of  
cor.

Leave scattering timber, bears E. and W.

40.00 Draw, 55 ft. below ridge, course E. Ascend.

60.00 Wood road, bears N.E. and SW.

70.00 Spur, 35 ft. above draw, bears E. and W.

Descend.

78.69 The cor. of secs. 5, 6, 7, and 8, 10 ft. below spur.

Land mountainous, rolling.

Soil, clay and gravelly loam, and rocky.

Sub-soil volcanic rock.

Timber, cedar and pinon pine.

Undergrowth, short sage and yellow brush.

Good grass for grazing.

August 12, 1915.

*Edward N. Thompson*

U.S. Transitman.

Subdivision of T. 28 S., R. 2 E.

Latitudes, departures, and closing errors.

Line designated	True bearing	Dist.	Latitudes		Departures	
			N, Chs.	S Chs.	E Chs.	W Chs.
S.Bdy.T.28 S.R.2E	West.	483.92				483.92
W.Bdy.T.28S. R.2E	North	478.70	478.70			
N. Bdy.T.28S.R.2E	S.89°45'E	5.34		.02	5.34	
N.Bdy.T.28S.R.2E	S.89°59'E	38.47		.01	38.47	
N.Bdy.T.28S.R.2E	N.89°55'E	40.03	.06		40.03	
N.Bdy.T.28S.R.2E	N.89°41'E	40.20	.22		40.20	
N.Bdy.T.28S.R.2E	S.89°34'E	40.18		.30	40.18	
N.Bdy.T.28S.R.2E	N.89°46'E	40.12	.16		40.12	
N.Bdy.T.28S.R.2E	S.89°37'E	39.62		.27	39.62	
Bet, secs.3 and 4	S.0° 11'W	80.20		80.20		.26
Bet.secs. 3 & 10	N.89°54'E	40.05	.07		40.05	
Bet.secs. 3 & 10	N.89°48'E	39.87	.14		39.87	
Bet.secs 10 & 11	S.0° 14'E	40.13		40.13	.16	
Bet.secs.10 & 11	S.0° 16'E	40.00		40.00	.19	
Bet.secs.11 & 14	N.89°52'E	40.28	.09		40.28	
Bet.secs.11 & 14	S.89°50'E	39.59		.12	39.59	
Bet. secs13 & 14	S.0° 11'W	39.85		39.85		.13
Bet.secs.13 & 14	S.0° 15'W	39.81		39.81		.17½
Bet.secs.13 & 24	S.89°42'E	40.02		.21	40.02	
Bet.secs.13 & 24	N.89°56'E	39.68	.05		39.68	
E.Bdy.T.28S.R.2E	South	39.44		39.44		
E.Bdy.T.28S.R.2E	S.0° 44'E	40.15		40.15	.51	
E.Bdy.T.28S.R.2E	S. 0°23'W	39.51½		39.51½		.27
E.Bdy.T.28S.R.2E	S. 0°25'W	40.13½		40.13½		.29
E.Bdy.T.28S.R.2E	S. 0°10'W	40.00		40.00		.12
E.Bdy,T.28S.R.2E	S. 0°26'W	39.89		39.89		.30
Convergency					.48½	
			479.49	480.05	484.79½	485.46½
				479.49		484.79½
Error in lat. and dep.				.56		.67

## Subdivision of T. 28 S., R. 2 E.

## General Description.

This township is a rolling and broken mountainous land of volcanic origin, having a general easterly drainage and an average elevation of about 7,500 feet above sea level.

The formerly surveyed area in the northeastern part of the township occupies a part of the Fremont River Valley. The town of Loa, having a population of about 500 occupies practically the whole of sec. 1. The most prominent improvements in Loa, are the School house, Store, and Tabernacle or church. Each of these buildings cost about \$20,000. The western portion of the formerly surveyed area occupies in general a low rolling hills adjacent to the valley.

The newly surveyed area, for about two miles wide adjoining the old work is a rough and broken country having large areas with little soil on the steep slopes. The remaining part in general is higher, but not so rugged, and the soil is from 1 to 4 ft. deep. The soil is clay and gravelly loam, and rocky; formed from the disintegration of the volcanic rock which underlies the entire township.

Scrub cedar and pinon pine timber covers a large part of the newly surveyed area and is quite heavy over about  $\frac{1}{2}$  of it and scattering on nearly  $\frac{1}{2}$  of it. The timber is of no particular commercial value, although it furnishes a large part of the fuel consumed at Loa. Sage and yellow brush averaging about 1 ft. high, and in general scattering, covers the greater part of the Tp.

During wet seasons grass covers a large part of the township, except when over grazed.

There is no water in the newly surveyed area, and it can only be grazed in early spring, late fall, and winter when the rain and snow furnish water for stock. However stock watering at the canals west of Loa, and at the

## General Description T. 28 S., R. 2 E.

spring in sec. 10, can graze the adjacent sections at all times of the year; and this part is therefore always over grazed.

There is a large spring of excellent water flowing about 10 cubic feet of water per second, in the NW.  $\frac{1}{4}$  of NW.  $\frac{1}{4}$  of sec. 10. The water flows through secs. 3 and 2 and is used for irrigation purposes west of Loa.

Many old roads extend from Loa, to various parts of the township( wood roads). One main road from Loa to Parker Lake crosses the tp. from NE. to SW,

There are no settlers in the Tp.

There are no indications of mineral or coal.

There are no improvements in the Tp., except a lumber shanty in sec. 24, used at sheep-shearing time by various people. Claimant, unknown. The shearing corral is very near in sec. 19, T. 28 S. R. 3 E.

*Scott C. Stewart.*

U.S. Surveyor.

*Edward M. Thompson.*

U.S. Transitman.

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FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

\_\_\_\_\_  
U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 191\_\_\_\_

The foregoing field notes of the survey of \_\_\_\_\_

executed by \_\_\_\_\_ under his special instructions dated \_\_\_\_\_, 191\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

\_\_\_\_\_  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

\_\_\_\_\_  
U. S. Surveyor General.



FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

For final oath of U.S. Surveyor and final certificate of U.S. Transit \_\_\_\_\_ can see book "J" T. 27 S., R. 1 E.

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
Salt Lake City, Utah, March 26, 1917

The foregoing field notes of the survey of retracement and resurvey of part of the Fremont Valley Guide Meridian, Township No. 25 South, between Ranges Nos. 2 and 3 East; retracement and resurvey of part of the north boundary; and retracement, resurvey, and survey of the subdivision of Township No. 26 South, Range No. 2 East of the Salt Lake Base and Meridian, Utah,

executed by their \_\_\_\_\_ Scott P. Stewart and Edward N. Thompson under my special instructions dated \_\_\_\_\_ May 4, 191\_\_\_\_, having been

critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements, resurveys, and surveys they describe, are hereby approved.

*[Signature]*  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

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BOOK A-422

J.

W.S.B

# FIELD NOTES

*Book B*

OF THE SURVEY OF THE

PREVIOUS SURVEY

O F

EAST AND NORTH BOUNDARIES

O F

TOWNSHIP NO. 27 SOUTH, RANGE NO. 1 EAST

AND

SALT LAKE MERIDIAN THROUGH TOWNSHIP 27 SOUTH,

AND

SURVEY OF THE SUBDIVISION

O F

TOWNSHIP NO. 27 SOUTH, RANGE NO. 1 EAST,

Of the SALT LAKE BASE AND Meridian,

In the State of U T A H

EXECUTED BY

SCOTT P. STEWART AND EDWARD N. THOMPSON

and U.S. Transitman  
in the capacity of U. S. Surveyor, under instructions dated May 4, 1914,

issued by the United States Surveyor General to govern surveys included in  
Group No. 27, which were approved by the Commissioner of the General Land  
Office, May 29, 1914; assignment instructions issued by the  
Assistant Supervisor of Surveys for the District of Utah, May 6, 1915.

Survey commenced August 17, 1915,

Survey completed September 8, 1915.

# INDEX DIAGRAM.

Township 27 South, Range 1 East  
 20 19 17 16 14 13

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4-879 D

INDEX DIAGRAM.

Township 27 S, Range 1 E

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664	663	648	636	625	613	
577	662	647	635	624	612	576
660	659	646	634	623	611	
579	658	645	633	622	609	574
657	656	643	632	621	608	
601	655	642	631	620	607	573
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## RESURVEY - EAST BOUNDARY T. 27 S., R. 1 E.

Chains.

Survey commenced Aug. 17, 1915, and executed with a Young & Sons light mountain transit No. 8584, with solar attachment, for description of which see book "A" of this survey.

Believing, from recent test made Aug. 8, 1915, at my camp in T. 28 S., R. 2 E., record of which is made in book "I" of this survey, that my instrument is in adjustment, I omit the test at this time.

Aug. 17, 1915: At 9h 0m a.m. l.m.t., I set off  $13^{\circ} 39' N.$  on the decl. arc;  $38^{\circ} 24' N.$  on the lat. arc; and determine a meridian with the solar at the cor. of Tp. 27 S. Rs. 1 and 2 E., established under this assignment, and described in the notes of the E. bdy. of T. 28 S., R. 1 E.

Thence

North, on retracement line bet. secs. 31 and 36,

Descending gradually, over rolling, mountainous land; through dense short undergrowth.

32.90 Old road, bears  $N. 55^{\circ} E.$ , and  $S. 30^{\circ} W.$

36.40 Bottom of draw, 145 ft. below Tp. cor., course NE.

40.25 Intersect the old  $\frac{1}{4}$  sec. cor., which is a lava stone 6 x 7 x 8 ins. above ground, marked and witnessed as described by the surveyor general. I re-establish this cor. as follows: Alongside of old cor., 5 ft. above draw,

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 36 | S 31  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

41.20 Top of ridge, 1 ft. above  $\frac{1}{4}$  sec. cor., bears  $N. 70^{\circ} E.$  and  $S. 70^{\circ} W.$  Descend.

42.85 Old road, bears  $N. 60^{\circ} W.$  and  $S. 60^{\circ} E.$

55.00 Center of swale, 10 ft. below top of ridge, drains  $S. 70^{\circ} E.$

61.00 Old road, bears  $N. 30^{\circ} W.$  and  $S. 30^{\circ} E.$

67.90 Top of ridge, 35 ft. above swale, bears  $N. 60^{\circ} W.$  and  $S. 60^{\circ} E.$  Descend.

## RESURVEY OF EAST BOUNDARY T.27 S., R.1 E.

- Chains.  
76.60 Enter scattering cedars and pinon pine timber, bearing E. and W.
- 78.00 Bottom of draw, 10 ft. below ridge, course E.
- 80.20 Old road, bears N.70° W. and N.70° E.
- 80.39 Fall 5 lks. W. of the old cor. of secs. 25, 30, 31, and 36, which is a lava stone 8 x 8 x 6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I re-establish this cor. as follows:  
Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, alongside of old cor., for cor. of secs. 25, 30, 31 and 36, with brass cap marked

T 27 S	
R 1 E	R 2 E
S 25	S 30
S 36	S 31
1915	

- Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
- A pinon pine 12 ins. dia., bears N.85° 15' E. 332 lks. dist., marked T 27 S R 2 E S 30 B T
- A pinon pine, 16 ins. dia., bears S.88° 15' E. 342 lks. dist., marked T 27 S R 2 E S 31 B T
- A pinon pine, 16 ins. dia., bears S.0° 40' W. 114 lks. dist., marked T 27 S R 1 E S 36 B T
- A cedar, 20 ins. dia., bears N.48° W. 245 lks. dist., marked T 27 S R 1 E S 25 B T
- The course of the S. half-mile is therefore north and distance 40.25 chs.; and the north half-mile N.0° 4' E. 40.14 chs. Corner 10 ft. above draw.
- Land, mountainous.
- Soil,, gravelly; average depth 1 to 6 ft., volcanic formation.
- Undergrowth, sage, yellow brush, average height 1 ft.
- Grass good for grazing.
- Timber, scattering cedar and pinon pine.
- Aug. 17, 1915: At this cor. I set off 13° 36' N. on the decl. arc; and at apparent noon observe the sun on the merid-

## RESURVEY OF EAST BOUNDARY T.27 S., R. 1 E.

Chains.      ian; the resulting lat. is  $35^{\circ} 25' N$ .

North on retracement line bet. secs. 25 and 30,  
Ascending gradually over rolling, mountainous land;  
through dense short undergrowth.

15.00 Top of ridge, 25 ft. above sec. cor., bearing E. and W.

18.00 South edge of canyon, bearing  $S. 70^{\circ} E.$ , and W.

Enter scattering cedar and pinon pine, bearing E. and W.

Descend into canyon, bearing E. and W.

24.30 Bottom of canon, 130 ft. below ridge, course  $S. 70^{\circ} E.$

25.20 North edge of canyon, bearing  $S. 70^{\circ} E$  and W.

Leave timber, bearing E. and W.

40.07 Fall 2 lks. W. of old  $\frac{1}{4}$  sec. cor., which is a lava stone  $8$   
 $x 6 x 10$  ins. above ground, firmly set and marked and  
witnessed as described by the surveyor general. I re-  
establish this cor. as follows:

Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the  
ground, with mound of stone around post, (alongside  
of old cor.), with brass cap marked

$\frac{1}{4}$  S 25 | S 30

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Natural obstacles prevent setting post over 14 ins. in  
the ground. Cor. is 195 ft. above canyon.

46.30 Old county road bears  $N. 76^{\circ} W.$  and  $S. 76^{\circ} E.$

47.20 State road, turn pike, bears  $N. 76^{\circ} W.$  and  $S. 76^{\circ} E.$

53.20 Top of ridge, 85 ft. above  $\frac{1}{4}$  sec. cor., bearing  $N. 60^{\circ} W.$   
and  $S. 60^{\circ} E.$  Descend.

72.60 Bottom of draw, 30 ft. below top of ridge, course SE.

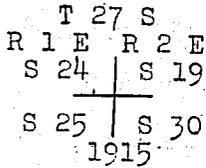
74.40 Old road, bears  $N. 25^{\circ} W.$  and  $S. 37^{\circ} E.$

80.17 Fall 17 lks. W. of old cor. of secs. 19, 24, 25, and 30, which  
is a lava stone  $5 x 6 x 8$  ins. above ground, firmly set,  
marked, and witnessed as described by the surveyor  
general. I re-establish this cor. as follows:

RESURVEY OF EAST BOUNDARY T. 27 S., R. 1 E.

Chains.

Set an iron post 3 ft. long, 3 ins. in dia., 18 ins. in the ground, alongside of old cor.; mound of stone around post, for cor. of secs. 19, 24, 25, and 30, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Natural obstacles prevent setting post over 18 ins. in the ground:

Corner is 65 ft. above draw.

The course of the south half-mile is therefore N. 0° 2' E. and dist. 40.07 chs.; and the north half-mile N. 0° 13' E., and distance 40.10 chs.

Land, mountainous.

Soil, rocky; average depth 6 ins. to 3 ft., volcanic formation.

Undergrowth, sage and yellow brush, average height 1 ft.

Grass good for grazing.

Timber, scattering pinon pine and cedar.

August 17, 1915.

Aug. 18, 1915: At 8h 0m a.m. l.m.t., I set off 13° 22' N. on the decl. arc; 38° 26' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 19, 24, 25, and 30. Thence

North on retracement line bet. secs. 19 and 24,

Ascending over rolling mountainous land; through short dense undergrowth.

14.00 Enter heavy pinon pine timber, bearing E. and W.

40.02 Fall 43 lks. E. of the old 1/4 sec. cor., which is a lava stone 12 x 6 x 8 ins. set in mound of stone, marked and witnessed as described by the surveyor general.

I re-establish this cor. as follows:

RESURVEY OF EAST BOUNDARY T.27 S., R.1 E.

Chains.

Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, with mound of stone around post, alongside of old cor., for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$ S 24	S 19
1915	

from which

A pinon pine 10 ins. in dia., bears N. 81° 30' W. 82 lks. dist., marked  $\frac{1}{4}$  S B T, and which I remark  $\frac{1}{4}$  S 24 B T

A pinon pine 10 ins. dia., bears N. 43° E. 92 lks. dist., which I mark  $\frac{1}{4}$  S 19 B T

Natural obstacles prevent setting post over 12 ins. in the ground.

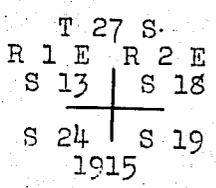
Corner on top of ridge, 465 ft. above sec. cor., bearing N. 30° W., and S. 60° E.

56.40 Old road, bears N. 10° E. and S. 10° W.

57.00 Leave timber, bearing E. and W.

80.30 Fall 24 lks. E. of the old cor. of secs. 13, 18, 19, and 24, which is a lava stone 6 x 6 x 8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I re-establish this cor. as follows:

Set an iron post 3 ft. long, 3 ins. in dia., 22 ins. in the ground, with mound of stone around post, alongside of old cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Natural obstacles prevent setting post over 22 ins. in the ground.

Corner falls in swale, 215 ft. below top of ridge, course NE.

The course of the south half-mile is therefore N. 0° 37' W.

and distance 40.02 chs.; the north half-mile N. 0° 16'

E., and distance 40.28 chs.

RESURVEY OF EAST BOUNDARY T. 27 S., R. 11 E.

Chains.

Land, mountainous.  
Soil, gravelly; average depth 6 ins. to 2 ft.; volcanic formation.

Undergrowth, sage, and yellow brush; average height 1 ft.  
Grass good for grazing.

Timber, pinon pine, cedars, and mahogany.

August 18, 1915: At this cor. I set off  $13^{\circ} 17' N.$  on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is  $38^{\circ} 27' N.$

North on retracement line bet. secs. 13 and 18,  
Descending gradually, over rolling, mountainous land;  
through dense short undergrowth.

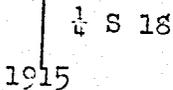
4.00 Top of ridge, 5 ft. above sec. cor., bears E. and W. Desc.

9.60 Bottom of draw, 30 ft. below ridge, course  $S. 70^{\circ} E.$  Asc.

40.25 Fall 3 lks. W. of old  $\frac{1}{4}$  sec. cor., which is a lava stone 6 x 5  
x 6 ins. above ground, firmly set, marked and witnessed  
as described by the surveyor general.

Note: The error in measurement of this line being cumulative, I establish this  $\frac{1}{4}$  sec. cor., and all corners N. of this point, for the township east only.

Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. sec. 18, alongside of old cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.

Natural obstacles prevent setting post over 12 ins. in the ground,

Cor. stands on ridge, bearing  $S. 60^{\circ} E.$  and W., 195 ft. above draw. Descend.

47.20 Head of swale, 40 ft. below  $\frac{1}{4}$  sec. cor., course SE. Ascend.

66.20 Top of ridge, bearing  $N. 60^{\circ} W.$  and  $S. 60^{\circ} E.$ , 120 ft. above swale.

RESURVEY OF EAST BOUNDARY T.27 S., R.1 E.

Chains.

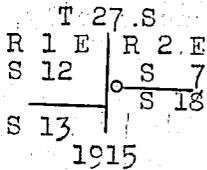
Descend.

77.60 Old road, Fish Lake to Loa, bears N.60° W. and S.60° E.

77.90 Bottom of canon, 60 ft. below ridge, course S.60° E. Asc.

80.51 Fall 4 lks. W. of old cor. of secs. 7, 12, 13, and 18, which is a lava stone 6 x 4 x 6 ins. above ground, firmly set, marked and witnessed, as described by the surveyor general.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, alongside of old cor., for cor. of secs. 7 and 18, T.27 S., R.2 E., with brass cap marked



from which

A pinon pine, 10 ins. dia., bears N.8° 20' E. 135 lks. dist., marked T 27 S R 2 E S 7 B T

No other bearing trees within limits; raise a mound of stone 2 ft. base, 1½ ft. high E. of cor.

Corner is 30 ft. above bottom of canyon.

Land, rolling, mountainous.

Soil, rocky; average depth 6 ins. to 2 ft.; volcanic formation.

Undergrowth, sage, yellow, and bitter brush; average height 1 ft.

Grass good for grazing.

No timber.

The course of the south half-mile of this line is therefore N.0° 03' E. and distance 40.25 chs.; and the north half-mile N.0° 01' E. 40.26 chs.

North on retracement line bet. secs. 7 and 12, Ascending over rolling, mountainous land; through short dense undergrowth.

21.80 Enter scattering cedar and pinon pine and mahogany, bear-

RESURVEY OF EAST BOUNDARY T.27 S., R.1 E.

Chains.

ing NE. and SW.

25.48 Government telephone line from Loa to Fish Lake bears N. 60° W. and S. 60° E.

28.60 Enter heavy cedar, pinon pine, and mahogany, bearing E. and W.

40.01 Fall 29 lks. W. of the old 1/4 sec. cor., which is a lava stone 8 x 6 x 10 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Set an iron post 3 ft. long, 1 in. in dia., 8 ins. in the ground, with mound of stone around post, alongside of old cor., for 1/4 sec. cor., sec. 7 only, with brass cap marked  
| 1/4 S 7  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high E. of cor.  
A pinon pine, 16 ins. in dia., bears S. 18° 20' E. 126 lks. dist., marked 1/4 S B T, which I re-mark 1/4 S 7 B T  
A mahogany 8 ins. in dia., bears S. 58° 50' W. 115 lks. dist., marked 1/4 S B T, which I re-mark 1/4 S 12 B T

Natural obstacles prevent setting post over 8 ins. in the ground.

August 18, 1915.

August 23, 1915: At 9h 0m a.m. l.m.t., I set off 11° 41' N. on the decl. arc; 38° 29' N. on the lat. arc; and determine a meridian with the solar at the 1/4 sec. cor. for sec. 7.

41.00 Leave heavy timber, bearing E. and W.; enter scattering timber.

46.00 Leave timber, bearing E. and W.

51.00 Top of ridge, 120 ft. above 1/4 sec. cor., bears N. 80° E. and S. 80° W. Descend.

54.00 Enter heavy aspen, pinon pine, red pine, and cedar timber, bearing SE., and W.

73.45 Bottom of draw, 270 ft. below ridge, course S. 70° E.

RESURVEY OF EAST BOUNDARY T.27 S., R.1 E.

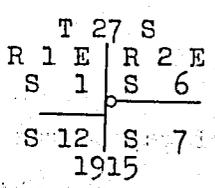
Chains.  
73.60

Leave timber, bearing E. and W.

80.43

Fall 29 lks. W. of the old cor. of secs. 1, 6, 7, and 12, which is a lava stone 8 x 6 x 10 ins. above ground, firmly set, marked and witnessed as described by the surveyor-general.

Set an iron post 3 ft. long, 3 ins. in dia., 20 ins. in the ground, with mound of stone around post, alongside of old corner, for cor. of secs. 6 and 7, T.27 S., R.2 E. with brass cap marked,



from which

A cedar, 5 ins. dia., bears S. 57° 45' E. 286 lks.

dist., marked T 27 S R 2 E S 7 B T

No other bearing trees within limits; raise a mound of stone 2 ft. base, 1 1/2 ft. high E. of cor.

Corner stands on top of steep ascent, 75 ft. above draw.

Natural obstacles prevent setting post over 20 ins. in the ground.

The course of the south half-mile of this line is therefore N. 0° 25' E. and distance 40.01 chs.; and the north half-mile north 40.42 chs.

Land, rolling, mountainous.

Soil, rocky; 3d rate; average depth 6 ins. to 2 ft.; volcanic formation.

Undergrowth, sage and yellow brush; average height 1 ft. Good grass for grazing.

Timber, aspen, cedar, pinon pine, and red pine.

Aug. 23, 1915: At this cor. I set off 11° 38' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 38° 29' N.

RESURVEY OF EAST BOUNDARY T.27 S., R.1 E.

- Chains. North on retracement line bet. secs. 1 and 6,  
Descending over rolling, mountainous land; through dense  
undergrowth.
- 5.00 Swale, on ridge, drains N.70° E., 5 ft. below top of  
steep ascent.
- 11.60 Enter scattering aspen, cedar, pinon pine, red pine, and  
mahogany, bearing E. and W.  
Ascend over rocky ledges bearing NE. and SW.
- 19.00 Top of rocky ridge, 95 ft. above swale, bearing N.30° E.  
and SW.
- 20.00 Enter heavy aspen saplings.
- 24.20 Head of swale, 5 ft. below ridge, course S.30° W.
- 40.15 Fall 76 lks. W. of the old  $\frac{1}{4}$  sec. cor., which is a trachyte  
stone 10 x 6 x 8 ins. above ground, firmly set and mkd.  
and witnessed as described by the surveyor-general.  
Set an iron post 3 ft. long, 1 in. in dia., 16 ins. in the  
ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor.  
sec. 6 only, with brass cap marked  
 $\frac{1}{4}$  S 6  
1915  
Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high E. of cor.  
Natural obstacles prevent setting post over 16 ins. in  
the ground. Corner stands alongside of old cor., and  
110 ft. above swale. Ascend.
- 41.00 Top of rocky ridge, 3 ft. above  $\frac{1}{4}$  sec. cor., bearing E. and  
W.  
Descend.
- 47.30 Head of swale, 25 ft. below ridge, course E.  
Ascend.
- 53.30 Top of ridge, 10 ft. above swale, bearing E. and W. Desc.
- 65.80 Leave timber, bearing E. and W.
- 68.70 Old road, bears S.70° W. and S.70° E.
- 72.40 Head of swale, 15 ft. below ridge, course S.70° W.
- 80.01 Fall 53 lks. W. of the old closing cor. of Tp. 27 S., Rs. 1

RESURVEY OF EAST BOUNDARY T.27 S., R.1 E.

Chains.

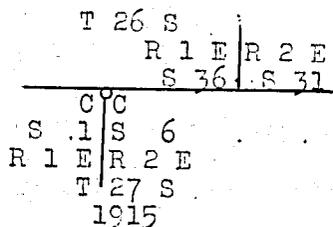
and 2 E., which is a lava stone 15 x 10 x 9 ins. on top of ground, in mound of stone, marked C C with 6 grooves on S., R 1 E and 6 grooves on W., R 2 E and 6 grooves on E. face.

I set temp. cor. at this point.

Later, at a point 2.25 chs. S. 0° 21' E. of temp. point, at

77.73

Set an iron post 3 ft. long, 3 ins. in dia., 2 1/2 ins. in the ground, for closing cor. of Tp. 27 S., Rs. 1 and 2 E., with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.

Corner stands 65 ft. above swale. Destroy temp. cor.

The course of the south half mile is therefore N. 1° 05'

E., and distance 40.16 chs.; and the north half-mile

N. 0° 21' W. 37.53 chs.

I destroy marks on stone, but leave it in place.

Land, rolling, mountainous.

Soil, rocky, volcanic formation, 3d rate; average depth

6 ins. to 2 ft.

Undergrowth, sage and yellow brush, average height 1 ft.

Timber, aspen, cedar, pinon pine, red pine, and mahogany.

Good grass for grazing.

August 23, 1915:

From the old closing cor. of Tp. 27 S., Rs. 1 and 2 E.

East on retracement line bet. secs. 6 and 31,

22.37

Fall 2.25 chs. N. of cor. of Tp. 26 S., Rs. 1 and 2 E., which

is a volcanic stone, set on large volcanic boulder, 15

x 12 x 10 ft. above ground; stone is set in mound of

## RESURVEY OF EAST BOUNDARY T.27 S., R.1 E.

Chains. stone, and is marked with 6 notches on S., E., and W. edges. I destroy the notches on the S., and  
Set an iron post 3 ft. long, 3 ins. in dia., on solid rock, with mound of stone around post, alongside of old cor., for cor. of Tp. 26 S., Rs. 1 and 2 E., with brass cap marked

T 26 S	
R 1 E	R 2 E
<hr style="width: 100%;"/>	
S 36	S 31
S 1	S 6
R 1 E	R 2 E
T 27 S	
1915	

from which

An aspen, 5 ins. dia., bears N. 38° 45' E. 144 lks. dist., marked T 26 S R 2 E S 31 B T

An aspen 5 ins. dia., bears N. 30° 35' W. 149 lks. dist., marked T 26 S R 1 E S 36 B T

An aspen post, 5 ft. long, 6 ins. dia., printed with "National Forest Boundary" at this cor.

Thence S. 89° 56' W. on S. side of sec. 36, T. 26 S., R. 1 E. Descending over rolling, mountainous land; through dense short undergrowth.

- 2.37 Head of swale, 65 ft. below township cor., course S. 30° W. Ascend.
- 2.47 Old road, bearing NE. and SW.
- 14.47 Top of ridge, 30 ft. above head of swale, bearing N. 20° W. and S. 30° E.
- 15.87 Leave scattering aspen saplings bearing N. and S. Descend.
- 22.87 The old closing cor. of Tp. 27 S., Rs. 1 and 2 E.
- 24.87 Enter aspen saplings bearing NW. and SE.
- 28.17 Head of swale, 10 ft. below closing cor., course S. 20° E.
- 32.17 Top of ridge, 75 ft. above swale, bearing N. and S. Leave aspen saplings, bearing N. and S.
- 40.63 The original  $\frac{1}{4}$  section corner, which is a volcanic stone, 24 x 10 x 12 ins., set in mound of stone, marked and witnessed as described by the surveyor general.

RESURVEY OF NORTH BOUNDARY T. 27 S., R. 1 E.

Chains.

Set an iron post 3 ft. long, 1 in. in dia., 6 ins. in the ground, on solid rock, with mound of stones around post, for  $\frac{1}{4}$  sec. cor. sec. 36 only, with brass cap mkd.

S. 36  
 $\frac{1}{4}$   
1915

Raise a mound of stone 2 ft. base, 1  $\frac{1}{2}$  ft. high N. of cor. Corner stands 65 ft. below ridge.

An aspen post 6 ins. dia., 7 ft. long, in mound of stone, marked "Forest Reserve Boundary" at this cor.

August 23, 1915.

Aug. 24, 1915: At 9h 0m a.m. l.m.t., I set off 11° 20' N. on the decl. arc; 38° 29' N. on the lat. arc; and determine a meridian with the solar at the  $\frac{1}{4}$  sec. cor. for sec. 36. Thence

West on retracement along S. side of sec. 36, distances counted from the  $\frac{1}{4}$  sec. cor.

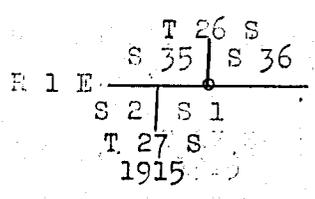
7.70 Enter heavy aspen saplings bearing N. and S.

8.70 Begin steeper descent bearing N. and S.

37.50 Leave aspens bearing N. and S.

40.85 Fall 6 lks. S. of cor. of secs. 35 and 36, which is a trachyte stone 18 x 6 x 12 ins., loosely set in mound of stone, marked with 1 notch on E., and 5 notches on W. edges.

Set an iron post 3 ft. long, 3 ins. in dia., 20 ins. in the ground, with mound of stones around post, alongside of old cor., for cor. of secs. 35 and 36, with brass cap marked



from which

An aspen 7 ins. dia., bears N. 84° E. 349 lks. dist. marked T 26 S R 1 E S 36 B T

An aspen 6 ins. dia., bears N. 46° 15' W. 278 lks. dist. marked T 26 S R 1 E S 35 B T

Corner stands 190 ft. below  $\frac{1}{4}$  sec. cor.

RESURVEY OF NORTH BOUNDARY T.27 S. R.1 E.

Chains.

Land, rolling, mountainous.  
 Soil, rocky, volcanic stone, average depth 1 to 2 ft.  
 Undergrowth, sage and yellow brush, average height 1 ft.  
 Good grass for grazing.  
 Timber heavy aspen on 30.10 chs.  
 The course of the east half-mile is therefore S.89° 56' W.  
 and distance 40.63 chs.; and the west half-mile N.39°  
 55' W. 40.85 chs.

West on retracement line along S. side sec. 35,  
 Descending over rolling, mountainous land; through dense  
 short undergrowth.

- 1.27 Government telephone line from Lea to Fish Lake, bears N.  
 9° 30' W. and S. 9° 30' E.
- 1.40 Old road, bears N. 30° E. and S. 35° W.
- 1.50 Head of swale, 5 ft. below sec. cor., course S. 10° W.  
 Ascend.
- 3.80 Enter aspen saplings bearing N. and S.
- 12.99 Top of ridge, 20 ft. above swale, bearing N. and S. Desc.
- 27.30 Leave heavy aspen timber; thence through scattering as-  
 -pen saplings.
- 27.90 Head of swale, 15 ft. below ridge, course S.  
 Ascend.
- 35.00 Top of ridge, 10 ft. above swale, bearing N. and S. Desc.
- 40.46 Fall 8 lbs. N. of the old  $\frac{1}{4}$  sec. cor., which is a volcanic  
 stone 16 x 14 x 8 ins. above ground, firmly set, mkd.  
 $\frac{1}{4}$  on N. face, not witnessed.  
 Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the  
 ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor.  
 sec. 35 only, with brass cap marked

S. 35

1915

from which

An aspen 7 ins. dia., bears N. 44° 30' E. 43 lbs. dist.

RESURVEY OF NORTH BOUNDARY T. 27 S., R.1 E.

Chains

marked  $\frac{1}{4}$  S 35 B T

An aspen 7 ins. dia., bears N. 20° 30' W. 75 lks.

dist., marked  $\frac{1}{4}$  S 35 B T

Corner set alongside of old cor., and 45 ft. below ridge.

Natural obstacles prevent setting post over 14 ins. in the ground.

Aug: 24, 1915: Heavy rain prevents further field work this day. Raining at the noon hour, observation for lat. impossible.

Aug: 25, 1915: At 5h 0m a.m. l.m.t., I set off 11° 01' N. on the decl. arc; 38° 29' N. on the lat. arc; and determine a meridian with the solar at the  $\frac{1}{4}$  sec. cor. sec. 35.

46.00 Leave timber, bearing SW., and N.

53.90 Road in head of swale, bears N. and S., 60 ft. below  $\frac{1}{4}$  sec. cor.; course of swale N. Ascend.

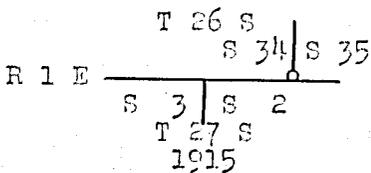
60.30 Enter scattering aspen saplings bearing NE. and S.

63.00 Leave aspen bearing N. and S.

68.20 Top of rocky ridge, 115 ft. above swale, bearing N. and S.

80.88 Fall 11 lks. S. of the old cor. of secs. 34 and 35, which is a volcanic stone 10 x 5 x 8 ins., loosely set in mound of stone, marked with 2 notches on E., and 4 notches on W. edges, not witnessed.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, alongside of old cor., for cor. of secs. 34 and 35, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.

The course of the E. half-mile is therefore S. 89° 53' W.

and distance 40.46 chs.; and of the west half-mile N.

89° 44' W. 40.42 chs.

Land, rolling, mountainous.

Soil, rocky, volcanic stone, 3d rate; average depth 6 ins.

RESURVEY OF NORTH BOUNDARY T. 27 S., R. 1 E.

Chains. to 2 ft.

Undergrowth, heavy short sage.

Good grass for grazing.

Timber, aspen and yellow pine.

West on retracement line along S side of sec. 34,  
Descending over rolling mountainous land; through short  
dense undergrowth.

- 1.70 Head of swale, 5 ft. below sec. cor., course S. 20° W. Asc.
- 11.70 Top of ridge, 20 ft. above swale, bearing N. 30° W. and S.  
Descend.
- 15.70 Begin abrupt descent, into canon, bearing S. and N. 20° W.
- 18.00 Enter aspen saplings bearing N. and S.
- 20.00 Leave aspen saplings bearing N. and S.
- 25.50 Bottom of canon, 190 ft. below ridge, course S.  
Ascend.
- 26.86 Main road to Fish Lake bearing N. 10° W. and S. 10° E.
- 35.70 Top of rocky ridge, 155 ft. above canon, bearing NW. and SE.  
Descend.
- 40.18 Fall 8 lbs. S. of old  $\frac{1}{4}$  sec. cor., which is a trachyte stone  
18 x 6 x 7 ins., loosely set in mound of stone, mkd.  $\frac{1}{4}$   
on N. face; not witnessed.  
Set an iron post 3 ft. long, 1 in. in dia., 6 ins. in the  
ground, on solid rock, with mound of stone around post,  
alongside of old cor., for  $\frac{1}{4}$  sec. cor. sec. 34 only, with  
brass cap marked  

$$\frac{S}{\frac{1}{4}}$$

S 34

---

1915
- Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.  
Corner stands 20 ft. below ridge.
- 45.30 Enter scattering aspen saplings bearing N. 60° E. and S.
- 50.00 Leave aspens bearing N. and S.
- 51.30 Head of swale, 70 ft. below  $\frac{1}{4}$  sec. cor., course S.

RESURVEY OF NORTH BOUNDARY T. 27 S., R. 1 E.

Chains. Ascend.

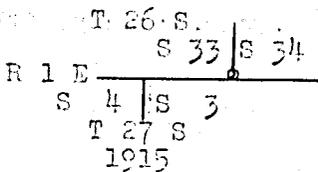
58.30 Ridge, 50 ft. above swale, bearing N. and S.. Descend.

71.10 Head of swale, 40 ft. below ridge, course S. 30° W. Asc.

78.50 Top of ridge, 20 ft. above swale, bearing N. and S.  
Descend.

80.52 Fall 8 lbs. N. of the cor. of secs. 33 and 34, which is a volcanic stone 12 x 6 x 8 ins. in ground, firmly set, mkd. with 3 notches on E. and W. edges; not witnessed.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, alongside of old cor., for cor. of secs. 33 and 34, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.  
Corner stands 3 ft. below ridge.

Land, rolling, mountainous.

Soil, rocky, volcanic stone, 3d rate; average depth 6 ins. to 2 ft.

Undergrowth, heavy sage, average height 2 ft.

Good grass for grazing.

Timber, aspen.

The course of the E. half-mile is therefore N. 39° 53' W.

and distance 40.18 chs.; and the W. half-mile S. 39° 53' W. 40.74 chs.

Aug. 25, 1915: At this cor. I set off 10° 57' N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 38° 29' N.

West on retracement line along S. side of sec. 33,  
Descending over rolling, mountainous land; through dense short undergrowth.

15.00 Head of swale, 75 ft. below sec. cor., course S.

RESURVEY OF NORTH BOUNDARY T. 27 N. R. 1 E.

Chains

Old sheep corral about 5.00 chs. N. of this point, 200 ft. long, and 100 ft. wide.

17.90 Enter aspen grove, bearing N. and S.

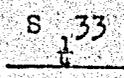
19.80 Leave aspen grove, bearing NW. and S.W.

29.90 Ridge, 60 ft. above swale, bearing N. and S. Descend.

35.00 Swale, 10 ft. below ridge, course S. 20° W.

40.32 Intersect 1/4 sec. cor., which is a volcanic stone 12 x 6 x 10 ins. above ground, firmly set, mkd. 1/4 on N. face, but not witnessed.

Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, with mound of stone around post, alongside of old cor., for 1/4 sec. cor., sec. 33 only, with brass cap mkd.



1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Natural obstacles prevent setting post over 18 ins. in the ground.

Corner is 5 ft. above swale.

48.30 Top of ridge, 10 ft. above 1/4 sec. cor., bearing NE. and S. 35° W.; main divide. Descend.

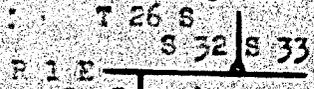
Old road on ridge bearing NE. and S. 35° W.

71.40 Head of swale, 85 ft. below ridge, course S. 20° W. Ascend.

77.60 Top of ridge, 15 ft. above swale, bearing NE. and S. 20° W. Old road, bears with ridge.

80.79 Fall 11 lrs. S. of old cor. of secs. 32 and 33, which is a volcanic stone 6 x 8 x 12 ins. above ground, firmly set marked with 4 notches on E. and 2 notches on W. edges; not witnessed.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, alongside of old cor., for cor. of secs. 32 and 33, with brass cap marked



S 5 | S 4  
T 27 S  
1915

RESURVEY OF NORTH BOUNDARY T. 27 S., R. 1 E.

Chains

Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.

Corner stands 5 ft. below ridge.

The course of the E. half-mile is therefore west and

distance 40.32 chs.; and of the W. half-mile N. 89° 51'

W. 40.47 chs.

Land, rolling, mountainous.

Soil, rocky, volcanic stone, 3d rate; average depth 6 ins. to 2 ft.

Undergrowth, heavy sage, service berry, bitter brush, and yellow brush.

Good grass for grazing.

Timber, aspen.

West on retracement line along S. side of sec. 32,

Descending over rolling, mountainous land; through dense short undergrowth.

10.15 Head of hollow, 170 ft. below sec. cor., course N. 20° W. Ascend.

17.40 Top of spur, bearing N. and S., 25 ft. above hollow. Descend.

37.76 Head of swale, 365 ft. below spur, course N. 20° E. Asc.

40.00 Fall 16 lks. N. of old ¼ sec. cor., which is a volcanic stone 6 x 4 x 6 ins. above ground, firmly set, marked ¼ on N. face, but not witnessed.

Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the ground, alongside of old cor., with mound of stone around post, for ¼ sec. cor., sec. 32 only; brass cap inkd.

S. 32  
¼

1915

Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. Natural obstacles prevent setting post over 14 ins. in the ground.

Corner 50 ft. above swale.

RESURVEY OF NORTH BOUNDARY T. 27 S., R.1 E.

Chains  
43.30

Top of ridge, 40 ft. above  $\frac{1}{4}$  sec. cor. bearing N. and S.  
Descend.

45.04

Old road, bears N. and S.  $10^{\circ}$  E.

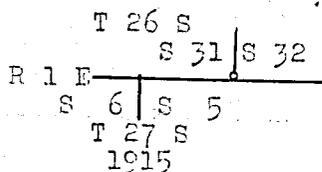
74.00

Head of draw, 335 ft. below ridge, course NW.

79.82

Fall 13 lbs. N. of old cor. of secs. 31 and 32, which is a  
trachyte stone, 8 x 4 x 6 ins. above ground, firmly set,  
marked with 5 notches on E., and 1 notch on W. edge;  
not witnessed.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the  
ground, alongside of old cor., for cor. of secs. 31 and 32  
with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
Corner is 10 ft. above draw.

The course of the E. half-mile is therefore S.  $89^{\circ} 46' W.$   
40.00 chs.; and the W. half-mile N.  $89^{\circ} 57' W.$  39.82 chs.

Land, rolling, mountainous.

Soil, rocky, volcanic stone, 3d rate; average depth 6 ins.  
to 2 ft.

Undergrowth, heavy sage and service berry.

Timber, pinon pine, cedar.

Grass good for grazing.

West on retracement line along S. side of sec. 31,  
Ascending over rolling, mountainous land; through short  
dense undergrowth.

4.20

Top of ridge, 10 ft. above sec. cor., bearing N.  $20^{\circ}$  E.  
and S. Descend.

6.25

State road, turnpike, general bearing N. and S.

9.30

Old county road, bearing N. and S.  $10^{\circ}$  E.

28.80

Bottom of draw, 110 ft. below ridge, course S. Ascend.

29.10

Old wood road, bearing N.  $20^{\circ}$  E. and S.  $20^{\circ}$  W.

RESURVEY OF NORTH BOUNDARY T. 27 S., R. 1 E.

Chains.

31.50 Enter scattering cedar and pinon pine timber, bearing N. and S.

37.20 Top of ridge, bearing N. and S., 100 ft. above draw. Descend.

39.87 Fall 15 lks. S. of old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 6 x 6 x 6 ins. above ground, firmly set, mkd.  $\frac{1}{4}$  on N. face, not witnessed.

Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, with mound of stone around post, alongside of old cor., for  $\frac{1}{4}$  sec. cor. sec. 31 only, with brass cap mkd.

S. 31

$\frac{1}{4}$

1915

from which

A cedar, 7 ins. dia., bears N. 66° E. 17 lks. dist. marked  $\frac{1}{4}$  S 31 B T

A cedar 2 4 ins. dia., bears N. 86° 45' W. 159 lks. dist., marked  $\frac{1}{4}$  S 31 B T

Also raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.

Natural obstacles prevent setting post over 18 ins. in the ground.

Corner 30 ft. below ridge.

Flag pole on school house in Koosharem bears N. 69° 03' W.

Center of prominent house in valley bears S. 54° 1' W.

August 25, 1915.

Aug. 26, 1915:

At 9h 0m a.m. l.m.t., I set off 10° 39' N. on the decl. arc; 38° 29' N. on the lat. arc, and determine a meridian with the solar at the  $\frac{1}{4}$  sec. cor. sec. 31.

42.00 Enter heavy cedar and pinon pine timber, bearing N. and S.

58.60 Head of hollow, 255 ft. below  $\frac{1}{4}$  sec. cor., course N. 60° W.

60.50 Spur, 1 ft. above hollow, bearing N. 60° W. and SE.

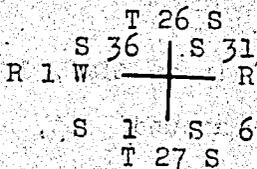
64.00 Leave heavy timber; thence through scattering timber.

76.48 Fall 17 lks. S. of old cor. of Tps. 26 and 27 S., Rs. 1 E. and

RESURVEY OF NORTH BOUNDARY T. 27 S. R. 1 E.

Chains.

1 W., which is a volcanic stone 14 x 14 x 10 ins. above ground, in stone mound, marked with 6 notches on N., S. E., and W. edges, S L M on NE. face; no other markings. Set an iron post 3 ft. long, 3 ins. dia., 24 ins. in the ground, alongside of old cor., for cor. of Tps. 26 and 27 S., Rs. 1 E., and 1 W., with brass cap marked



from which

A pinon pine, 12 ins. dia., bears N. 6° 05' E. 345 lks. dist., marked T 26 S R 1 E S 31 B T

A pinon pine, 15 ins. dia., bears S. 53° 15' E. 110 lks. dist., marked T 27 S R 1 E S 6 B T

A cedar, 14 ins. dia., bears S. 44° 0' W. 182 lks. dist., marked T 27 S R 1 W S 1 B T

A cedar, 16 ins. dia., bears N. 77° 45' W. 317 lks. dist., marked T 26 S R 1 W S 36 B T

I also raise a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.

Cor. set 205 ft. below spur.

From this cor. flag on school house in Koosharem bears N. 64° 03' W.

Center of school house in Burrville bears N. 10° 22' W.

Center of large house in valley bears S. 50° 4' W.

Land, rolling, mountainous.

Soil, rocky, volcanic stone, 3d rate; average depth 1 to 2 ft.

Undergrowth, dense sage, and scattering service berry and mahogany.

Grass good for grazing.

Timber, cedar and pinon pine.

The course of the E. half-mile is N. 89° 47' W. and distance 39.87 chs.; and the W. half-mile N. 89° 58' W. 36.61 chs.

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

August 26, 1915: From the re-established cor. of Tps. 26 and 27 S., Rs. 1 E., and 1 W.

South, on random retracement line between secs. 1 and 6, Ascending over rolling, mountainous land; through scattering cedar and pinon pine timber and dense, short, undergrowth.

7.00 Spur, 5 ft. above Tp. cor., bearing N. 70° W., and S. 70° E. Descend.

10.40 Hollow, 5 ft. below spur, course N. 60° W. Ascend.

14.70 Old drag road, on ridge, bearing N. 80° W., and S. 80° E. Ascend gradually.

32.00 Old drag road, bears E. and W.

35.60 Top of ridge, 115 ft. above hollow, bearing E. and W. Descend.

38.10 Head of hollow, 10 ft. below ridge, course S. 80° W.

Drag road, in hollow, 10 ft. below ridge, bearing NW. and SE.

Difference between measurements of 39.92 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 39.91 chs.

By 2d set 39.93 chs.; the mean of which is

39.92 Fall 37 lks. W. of old  $\frac{1}{4}$  sec. cor., which is a volcanic stone 18x14x8 ins.; loosely set, marked  $\frac{1}{4}$  on W. face. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor. sec. 1 T. 27 S. R. 1 W., alongside of old cor., with brass cap marked

$\frac{1}{4}$  S 1 |  
1915

from which

A pinon pine, 14 ins. dia., bears N. 82° W. 69 lks. dist., marked  $\frac{1}{4}$  S 1 B T

A pinon pine, 14 ins. dia., bears N. 45° W. 45 lks. dist., marked  $\frac{1}{4}$  S 1 B T

Old bearing tree N. 30° 30' E. 48 lks. dist. cut out.

Raise a mound of stone 4 ft. base, 2 ft. high W. of cor.

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains. Corner stands 5 ft. above hollow.

Aug. 26, 1915: At this cor. I set off  $10^{\circ} 37' N.$  on the decl. arc; and, at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ} 29' N.$

46.20 Top of spur, 35 ft. above  $\frac{1}{4}$  sec. cor., bearing E. and W. Descend.

49.00 Head of hollow, 10 ft. below spur, course NW. Ascend.

57.70 Old drag road, on top of ridge, bearing E. and N.  $70^{\circ} W.$  135 ft. above hollow. Descend.

64.60 Head of swale, 75 ft. below ridge, course S.  $30^{\circ} W.$  Ascend.

69.40 Ridge, 5 ft. above swale, bearing E. and W.

71.75 Junction of two roads, bearing SE. and NW., and SE., and N.  $70^{\circ} W.$  respectively.

76.60 Head of hollow, 35 ft. below ridge, course W.

Difference between measurements of 79.58 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 79.57 chs.

By 2d set  $7^{\circ} 59$  chs.; the mean of which is

79.58 Fall 10 lks. E. of old cor. of secs. 1, 6, 7, and 12, which is a volcanic stone 7 x 10 x 5 ins. above ground, firmly set, marked 1 notch on N., 5 notches on S., and 6 notches on E. and W. edges; from which

A cedar, 10 ins. dia., bears N.  $59^{\circ} 30' E.$  162 lks. dist., marked T 27 S R 1 E S 6 B T

A cedar, 8 ins. dia., bears S.  $52^{\circ} 30' E.$  130 lks. dist., marked S 7 B T

West two trees have been cut out by wood haulers.

I destroy marks on stone pertaining to T.27 S., R.1 E.

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of secs. 1 and 12 T.27 S., R.1 W., along side of old corner, with brass cap marked

T 27 S			
R 1 W		R 1 E	
S 1		S 6	
S 12		S 7	
1915			

## RESURVEY SALT LAKE MERIDIAN THROUGH T. 27 SOUTH.

Chains.

from which

A pinon pine, 10 ins. dia., bears S.  $35^{\circ} 30' W$ . 104  
lks. dist., marked T 27 S R 1 W S 12 B T ✓

A pinon pine, 10 ins. dia., bears N.  $49^{\circ} W$ . 68 lks.  
dist., marked T 27 S R 1 W S 1 B T ✓

The course of the N. half-mile is therefore S.  $0^{\circ} 32' E$ . ✓

39.92 chs.; and the S. half-mile S.  $0^{\circ} 40' W$ . 39.66 chs.

Land, rolling, mountainous.

Soil, rocky, volcanic stone, 3d rate; average depth 1  
to 3 ft.

Undergrowth, short sage.

Good grass for grazing.

Timber, cedar and pinon pine.

South on random retracement line bet. secs. 7 and 12,

Ascending over rolling, mountainous land; through scat-  
tering cedar and pinon pine, and short, dense under-  
growth.

11.50 Old wood road, bearing N.  $60^{\circ} E$ . and S.  $70^{\circ} W$ .

26.40 Top of ridge, 140 ft. above sec. cor., bearing N.  $30^{\circ} E$ .  
and S.  $30^{\circ} W$ . Descend.

August 26, 1915.

August 31, 1915: At 9h 0m a.m. l.m.t., I set off  $8^{\circ} 54' N$ .

on the decl. arc;  $38^{\circ} 23' N$  on the lat. arc; and determine  
a meridian with the solar at the 26.40 ch. point on line.

39.95 Fall 36 lks. W. of old  $\frac{1}{4}$  sec. cor., which is a trachyte  
stone 12 x 8 x 6 ins., loosely set, mkd.  $\frac{1}{4}$  on W. face,  
witnessed by two trees.

Set an iron post 3 ft. long, 1 in. in dia., 10 ins. in the  
ground, with mound of stone around post, alongside of  
old cor., for  $\frac{1}{4}$  sec. cor. sec. 12, with brass cap marked

$\frac{1}{4}$  S 12

1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

A cedar tree 3 ins. dia., bears N.3° E. 10 lks. dist., mkd. 1/4 S B T

I destroy the marks on this tree.

A cedar, 20 ins. dia., bears N.66° W. 41 lks. dist. mkd. 1/4 S B T, which I re-mark 1/4 S 12 B T

Natural obstacles prevent setting post over 10 ins. in the ground, Corner stands 30 ft. below ridge. Descend.

49.40 Canon 90 ft. below 1/4 sec. cor.; course S.55° W. Ascend.

50.00 Old wood road, bears N.55° E. and S.55° W.

53.50 Ridge, 35 ft. above canon, bearing E. and W. Descend.

64.70 Head of hollow, 55 ft. below ridge, course S.70° W. Asc.

69.10 Old wood road, bears N.80° E. and S.80° W.

72.30 Ridge, 60 ft. above hollow, bearing E. and W. Descend.

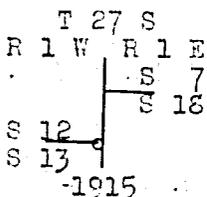
76.30 Draw, 35 ft. below ridge, course N.80° W. Ascend 40 ft. Difference between measurement of 79.86 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 79.84 chs.

By 2d set 79.88 chs.; the mean of which is

79.86 Fall 2 lks. E. of the old cor. of secs. 7, 12, 13, and 18, which is a trachyte stone 6 x 6 x 6 ins. above ground, firmly set, marked with 4 notches on S., 2 notches on N., and 6 notches on E. and W. edges.

Set an iron post 3 ft. long, 3 ins. in dia., 20 ins. in the ground, with mound of stone around post, alongside of old cor., for cor. of secs. 12 and 13 T.27 S., R.1 W., with brass cap marked



from which

A pinon pine 5 ins. dia., bears S.19° W. 20 lks. dist., marked S 13 B T, which I re-mark

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

T 27 S R 1 W S 13 B T

A pinon pine, 10 ins. dia., bears N. 89° 30' W. 104 lks. dist., which I mark T 27 S R 1 W S 12 B T

I destroy marks on stone pertaining to T.27 S.R.1 E.

The course of the north half-mile is therefore S. 0° 31' E. and distance 39.95 chs.; and the south half-mile S. 0° 33' W. 39.91 chs.

Land, rolling, mountainous.

Soil, gravelly, volcanic stone, rocky; 2d rate; average depth 6 ins. to 2 ft.

Undergrowth, sagebrush, average height 1 ft.

Good grass for grazing.

Timber, cedar and pinon pine.

South on random retracement line bet. secs. 13 and 18,

Ascending over rolling mountainous land; through heavy cedar and pinon pine timber; and short undergrowth.

5.30 Ridge, 65 ft. above sec. cor., bears E. and W. Descend.

11.50 Head of draw, 5 ft. below ridge, course W.

16.30 Leave heavy timber, bearing E. and W.

Aug. 31, 1915: At this point I set off 8° 51' N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 27' N.

Difference between measurements of 39.58 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 39.57 chs.

By 2d set 39.59 chs.; the mean of which is

39.58 Fall 15 lks. W. of old  $\frac{1}{4}$  sec. cor., which is a trachyte stone 14 x 6 x 4 ins., loosely set, mkd.  $\frac{1}{4}$  on W. face; from which

A pinon pine, 14 ins. dia., bears N. 66° 45' W. 108 lks.

dist., marked  $\frac{1}{4}$  S B T, which I re-mark  $\frac{1}{4}$  S 13 B T

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor. sec. 13

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

only; with brass cap marked

$\frac{1}{4}$  S 13 |  
 1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

A pinon pine, 16 ins. dia., bearing S.  $88^{\circ} 30'$  E. 197 lks. dist., marked  $\frac{1}{4}$  S B T which marks were afterward destroyed.

From this cor. flag pole on school house at Koosharem bears N.  $56^{\circ} 54'$  W.

Center of prominent ranch house in valley bears S.  $39^{\circ} 44'$  W. Corner is 365 ft. above draw.

I offset over  $\frac{1}{4}$  sec. cor.; thence south on retracement Road, on ridge, bearing N.  $75^{\circ}$  E. and S.  $30^{\circ}$  W. Descend.

40.20

Draw, 35 ft. below ridge, course S.  $60^{\circ}$  W. 15.00 chs.; thence S.  $30^{\circ}$  W. Ascend.

44.50

51.70

Ridge, 25 ft. above draw, bears E. and W. Descend.

55.20

Swale, 10 ft. below ridge, course N.  $80^{\circ}$  W. 10.00 chs.; thence S.  $30^{\circ}$  W. Ascend.

73.40

Ridge, 140 ft. above swale, bears E. and W.

Difference between measurement of 79.52 chs. by two sets of chainmen is 4 lks.; position of middle point

By 1st set 79.50 chs.

By 2d set 79.54 chs.; the mean of which is

79.52

Fall 23. lks. E. of the old cor. of secs. 13, 18, 19, and 24, which is a trachyte stone 12 x 8 x 6 ins., loosely set, marked 3 notches on N. and S., and 6 notches on E. and W. edges. I destroy marks pertaining to R. 1 E.

A cedar 8 ins. dia. bears N.  $85^{\circ} 15'$  E. 154 lks. dist.

marks outgrown, I re-mark tree T27S R1E S18 BT

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 13 and 24, T 27 S., R. 1 W., with brass cap marked

T 27 S  
 R 1 W | R 1 E  
 S 13 | S 18  
 ——— | ———  
 S 24 | S 19  
 1915

from which

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

A pinon pine, 10 ins. dia., bears S.86° 30' W. 117 lks. dist., marked T 27 S R 1 W S 24 B T ✓

A pinon pine, 18 ins. dia., bears N.37° W. 192 lks. dist., marked T 27 S R 1 W S 13 B T ✓

Corner is 65 ft. below ridge.

The course of the N. half-mile is therefore S. 0° 13' E.

and distance 39.58 chs.; and the S. half-mile S. 0° 20' W. 39.94 chs.

Land, rolling, mountainous.

Soil, gravelly and rocky, volcanic stone; average depth 1 to 3 ft.

Undergrowth, dense sage; average height 1 ft.

Good grass for grazing.

Timber, cedar and pinon pine.

South on random retracement line bet. secs. 19 and 24, Descending over rolling, rocky, mountainous land; through scattering cedar and pinon pine timber.

3.80 Abrupt descent over ledges into canon, bearing NW. and SE.

13.15 Bottom of canon, 330 ft. below sec. cor., course N. 50° W.

26.00 Top of abrupt ascent, bearing NW. and SE.

38.70 Ridge, 450 ft. above canon, bears E. and W.

August 31, 1915.

Sept. 1, 1915: At 8h 0m a.m. l.m.t., I set off 8° 33' N. on the decl. arc; 38° 26' 30" N. on the lat. arc; and determine a meridian with the solar at the 38.70 chs. point on line.

Difference between measurement of 39.87 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 39.86 chs.

By 2d set 39.88 chs.; the mean of which is

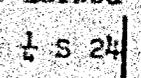
39.87 Fall 31 lks. W. of old 1/4 sec. cor., which is a trachyte

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

stone 12 x 10 x 6 ins. firmly set, marked  $\frac{1}{4}$  on W. face; not witnessed.

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, alongside of old cor., for  $\frac{1}{4}$  sec. cor. with brass cap marked



1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Corner is 3 ft. below ridge. Offset over  $\frac{1}{4}$  cor.; thence south

49.00

Leave scattering timber bearing E. and W.

50.00

Head of hollow, 35 ft. below  $\frac{1}{4}$  sec. cor., course N. 50° E.

Ascend.

60.00

Ridge, 135 ft. above hollow, bearing NE. and S. 70° W.

Descend.

70.50

Head of hollow, 60 ft. below ridge, course N. 35° E.

Difference between measurement of 78.79 chs. by two sets of chainmen is 4 lks.; position of middle point,

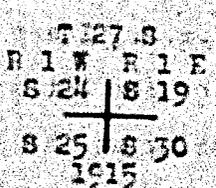
By 1st set 78.77 chs.

By 2d set 78.81 chs.; the mean of which is

78.79

Fall 14 lks. E. of old cor. of secs. 19, 24, 25, and 30, which is a volcanic stone 12 x 10 x 6 ins. above ground, firmly set, marked with 2 notches on S., 4 notches on N., and 6 notches on E. and W. edges; not witnessed.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, alongside of old cor., for cor. of secs. 19, 24, 25, and 30, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Corner is 130 ft. above hollow.

The course of the W. half-mile is therefore S. 6° 27' E. and distance 39.87 chs.; and the south half-mile S. 0° 12' W. 34.92 chs.

Land, rolling, mountainous.

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

Soil, gravelly, volcanic formation; average depth 1 to 3 ft.

Undergrowth, dense sage, and yellow brush, average height 1 ft.

Good grass for grazing.

Timber, scattering cedar and pinon pine.

South on random retracement line bet. secs. 25 and 30, Ascending, over rolling, mountainous land; through short, dense undergrowth.

18.50 Ridge, 105 ft. above sec. cor., bearing N. 80° E. and S. 80° W. Descend.

Difference between measurement of 39.81 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 39.80 chs.

By 2d set 39.82 chs.; the mean of which is

39.81 Fall 14 lks. W. of old 1/4 sec. cor., which is a volcanic stone 12 x 10 x 8 ins., loosely set, mkd. 1/4 on W. face; not witnessed.

Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the ground, with mound of stone around post, alongside of old cor., for 1/4 sec. cor., with brass cap marked

1/4 S 25 | S 30  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Natural obstacles prevent setting post over 14 ins. in the ground.

Corner 70 ft. below ridge. Continue descent.

43.30 Draw, 35 ft. below 1/4 sec. cor., course N. 50° E. Ascend.

62.80 Ridge, 170 ft. above draw, bearing E. and W. Descend.

67.70 Head of hollow, 10 ft. below ridge, course N. 35° W.

Difference between measurement of 79.74 chs. by two sets

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

of chainmen is 3 lks.; position of middle point

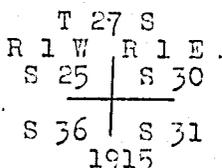
By 1st set 79.72½ chs.

By 2d set 79.75½ chs.; the mean of which is

79.74

Fall 8 lks.E.of old cor.of secs.25,30,31, and 36, which is a volcanic stone 12 x 8 x 6 ins., loosely set, mkd. 5 notches on N., 1 notch on S., and 6 notches on E. and W.edges; not witnessed.

Set an iron post 3 ft.long, 3 ins.in dia., 24 ins.in the ground, alongside of old cor., for cor.of secs.25,30, 31, and 36, with brass cap marked



Raise a mound of stone 2 ft.base, 1½ ft.high W.of cor. Cor. 90 ft.above hollow.

The course of the N.half-mile is therefore S.0° 12'E. and distance 39.81 chs.; and the S.half-mile S.0° 7'W. 39.93 chs.

Land, rolling, mountainous.

Soil, gravelly, volcanic stone; average depth 1 to 2 ft.

Undergrowth, dense sage and yellow brush; average height 1 ft.

Good grass for grazing.

Timber, none.

Sept.1, 1915: At the noon hour sky overcast; observation for lat.impossible..

South on random retracement line bet.secs.31 and 36, Ascending, over rolling mountainous land; through dense short undergrowth, 25 ft.to

12.90

Road, on main divide ridge, bearing N.40° E. and S 25°W.

35.00

Depression on ridge, 35 ft.below ridge, course E.

Difference between measurement of 40.04 chs.by two sets

RESURVEY SALT LAKE MERIDIAN THROUGH T.27 SOUTH.

Chains.

of chainmen is 1 lk.; position of middle point

By 1st set 40.03½ chs.

By 2d set 40.04½ chs.; the mean of which is

40.04

Fall 21 lks.W. of old ¼ sec. cor., which is a volcanic stone. 6 x 6 x 5 ins. above ground, loosely set, mkd. ¼ on W. face; not witnessed. I reset stone firmly in the ground, and

Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the ground, alongside of old cor., with mound of stone around post, for ¼ sec. cor., with brass cap marked

¼ S 36 | S 31  
1915

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cof.

Natural obstacles prevent setting post over 14 ins. in the ground. Corner set 5 ft. above depression.

46.00

Ridge, 5 ft. above ¼ sec. cor., bearing E. and W. Descend

58.80

Swale, 20 ft. below ridge, course E. Ascend.

64.00

Ridge, 20 ft. above swale, bearing E. and W.

77.00

Head of swale, 10 ft. below ridge, course E.

Difference bet. measurement of 80.06 chs. by two sets of chainmen is 2 lks.; position of middle point

By 1st set 80.05 chs.

By 2d set 80.07 chs.; the mean of which is

80.06

Fall 30 lks.W. of the re-established cor. of Tps. 27 and 28 S., Rs. 1 E. and 1 W., heretofore described. Corner 2 ft. above swale.

The course of the N. half-mile is therefore S.0° 18'E. and distance 40.04 chs.; the S. half-mile S.0° 08'E. 40.02 chs.

Land, rolling mountainous.

Soil, gravelly, volcanic stone, 2d rate; average depth 1 to 2 ft.

Undergrowth, dense sage, yellow, and bitter brush; average height 1 ft.

Good grass for grazing. No timber.

September 1, 1915.

TOWNSHIP 27 SOUTH, RANGE 1 EAST.

For general description of north, east, and west boundaries of this township see notes of the subdivision of same.

*Scott P. Stewart*

U.S. Surveyor.

BOUNDARIES OF T.27 S., R.1 E.

Latitudes, Departures, and Closing Errors.

Lines Designated	True Bearing	Dist. chs.	Latitudes,		Departures.		
			N. chs.	S. chs.	E. chs.	W. chs.	
East Boundary	North	40.25	40.25	.....	.....	.....	
	N. 0°04'E.	40.14	40.14	.....	.05	.....	
	N. 0°02'E.	40.07	40.07	.....	.02	.....	
	N. 0°13'E.	40.10	40.10	.....	.15	.....	
	N. 6°37'W.	40.02	40.02	.....	.....	.43	
	N. 0°16'E.	40.28	40.28	.....	.18	.....	
	N. 0°03'E.	40.25	40.25	.....	.04	.....	
	N. 0°01'E.	40.26	40.26	.....	.01	.....	
	N. 0°25'E.	40.01	40.01	.....	.29	.....	
	North	40.42	40.42	.....	.....	.....	
	N. 1°05'E.	40.16	40.15	.....	.76	.....	
	N. 0°21'W.	37.58	37.58	.....	.....	.23	
	North Boundary	S. 89°56'W.	17.76	.....	.02	.....	17.76
		N. 89°55'W.	40.85	.06	.....	.....	40.85
S. 89°53'W.		40.46	.....	.08	.....	40.46	
N. 89°44'W.		40.42	.19	.....	.....	40.42	
N. 89°53'W.		40.18	.08	.....	.....	40.18	
S. 89°53'W.		40.34	.....	.08	.....	40.34	
West		40.32	.....	.....	.....	40.32	
N. 89°51'W.		40.47	.11	.....	.....	40.47	
S. 89°46'W.		40.00	.....	.16	.....	40.00	
N. 89°57'W.		39.82	.03	.....	.....	39.82	
N. 89°47'W.		39.87	.15	.....	.....	39.87	
West Boundary	S. 89°58'W.	36.61	.02	.....	.....	36.61	
	S. 0°32'E.	39.92	.....	39.92	.37	.....	
	S. 0°40'W.	39.66	.....	39.66	.....	.46	
	S. 0°31'E.	39.95	.....	39.95	.36	.....	
	S. 0°33'W.	39.91	.....	39.91	.....	.38	
	S. 0°13'E.	39.58	.....	39.58	.15	.....	
	S. 0°20'W.	39.94	.....	39.94	.....	.23	
	S. 0°27'E.	39.87	.....	39.87	.31	.....	
	S. 0°12'W.	38.92	.....	38.92	.....	.14	
	S. 0°12'E.	39.81	.....	39.81	.14	.....	
	S. 0°07'W.	39.93	.....	39.93	.....	.08	
	S. 0°18'E.	40.04	.....	40.04	.21	.....	
	S. 0°08'E.	40.02	.....	40.02	.09	.....	
South Boundary	S. 89°45'E.	455.55	.....	1.99	455.55	.....	
Convergency						.55	
	Totals		430.17	479.88	458.68	459.60	
			479.88			458.68	
Errors in lat. and dep.			.29			.92	

SUBDIVISION T.27 S., R.1 E.

Chains.

Survey commenced Aug. 23, 1915, and executed with Young & Sons transit No. 8146, for description of which see book " " of this survey.

Note: The solar attachment of my instrument being defective, I proceed as follows:

At the cor. of secs. 35 and 36, on the S. bdy. of the township, heretofore described, I deflect an angle of 89° 50' to the north, and run parallel to the mean course of the E. bdy. of Tp.,

N. 0° 05' E. bet. secs. 35 and 36,

Ascending south slope of ridge, through dense sagebrush, Ridge, 5 ft. above sec. cor., bears E. and W.

4.00

Descend north slope of ridge.

14.99

Begin abrupt descent bearing E. and W.

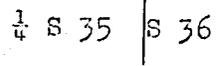
39.86

Draw, 245 ft. below ridge, course W.

Ascend S. slope of ridge.

40.00

Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. with brass cap marked.



1915.

Raise a mound of stone 2 ft. base, 1  $\frac{1}{2}$  ft. high W. of cor.

Natural obstacles prevent setting post over 18 ins. in the ground.

46.24

Ridge, 55 ft. above draw, bears NW. and SE.

Descend abruptly over north slope.

63.93

Wash, in bottom of draw, 4 ft. deep, 40 lks. wide, 140 ft. below ridge, course NE.

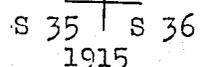
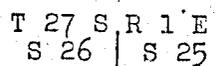
65.65

Ascend S. slope of ridge, bearing NE. and SW.

80.00

60 ft. above draw,

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, with brass cap marked



1915

SUBDIVISION T.27 S., R.1 E.

Chains.

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Land, rolling, mountainous.  
 Soil rocky clay loam south 40.00 chs.; gravelly clay  
 loam north 40.00 chs.  
 Undergrowth, sagebrush, yellow brush, and scattering  
 juniper.  
 Scattering pine and juniper on south 40.00 chs.

- 40.00 S. 89° 15' E. on a random line bet. secs. 25 and 36;  
Set temp. ¼ sec. cor.
  - 79.87 Intersect E. bdy. of Tp. 40 1/4 S. of cor. secs. 25, 30, 31, and  
36, heretofore described. Thence  
S. 89° 58' W. on true line bet. secs. 25 and 36,  
Over rolling land; through scattering juniper, and pine  
timber.
  - 1.93 Old road, bears NW. and SE.
  - 3.73 Recross road, bearing NE. and SW.
  - 9.93 Leave scattering juniper and pine timber, bearing N. and S.  
Ascend E. slope of ridge.
  - 19.91 Ridge, 55 ft. above sec. cor., bears S. 10° W. and N. 10° E.  
Descend.
  - 28.90 Recross old road bearing NW. and SE.
  - 37.37 Recross old road, bearing NE. and SW.
  - 39.935 Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the  
ground, with mound of stone around post, for ¼ sec. cor.  
with brass cap marked
- |        |
|--------|
| S 25   |
| ¼      |
| — S 36 |
| 1915   |
- Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.  
Natural obstacles prevent setting post over 14 ins. in  
the ground.
  - 41.30 Old road, bears NE. and SW.
  - 42.39 Old road bears NW. and SE.

SUBDIVISION T.27 S., R.1 E.

- Chains.
- 46.29 Foot of ridge, bearing NE. and SW.
- 49.89 Wash, in bottom of draw, 4 ft. deep. 30 lks. wide, 100 ft. below ridge, course NE.  
Ascend E. slope of ridge, through dense sagebrush.
- 79.87 The cor. of secs. 25, 26, 35, and 36, 65 ft. above draw.  
Land, rolling, mountainous.  
Soil, gravel, rock, and clay loam.  
Undergrowth, grass, sage, and yellow brush.  
Scattering juniper and pine timber along east 9.93 chs.

---

- N. 0° 05' E. bet. secs. 25 and 26,  
Ascending S. slope; through dense sagebrush.
- 2.20 Old road, bears NE. and SW.
- 10.00 Ridge, 15 ft. above sec. cor., bears E. and W.  
Descend N. slope of ridge.
- 19.34 Wash in bottom of draw 3 ft. deep, 10 lks. wide, 60 ft. below ridge, course E.
- 20.00 Ascend S. slope of ridge, bearing E. and W.
- 40.00 85 ft. above draw, on ridge bearing NW. and SE.  
Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. with brass cap marked  
 $\frac{1}{4}$  S 26 | S 25  
1915  
Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Natural obstacles prevent setting post over 12 ins. in the ground.
- 47.70 State road bears E. and W.
- 53.00 Wash, in bottom of draw, 3 ft. deep, 10 lks. wide, 25 ft. below ridge, course S. 50° E.
- 54.00 Ascend abruptly over S. slope of ridge, bearing S. 60° E. and N. 50° W.
- 69.40 Enter scattering pine timber, bearing E. and W.
- 69.53 Ridge, 155 ft. above draw, bearing NW. and SE.

SUBDIVISION T. 27 S., R. 1 E.

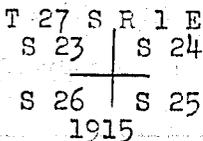
Chains.

Descend

73.13 Fish Lake Road, bears NW. and SE. ; in head of draw, 15 ft. below top of ridge; course N. 80° E.

Ascend S. slope of spur.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Corner stands 10 ft. above head of draw.

A pine tree 12 ins. dia. bears S. 69° 45' W. 60 lks. dist., marked T 27 S R 1 E S 26 B T

A pine tree 12 ins. dia., bears N. 19° 18' E. 180 lks. dist., marked T 27 S R 1 E S 24 B T

No other bearing trees within limits.

Land, rolling, mountainous.

Soil, gravel, rock, and clay loam.

Undergrowth; sage and yellow brush, and bunch grass.

Scattering pine timber on north 10.60 chs.

August 23, 1915

40.00 N. 89° 58' E. on a random line bet. secs. 24 and 25, Set temp. ¼ sec. cor.

79.94 Intersect E. bdy. of Tp. 16 lks. S. 0° 13' W. of the cor. of secs. 19, 24, 25, and 30, heretofore described.

S. 39° 51' W. on true line bet. secs. 24 and 25,

Descending over W. slope of spur; through scattering pinon pine timber.

4.56 Old road, bears NW. and SE.

5.77 Draw, 20 ft. below sec. cor., course SE.

Ascend over east slope.

16.05 Ridge, 35 ft. above draw, bears NW. and SE.

SUBDIVISION T.27 S., R.1 E.

Chains.

Descend W.slope of ridge.

30.65 Draw, course SE.; 15 ft. below ridge. Ascend.

39.96 Old road bears NW. and SE.

39.97 Set an iron post 3 ft. long, 1 in. in dia., 22 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. with brass cap marked

S. 24  
 $\frac{1}{4}$   
S. 25  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Natural obstacles prevent setting post over 22 ins. in the ground. Corner 30 ft. above draw.

41.46 Wash, 2 ft. deep, 3 lks. wide, course S. Ascend over E. slope.

46.16 Ridge bearing N. and S.; 10 ft. above wash. Descend W. slope of ridge.

54.96 Head of draw, 20 ft. below ridge, course SE. Ascend over E. slope of spur.

61.16 Spur, 15 ft. above draw, bears NW. and SE. Descend abruptly, bearing N. and S.

72.14 Foot of abrupt descent.

72.35 Wash, in bottom of draw, 2 ft. deep, 10 lks. wide, 35 ft. below spur, course S.

74.65 Old road, bears N.  $15^\circ$  W. and S.  $15^\circ$  E. Ascend over E. slope of ridge; through dense sagebrush and scattering timber,

79.94 The cor. of secs. 23, 24, 25, and 26., 30 ft. above wash. Land, rolling, mountainous. Soil, gravel, rock, and clay loam. Undergrowth, sage and yellow brush and bunch grass. Timber, scattering pinon pine.

N.  $0^\circ 05'$  E. bet. secs. 23 and 24,

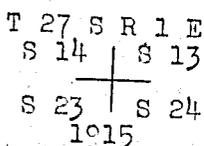
Ascending over S. slope of spur; through dense sagebrush

SUBDIVISION T.27 S., R.1 E.

Chains.	and scattering pinon pine.
3.19	Spur, 20 ft. above sec. cor., bears E. and W. Descend over N. slope.
12.99	Old road, in swale, 10 ft. below spur, bears SE. and NW. Course of swale, SE. Ascend over S. slope of spur.
17.98	Spur, 15 ft. above swale, bears NW. and SE. Descend over N. slope.
24.17	Draw, 10 ft. below spur, course SE. Ascend over S. slope of spur.
40.00	Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, with mound of stone around post, for $\frac{1}{4}$ sec. cor. with brass cap marked $\begin{array}{c} \frac{1}{4} S 23 \quad   \quad S 24 \\ 1915 \end{array}$ from which A pine tree 8 ins. in dia., bears S. $76^{\circ}04'$ W. 69 lks. dist., marked $\frac{1}{4} S 23 B T$ A pine tree 16 ins. dia., bears S. $36^{\circ}30'$ E. 453 lks. dist., marked $\frac{1}{4} S 24 B T$ August 24, 1915. August 25:
52.76	Spur, 190 ft. above draw, projects W. Descend over N. slope.
57.92	Draw, 40 ft. below spur, course SW. Ascend over S. slope of spur.
72.66	Spur, 115 ft. above draw, projects W. Descend over N. slope.
77.66	Swale, 15 ft. below spur, course W. Ascend over S. slope.
80.00	15 ft. above swale, Set an iron post 3 ft. long, 2 ins. in dia., 12 ins. in the ground, with mound of stone around post, for cor. of secs. 13, 14, 23, and 24, with brass cap marked

SUBDIVISION T.27 S., R.1 E.

Chains.



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Natural obstacles prevent setting ¼ sec. and sec. cor. posts  
 over 12 ins. in the ground.

Land, rolling, mountainous.

Soil, gravel, rock, and clay loam.

Undergrowth, sage, and yellow brush. Good grass.

Timber, scattering juniper and pinon pine.

40.00

N. 89° 51' E. on a random line bet. secs. 13 and 24,  
 Set temp. ¼ sec. cor.

79.51

Intersect E. bdy. of Tp. 23 lks. S. 0° 16' W. of the cor. of secs.  
 13, 18, 19, and 24 heretofore described. Thence  
 S. 89° 41' W. on true line bet. secs. 13 and 24,

24.23

Ascending abruptly over E. slope of ridge bearing N. and S.

24.53

Top of abrupt ascent; thence ascend gradually to

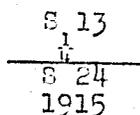
36.51

Top of ridge, 300 ft. above sec. cor.; bears NW. and SE.

39.75½

Enter scattering juniper and pinon pine timber.

Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the  
 ground, with mound of stone around post, for ¼ sec. cor.  
 with brass cap marked



from which

A pinon pine 12 ins. dia., bears S. 50° 50' E. 114 lks.  
 dist., marked ¼ S 24 B T

A cedar tree 10 ins. dia., bears N. 64° W. 130 lks.  
 dist., marked ¼ S 13 B T

Natural obstacles prevent setting post over 18 ins. in the  
 ground. Corner 40 ft. below ridge.

Descend W. slope of ridge.

58.41

Hollow, 165 ft. below ridge, course S.

SUBDIVISION T.27 S., R.1 E.

Chains.

Ascend over E. slope of spur.

63.01

Spur, 5 ft. above hollow; bears N. and S.

Descend over W. slope of ridge, through dense sagebrush and scattering juniper and pinon pine timber, to

79.51

The cor. of secs. 13, 14, 23, and 24, 110 ft. below spur.

Land, rolling, mountainous.

Soil, gravel, volcanic rock and clay loam.

Undergrowth, sage and yellow brush, and bunch grass.

Timber, scattering juniper and pinon pine.

August 25, 1915.

August 26, 1915:

N. 0° 05' E. bet. secs. 13 and 14,

Ascending over S. slope of ridge; through dense sagebrush.

11.75

Ridge, 75 ft. above sec. cor., bears NW. and SE.

Descend over N. slope.

15.75

Swale, 10 ft. below ridge, course N. 60° W.

Ascend over S. slope of spur.

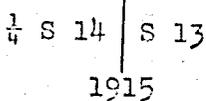
29.83

Spur, 45 ft. above swale, bears E. and W.

Descend over N. slope.

40.00

Set an iron post 3 ft. long, 1 in. in dia., 8 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Natural obstacles prevent setting post over 8 ins. in the ground.

42.37

Draw, 60 ft. below spur; course SW.

Ascend over S. slope of spur.

52.44

Spur, 95 ft. above draw, bears E. and W.

Descend over N. slope.

55.03

Draw, 15 ft. below spur, course SE.

69.73

Recross draw, 40 ft. above, course SW.

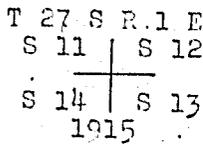
SUBDIVISION T.27 S., R.1 E.

Chains.

Ascend over S.slope of ridge.

50.00. 95 ft. above draw,

Set an iron post 3 ft. long, 2 ins. dia., 14 ins. in the ground, with mound of stone around post, for cor. of secs. 11, 12, 13, and 14, with brass cap marked



from which

A juniper tree 16 ins. dia., bears S. 51° 10' E. 55 lks. dist., marked T 27 S R 1 E S 13 B T

A juniper tree 12 ins. dia., bears S. 36° 55' E. 71 lks. dist., marked T 27 S R 1 E S 14 B T

A juniper tree, 13 ins. dia., bears N. 5° 25' W. 219 lks. dist., marked T 27 S R 1 E S 11 B T

A juniper tree 12 ins. dia., bears N. 37° 35' E. 116 lks. dist., marked T 27 S R 1 E S 12 B T

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sage, bitter, and yellow brush, and bunch grass.

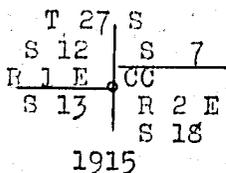
Timber, juniper and pinon pine.

N. 39° 41' E. on a random line bet. secs. 12 and 13,

40.00 Set temp. 1/4 sec. cor.

79.47 Intersect E. bdy. of Tp. 42 lks. S. 0° 01' W. of the cor. of secs. 7 and 18 T. 27 S., R. 2 E., heretofore described.

Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground, with mound of stone around post, for closing cor. of secs. 12 and 13, with brass cap marked



SUBDIVISION T.27 S., R.1 E.

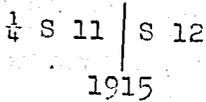
- Chains.
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Natural obstacles prevent setting post over 13 ins. in  
 the ground.
- Thence  
 S. 89° 41' W. on true line bet. secs. 12 and 13,  
 Descending over west slope of spur.
- 2.25 Draw, 20 ft. below sec. cor., course SE.
- 3.02 Old road from Loa to Fish Lake, bears NW. and SE.  
 Ascend abruptly over E. slope of ridge, bearing N. and S.
- 20.07 Top of abrupt ascent; thence ascend gradually over E.  
 slope.
- 39.47 Set an iron post 3 ft. long, 1 in. in dia., 6 ins. in the  
 ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor.  
 with brass cap marked
- $$\begin{array}{r} S\ 12 \\ \hline S\ 13 \\ 1915 \end{array}$$
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 Ridge, 206 ft. above draw, bears N. and S.  
 Descend W. slope of ridge.
- 51.40
- 64.43 Draw, 130 ft. below ridge, course S.  
 Ascend over E. slope.
- 63.01 Spur, 15 ft. above draw, bears N. and S.  
 Descend over W. slope of spur, through dense sagebrush  
 60 ft. to
- 79.47 The cor. of secs. 11, 12, 13, and 14.  
 Land, rolling, mountainous.  
 Soil, gravel, volcanic rock, and clay loam.  
 Undergrowth, sage, yellow, and bitter brush, and bunch  
 grass.  
 Timber, scattering juniper and pinon pine along line.

N. 0° 05' E. bet. secs. 11 and 12,

SUBDIVISION T.27 S., R.1 E.

Chains. Ascending over SW.slope of ridge; through dense sagebrush pinon pine, and juniper.

40.00 Set an iron post 3 ft.long, 1 in.in dia., 14 ins.in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec.cor., with brass cap marked



from which

A juniper tree 2 ft.in dia., bears N.79° 35'E. 85 lks.dist., marked  $\frac{1}{4}$  S 12 B T

A juniper tree, 12 ins.dia., bears S.76° 30'W.123 lks.dist., marked  $\frac{1}{4}$  S 11 B T

Natural obstacles prevent setting post over 14 ins.in the ground. Thence through scattering juniper and pinon.

73.03 Enter aspens bearing N.and S.

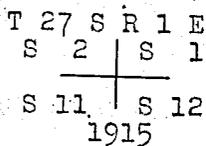
74.73 Leave aspens.

76.65 Ridge, 524 ft.above sec.cor., bears NW and SE.

Descend abruptly over N.slope.

80.00 45 ft.below ridge,

Set an iron post, 3 ft.long, 2 ins.in dia., 12 ins.in the ground, with mound of stone around post, for cor.of secs.1,2,11, and 12, with brass cap marked



Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$  ft.high W.of cor.

Natural obstacles prevent setting post over 12 ins.in the ground.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, clay loam.

Undergrowth sage and bitter brush, and bunch grass.

Timber, dense juniper and pinon pine on S.40.00 chs., scattering on N.40.00 chs.; aspen on 1.70 chs.

SUBDIVISION T.27 S., R.1 E.

Chains.

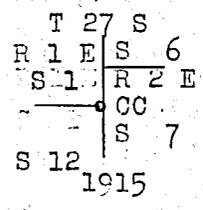
August 31, 1915:

N.89° 41'E.on a random line bet.secs.1 and 12,

40.00 Set temp. 1/4 sec. cor.

79.63 Intersect E.bdy.of Tp. 75 lks.S.of the cor.of secs.6 and 7 T.27 S., R.2 E., heretofore described.

Set an iron post 3 ft.long, 2 ins.in dia., 10 ins.in the ground, with mound of stone around post, for closing cor.of secs.1 and 12, with brass cap marked



Raise a mound of stone 2 ft.base, 1 1/2 ft.high W.of cor. Natural obstacles prevent setting post over 10 ins.in the ground.

Course S.75° E. 20 ft. down draw.

Thence

S.89° 41'W.on true line bet.secs.1 and 12

Descending,

9.52 Bottom of draw, 20 ft.below sec.cor., course S.75° E.

Enter aspens bearing N.and S.

16.74 Leave aspens, bearing N.and S.

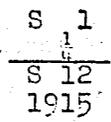
Ascend over E.slope.

21.46 Spur, 75 ft.above draw, bears N.and S.

Descend over W.slope of spur.

32.74 Draw, 5 ft.below spur, course SE. Ascend.

39.815 Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground, for 1/4 sec.cor., with brass cap marked



Raise a mound of stone 2 ft.base, 1 1/2 ft.high N.of cor.

42.55 U.S.Forest Reserve telephone line, Loa to Fish Lake, bears N.9° 30'W., and S.9° 30'E.

53.04 Old road from Loa to Fish Lake, bears NW. and SE.

SUBDIVISION T. 27 S., R. 1 E.

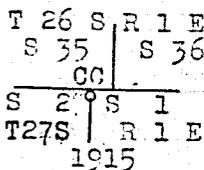
- Chains.  
57.57 Enter aspens bearing N. and S.
- 72.57 Leave aspens bearing N. and S.
- 79.63 Ascend through dense sagebrush, over E. slope of ridge, to  
The cor. of secs. 1, 2, 11, and 12, 170 ft. above draw.  
Land, rolling, mountainous.  
Soil, gravel, volcanic rock, and clay loam.  
Undergrowth, sage and yellow brush, black sage and grass.  
Timber, aspen/

---

- 18.67 N. 0° 05' E. bet. secs. 1 and 2, on true line,  
Descending over N. slope of ridge; through dense sagebrush,  
and scattering aspens.
- 40.00 Draw, 155 ft. below sec. cor., course E.  
Ascend over S. slope of spur.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 20 ins. in the  
ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor.  
with brass cap marked  
$$\begin{array}{c} \frac{1}{4} S 2 \quad | \quad S 1 \\ 1915 \end{array}$$
- 43.40 Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Natural obstacles prevent setting post over 20 ins. in  
the ground.
- 43.40 Spur, 90 ft. above draw, bears E. and W.  
Descend abruptly over N. slope.
- 62.40 Old road from Loa to Fish Lake, bears NW. and SE.
- 65.50 Draw, 100 ft. below spur, course E.  
Ascend over S. slope.
- 78.73 Intersect N. bdy. of Tp. 21.39 chs. S. 89° 53' W. of the cor. of  
secs. 35 and 36 T. 26 S., R. 1 E., heretofore described,  
15 ft. above draw.  
Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the  
ground, for closing cor. of secs. 1 and 2, with brass cap  
marked

SUBDIVISION T. 27 S., R. 1 E.

Chains.



from which

An aspen 10 ins. dia., bears S. 29° 35' W. 79 lks. dist., marked T 27 S R 1 E S 2 B T

An aspen, 6 ins. dia., bears S. 55° 26' E. 42 lks. dist., marked T 27 S R 1 E S 1 B T

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth sage and yellow brush, black sage, and bunch grass.

Timber, scattering aspens along line.

August 31, 1915.

August 27, 1915:

At the cor. of secs. 34 and 35, on the S. bdy. of the Tp. heretofore described, I deflect an angle of 89° 50' to the north, and run

N. 0° 05' E. bet. secs. 34 and 35,

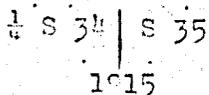
Along west slope of ridge; through dense sagebrush.

18.90 Spur, 20 ft. above sec. cor., bears E. and W.

Descend over NW. slope.

25.10 Wash, 3 ft. deep, 5 lks. wide, 70 ft. below spur, course W.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 20 ins. in the ground, with mound of stone around post, for 1/4 sec. cor. with brass cap marked



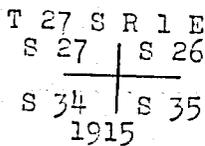
Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

44.37 Wash, main drainage, in bottom of draw, 4 ft. deep, 15 lks. wide, course E., 165 ft. below spur.

Ascend.

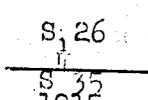
SUBDIVISION T.27 S., R.1 E.

- Chains.  
 47.77 Spur, 25 ft. above draw, bears N. 70° E. and S. 70° W.  
 Descend over N. slope.  
 48.67 Old road road, from Loa. bears E. and W.  
 54.95 Wash, in bottom of draw, 3 ft. deep, 15 lks. wide, course  
 S. 80° E., 40 ft. below spur.  
 Ascend S. slope of ridge.  
 73.67 Ridge, 120 ft. above draw, bears E. and W.  
 Descend over N. slope.  
 80.00 20 ft. below ridge,  
 Set an iron post 3 ft. long, 2 ins. in dia., 14 ins. in the  
 ground, with mound of stone around post, for cor. of secs.  
 26, 27, 34, and 35, with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.  
 Natural obstacles prevent setting post over 14 ins. in the  
 ground.  
 Land, rolling, mountainous.  
 Soil, gravel, volcanic rock, and clay loam.  
 Undergrowth, sage and yellow brush, and bunch grass.  
 No timber.

- 40.00 S. 89° 45' E. on a random line bet. secs. 26 and 35,  
 Set temp. ¼ sec. cor.  
 30.16 Intersect. N. and S. line 1 lk. S. of the cor. of secs. 25, 26,  
 35 and 36. Thence  
 N. 89° 45' W. on a true line bet. secs. 26 and 35,  
 Ascending over E. slope of ridge; through dense sagebrush.  
 2.50 Old road from Loa bears NE. and SW.  
 40.08 Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the  
 ground, with mound of stone around post, for ¼ sec. cor.  
 with brass cap marked



SUBDIVISION T.27 S., R.1 E.

Chains.	<p>Raise a mound of stone 2 ft. base, 1½ ft. high N. of cor. Natural obstacles prevent setting post over 14 ins. in the ground.</p> <p>54.30 Ridge, 100 ft. above sec. cor., bears N.15° W. and S.15° E. Descend over W. slope.</p> <p>69.19 Draw, 35 ft. below ridge, course NE. Ascend E. slope of ridge.</p> <p>72.39 Wash, 2 ft. deep, 5 lks. wide, 5 ft. above draw, course E.</p> <p>80.16 The cor. of secs. 26, 27, 34, and 35, 20 ft. above draw. Land, rolling, mountainous. Soil, gravel, volcanic rock, and clay loam. Undergrowth, sage and yellow brush, and bunch grass. No timber.</p>						
	<p>N. 0° 05' E. bet. secs. 26 and 27, Descend through dense sagebrush.</p> <p>1.70 Draw, 1 ft. below sec. cor., course E. Ascend over S. slope of spur.</p> <p>13.58 Spur, 40 ft. above draw, bears NE. and SW. Descend over N. slope.</p> <p>40.00 Set an iron post 3 ft. long, 1 in. in dia., 8 ins. in the ground, with mound of stone around post, for ¼ sec. cor. with brass cap marked</p> <div style="text-align: center;"> <table border="0"> <tr> <td>¼ S 27</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 5px;"> </td> <td>S 26</td> </tr> <tr> <td colspan="3" style="text-align: center;">1915</td> </tr> </table> </div> <p>Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Natural obstacles prevent setting post over 8 ins. in the ground.</p> <p>45.41 Wash, in bottom of draw, 3 ft. deep, 5 lks. wide, 135 ft. below spur, course NE.</p> <p>47.77 Wash in same draw, 4 ft. deep, 10 lks. wide, 135 ft. below spur, course E.</p> <p>47.80 Ascend E. slope of ridge bearing NE. and SW.</p> <p>63.86 Spur, 120 ft. above draw, bears NE. and SW.</p>	¼ S 27		S 26	1915		
¼ S 27		S 26					
1915							

SUBDIVISION T.27 S., R.1 E.

Chains.

Descend N.slope.

73.08 Swale, 10 ft.below spur, course SW. Ascend.

79.28 State road between Loa and Burrville, bears N.80° W. and S. 80° E.

80.00 25 ft.above swale,

Set an iron post 3 ft.long, 2 ins.in dia., 24 ins.in the ground, for cor.of secs.22,23,26, and 27, with brass cap marked

T 27 S R 1 E

S 22 | S 23

—+—

S 27 | S 26

1915

Raise a mound of stone 2 ft.base, 1½ ft.high W.of cor.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sage and yellow brush, and bunch grass.

No timber.

40.00 S.89° 45'E.on a random line bet.secs.23 and 26, Set temp.¼ sec.cor.

80.10 Intersect N.and S.line 1 lk.N.of the cor.of secs.23,24, 25, and 26. Thence

N.89° 45'W.on true line bet.secs.23 and 26, Ascending over E.slope; through scattering pinon pine timber,

4.11 Ridge 20 ft.above sec.cor., bears NW. and SE.

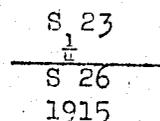
6.51 Fish Lake road, bears NW. and SE.

Descend W.slope of ridge.

25.82 Draw, 90ft.below ridge, course SE.

35.13 Leave scattering pinon pine.

40.05 Set an iron post 3 ft.long, 1 in.in dia., 10 ins.in the ground, with mound of stone around post, for ¼ sec.cor. with brass cap marked



SUBDIVISION T. 27 S., R. 1 E.

Chains.

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.  
Natural obstacles prevent setting post over 10 ins. in  
the ground.

Ascend over E. slope.

75.10 Ridge, 135 ft. above draw, bears NW. and SE.

Descend, through dense sagebrush, to

30.10 The cor. of secs. 22, 23, 26, and 27, 5 ft. below ridge.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sage and yellow brush and bunch grass.

Scattering pinon pine timber on E. 35.13 chs.

August 27, 1915.

August 28, 1915:

N. 0° 05' E. bet. secs. 22 and 23,

Ascending over S slope of ridge; through dense sagebrush.

8.79 Ridge, 30 ft. above sec. cor., bears NW. and SE.

Descend over N. slope.

26.16 Draw, 55 ft. below ridge, course SE.

Ascend over S. slope of ridge.

37.14 Ridge, 55 ft. above draw, bears NW. and SE.

Descend over NW. slope.

39.74 Swale, 5 ft. below ridge, course SE.

Ascend over SE. slope.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for 1/4 sec. cor., with brass cap marked

1/4 S 22 | S 23

1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

65.00 Top of ridge, 66 ft. above swale, bears NW. and SE.

Descend over N. slope.

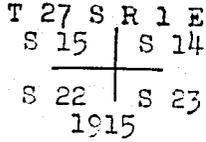
74.50 Draw, 15 ft. below ridge, course S. 75° E.

Ascend S. slope of spur.

80.00 10 ft. above draw,

SUBDIVISION T.27 S., R.1 E.

Chains. Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
Land, rolling, mountainous.  
Soil, gravel, volcanic rock, and clay loam.  
Undergrowth, sage and yellow brush and bunch grass.  
No timber.

- 40.00 S. 89° 45' E. on a random line bet. secs. 14 and 23, Set temp. 1/4 sec. cor.
  - 80.16 Intersect N. and S. line 4 lks. S. of the cor. of secs. 13, 14, 23, and 24. Thence  
N. 89° 47' W. on true line bet. secs. 14 and 23,  
Descending through scattering pinon pine and juniper timber, over W. slope of ridge.
  - 14.73 Leave timber.
  - 21.04 Draw, 135 ft. below sec. cor., course S.  
Ascend over E. slope of ridge, bearing N. and S.
  - 40.08 Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the ground, with mound of stone around post, for 1/4 sec. cor. with brass cap marked
- |      |
|------|
| S 14 |
| 1/4  |
| S 23 |
| 1915 |
- Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.  
Natural obstacles prevent setting post over 14 ins. in the ground.
  - 47.08 Fish Lake road, bears N. and S.
  - 48.08 Ridge, bearing N. and S., 150 ft. above draw.  
Descend abruptly over W. slope of ridge.
  - 71.77 Draw, 160 ft. below ridge, course SW.

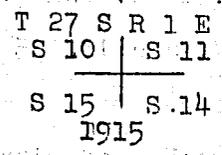
## SUBDIVISION T.27 S., R.1 E.

Chains.	Scattering juniper and pinon pine timber in bottom of draw.
75.97	Ascend abruptly over E.slope of spur, projecting SW. Top of abrupt ascent. Continue ascent over E.slope of spur; through dense sagebrush, to
80:16	The cor. of secs. 14, 15, 22, and 23, 70 ft. above draw. Land, rolling, mountainous. Soil, gravel, volcanic rock, and clay loam. Undergrowth, sagebrush, yellow brush, and bunch grass. Timber, scattering pinon pine and juniper.
10.00	N. 0° 05' E. bet. secs. 14 and 15, Ascending S. slope of spur; through dense sagebrush. Spur bearing NW. and SE., 15 ft. above sec. cor. Descend over N. slope.
18.33	Draw, 55 ft. below spur, course SE. Ascend S. slope of spur.
31.60	Spur, 70 ft. above draw, projects S. 10° E. Descend over N. slope of spur.
36.20	Draw, 10 ft. below spur, course SE. Ascend S. slope of ridge.
40.00	Set an iron post 3 ft. long, 1 in. in dia., 12 ins. in the ground, with mound of stone around post, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{c} \frac{1}{4} \text{ S } 15 \text{ }   \text{ } \text{ S } 14 \\ 1915 \end{array}$
59.98	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Ridge, 60 ft. above draw, bears N. 20° W. and S. 20° E.
64.98	Swale, 5 ft. below spur, course SE. Ascend in bottom of swale, 40 ft. to
80.00	In swale from N. 20° W., course S. Set an iron post, 3 ft. long, 2 ins. in dia., 4 ins. in the ground, with mound of stone around post, for corner of.

SUBDIVISION, T.27 S., R.1 E.

Chains.

secs. 10, 11, 14, and 15, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Natural obstacles prevent setting post over 4 ins. in the ground.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sage and yellow brush, black sage, and bunch grass.

No timber.

40.00

S. 89° 47' E. on a random line bet. secs. 11 and 14,

Set temp. 1/4 sec. cor.

80.14

Intersect N. and S. line 7 lks. S. of the cor. of secs. 11, 12, 13, and 14. Thence,

N. 89° 50' W. on a true line bet. secs. 11 and 14,

Descending over W. slope of ridge; through dense sagebrush.

4.85

Draw, 50 ft. below sec. cor., course SE.

Ascend over E. slope of ridge.

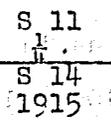
13.47

Ridge, 75 ft. above draw, bears NW. and SE.

Descend over W. slope of ridge, 120 ft. to

40.07

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.

44.71

Enter scattering juniper and pinon pine timber, bearing N. and S.

54.30

Ravine, 170 ft. below ridge, course SE. Ascend E. slope.

55.86

Leave scattering timber, bearing N. and S.

64.14

Ridge, 65 ft. above ravine, bears NW. and SE.

Descend over E. slope of ridge.

SUBDIVISION T.27 S., R.1 E.

Chains.  
65.44

Fish Lake road, bears N.40° W. and S.40° E.

80.14

The cor. of secs. 10, 11, 14, and 15, 35 ft. below ridge.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sage and yellow brush, bunch grass, and black sage.

Timber, scattering juniper and pinon pine.

August 28, 1915.

August 30, 1915:

N.0° 05'E. bet. secs. 10 and 11,

Ascending over S. slope of ridge; through dense sagebrush.

33.65

Fish Lake road, bears N.20° W. and S.20° E.

Ridge, 170 ft. above sec. cor., bears NE. and SW.

Descend over N. slope, 20 ft. to

40.00

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 10 | S 11  
1915

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

55.00

Swale, 30 ft. below ridge, course E.

Ascend over S. slope of spur.

65.00

Spur, 25 ft. above swale, bears NE. and SW.

Descend N. slope of spur.

80.00

50 ft. below spur,

Set an iron post 3 ft. long, 2 ins. in dia., 12 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, mound of stone around post, with brass cap marked

T 27 S R 1 E  
S 3 | S 2  
S 10 | S 11  
1915

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

SUBDIVISION T.27 S., R.1 E.

Chains.

Undergrowth, sagebrush, bunch grass, and buck brush.  
Timber, scattering aspen.

- 40.00 S. 89° 50' E. on a random line bet. secs. 2 and 11,  
Set temp.  $\frac{1}{4}$  sec. cor.
- 80.10 Intersect N. and S. line 6 lks. N. of the cor. of secs. 1, 2,  
11, and 12. Thence  
N. 89° 47' W. on a true line bet. secs. 2 and 11,  
Ascending over E. slope of ridge.
- 3.18 Ridge, 35 ft. above sec. cor., bears NW. and SE.  
Descend over W. slope of ridge.
- 31.82 Head of draw, 215 ft. below ridge, course SE. Ascend.
- 40.05 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
$$\begin{array}{r} S \ 2 \\ \frac{1}{4} \\ \hline S \ 11 \\ 1915 \end{array}$$
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
Ascend E. slope. Corner 30 ft. above draw.
- 46.56 Ridge, 70 ft. above draw, bears NW. and SE. Descend.
- 50.10 Enter scattering aspen timber, bearing N. and S.
- 53.77 Swale, 30 ft. below ridge, course S.  
Ascend over E. slope.
- 57.56 Ridge, bears N. and S., 15 ft. above swale.  
Descend W. slope of ridge.
- 79.61 Ravine 250 ft. below ridge, course SE.  
Ascend.
- 80.10 The cor. of secs. 2, 3, 10, and 11, 5 ft. above ravine.  
Land, rolling, mountainous.  
Soil, gravel, volcanic rock, and clay loam.  
Undergrowth, sagebrush and bunch grass.  
Timber, scattering aspens.

N. 0° 05' E. bet. secs. 2 and 3,

-55-

SUBDIVISION T. 27 S., R. 1 E.

- Chain. Descending over N. slope; through dense sagebrush and scattering juniper.
- 1.10 Ravine, 5 ft. below sec. cor., course S. 20° E.  
Ascend S. slope of ridge.
- 10.14 Enter aspen, bearing E. and W.
- 13.34 Leave aspen, bearing E. and W.
- 24.42 Ridge, 190 ft. above ravine, bears NW. and SE.  
Descend over N. slope.
- 29.71 Draw, 75 ft. below ridge, course N. 80° W.  
Ascend S. slope of spur.
- 36.92 Spur, 30 ft. above draw, projects W.  
Descend over N. slope, 5 ft. to
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 16 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. with brass cap marked

$\frac{1}{4}$  S 3 | S 2  
 1915

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.  
Solid rock prevents setting post over 16 ins. deep.

- 62.05 Draw, 85 ft. below spur, course W. Ascend S. slope of spur.
- 65.97 Enter aspens bearing E. and W.
- 68.40 Spur, 65 ft. above draw, bears E. and W.  
Descend over N. slope.
- 68.81 Leave aspens bearing E. and W.
- 74.41 Draw, 5 ft. below spur, course W.  
Ascend over S. slope of ridge.
- 75.60 Intersect N. bdy. of Tp. 20. 62 chs. N. 89° 53' W. of cor. of secs. 34 and 35, heretofore described.  
Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for closing cor. of secs. 2 and 3, with brass cap marked

T 26 S R 1 E  
 S 34 | S 35  
 CC  
 S 3 | S 2  
 T 27 S R 1 E  
 1915

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high S. of cor.

SUBDIVISION T.27 S., R.1 E.

Chains.

Land, rolling, mountainous.  
Soil, gravel, volcanic rock, and clay loam.  
Undergrowth, sagebrush and bunch grass.  
Timber, aspens and scattering juniper.

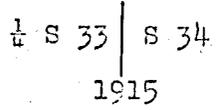
August 30, 1915.

Aug. 27, 1915: At 8h 0m a.m. l.m.t., I set off 10° 19½' N. on the decl. arc; 38° 24' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 33 and 34 on the S. bdy. of the Tp., heretofore described. Thence

N. 0° 04' E. bet. secs. 33 and 34,

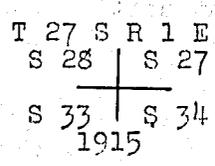
Descending over rolling mountainous land; through short, dense undergrowth.

- 2.00 Draw, 5 ft. below sec. cor., course N. 25° E. Ascend.
- 15.00 Ridge, 35 ft. above draw, bearing N. 60° E. and S. 60° W. Descend.
- 18.90 Hollow, 15 ft. below ridge, course E. Ascend.
- 38.60 Ridge, 100 ft. above hollow, bearing N. 80° E. and SW. Desc.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., marked on brass cap



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Corner 5 ft. below ridge.

- 53.90 Hollow, 85 ft. below ¼ sec. cor., course N. 80° E. Ascend.
- 70.30 Ridge, 95 ft. above hollow, bearing E. and W. Descend.
- 76.90 Hollow, 40 ft. below ridge, course S. 30° E.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 9 ins. in the ground, with mound of stone around post, for cor. of secs 27, 28, 33, and 34, with brass cap marked



SUBDIVISION T.27 S., R.1 E.

Chains.

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
Natural obstacles prevent setting post over 9 ins. in  
the ground.

Corner is 20 ft. below ridge.

Land, rolling, mountainous.

Soil, gravelly, 2d rate; average depth 1 to 3 ft., vol-  
canic stone.

Undergrowth, sage and yellow brush, average height 1 ft.

Good grass for grazing.

No timber.

40.00

S. 59° 45' E. on a random line bet. secs. 27 and 34,

Set temp. 1/4 sec. cor.

80.03

Intersect N. and S. line 3 lks. S. of the cor. of secs. 26, 27,  
34, and 35. Thence

N. 59° 46' W. on true line bet. secs. 27 and 34,

Ascending over rolling, mountainous land; through dense  
undergrowth.

11.93

Ridge, bearing N. and S., 50 ft. above sec. cor.

Descend.

27.63

Swale, 50 ft. below ridge, course S. 20° W.

Ascend.

38.43

Ridge, 40 ft. above swale, bearing N. and S.

Descend.

40.01 1/2

Set an iron post 3 ft. long, 1 in. in dia., 6 ins. in the  
ground, with mound of stone around post, for 1/4 sec. cor.  
with brass cap marked

S 27  
1/4  
S 34  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.

Natural obstacles prevent setting post over 6 ins. in the  
ground.

Corner is 50 ft. below ridge.

SUBDIVISION T. 27 S., R. 1 E.

- Chains.  
47.23 Swale. course S.; 40 ft. below  $\frac{1}{4}$  sec. cor.  
Ascend.
- 70.93 Ridge, 50 ft. above swale, bearing N. and S.  
Descend.
- 80.03 The cor. of secs. 27, 28, 33, and 34, 5 ft. below ridge.  
Land. rolling, mountainous.  
Soil, rocky, 3d rate; average depth 6 ins. to 2 ft., volcanic stone.  
Undergrowth, dense sage, yellow brush, average height 1 ft.  
Good grass for grazing.  
No timber.  
Aug. 27, 1915: At this cor. I set off  $10^{\circ} 16' N.$  on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is  $38^{\circ} 25' N.$
- 
- N.  $0^{\circ} 04' E.$  bet. secs. 27 and 28,  
Ascending over rolling mountainous land; through short, dense undergrowth.
- 15.00 Ridge, bearing E. and W., 45 ft. above sec. cor.  
Descend.
- 25.00 Swale, 15 ft. below ridge, course S.  $70^{\circ} E.$   
Ascend.
- 33.00 Ridge, 15 ft. above swale, bearing E. and W. Descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 22 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. with brass cap marked  
 $\frac{1}{4} S 28 | S 27$   
 1915  
 Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
 Natural obstacles prevent setting post over 22 ins. in the ground.  
 Corner is 10 ft. below ridge.
- 53.70 Hollow, 60 ft. below  $\frac{1}{4}$  sec. cor., course S.  $80^{\circ} E.$

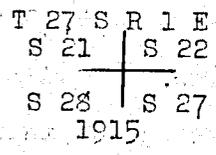
SUBDIVISION T.27 S., R.1 E.

Chains.

Ascend.

30.00

Set an iron post 3 ft. long, 2 ins. in dia., 20 ins. in the ground, with mound of stone around post, for cor. of secs. 21, 22, 27, and 28, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Natural obstacles prevent setting post over 20 ins. in the ground.

Corner is 95 ft. above hollow.

Land, rolling, mountainous.

Soil, gravelly, 2d rate; average depth 6 ins. to 2 ft., volcanic stone.

Undergrowth, sage and yellow brush, average height 1 ft.

Good grass for grazing.

No timber.

Flag set at cor. of secs. 22, 23, 26, and 27 being plainly visible, I run for said cor.,

S. 89° 46' E. on a random line bet. secs. 22 and 27,

40.00

Set temp. 1/4 sec. cor.

80.03

Intersect N. and S. line at the cor. of secs. 22, 23, 26, and 27 Thence

N. 89° 46' W. on true line bet. secs. 22 and 27,

Descending, through dense short undergrowth.

1.68

Old county road, bearing N. 80° W. and S. 80° E.

3.98

State road, turnpike, bears N. 80° W. and S. 80° E.

13.13

Hollow, 65 ft. below sec. cor., course S. 50° E.

Ascend.

32.53

Ridge, 80 ft. above hollow, bearing NW. and S. 10° E.

Descend.

40.01 1/2

40 ft. below ridge,

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the

SUBDIVISION T.27 S., R.1 E.

Chains.

ground, for  $\frac{1}{4}$  sec.cor., with brass cap marked

$$\begin{array}{r} S\ 22 \\ \frac{1}{4} \\ \hline S\ 27 \\ 1915 \end{array}$$

- 46.63 Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Hollow, course SE., 45 ft. below  $\frac{1}{4}$  sec. cor. Ascend.
- 73.03 Ridge, 105 ft. above hollow, bearing N.  $70^\circ$  W. and S.  $60^\circ$  E. Descend 10 ft. to
- 80.03 The cor. of secs. 21, 22, 27, and 28. Land. rolling, mountainous. Soil, rocky, average depth 1 to 2 ft., volcanic stone. Undergrowth, dense sage and yellow brush, average height 1 ft. Good grass for grazing. No timber.

August 27, 1915.

Aug. 28, 1915: At Sh Om a.m.l.m.t., I set off  $9^\circ 58\frac{1}{2}'$  N. on the decl. arc;  $38^\circ 27'$  N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 21, 22, 27, and 28. Thence

N.  $0^\circ 04'$  E. bet. secs. 21 and 22,

Ascending, over rolling, mountainous land; through dense short undergrowth.

- 5.00 Ridge, 20 ft. above sec. cor., bearing S.  $60^\circ$  E. and N.  $70^\circ$  W. Descend.
- 11.60 Old county road, bearing N.  $80^\circ$  W. and S.  $80^\circ$  E.
- 18.35 Another old county road, bearing N.  $70^\circ$  W. and S.  $70^\circ$  E.
- 20.05 Draw, 65 ft. below ridge, course S.  $60^\circ$  E.
- 20.65 Another old county road, bearing N.  $60^\circ$  W. and S.  $60^\circ$  E.
- 29.55 State road, turnpike, bearing NW. and S.  $60^\circ$  E.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

SUBDIVISION T.27 S., R.1 E.

Chains.

$\frac{1}{4}$  S 21 | S 22  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner stands 110 ft. above draw.

45.00 Ridge, 15 ft. above  $\frac{1}{4}$  sec. cor., bears N.  $55^\circ$  W. and S.  $55^\circ$  E. Descend.

78.00 Hollow, 75 ft. below ridge, course S.  $40^\circ$  E.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 20 ins. in the ground, with mound of stone around post, for cor. of secs. 15, 16, 21, and 22, with brass cap marked

T 27 S R 1 E  
S 16 | S 15  
S 21 | S 22  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Natural obstacles prevent setting post over 20 ins. in the ground.

Land, rolling, mountainous.

Soil, gravelly, average depth 1 to 3 ft.; volcanic formation.

Undergrowth, dense sage and yellow brush, average height 1 ft.

Good grass for grazing.

No timber.

S.  $89^\circ 46'$  E. on a random line bet. secs. 15 and 22,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.08 Intersect N. and S. line 6 lks. S. of the cor. of secs. 14, 15, 22, and 23. Thence

N.  $89^\circ 43'$  W. on true line bet. secs. 15 and 22,

Over rolling, mountainous land; through dense undergrowth.

4.08 Swale, course S.  $60^\circ$  E. 5 ft. below sec. cor.

Ascend.

16.08 Ridge, 40 ft. above swale, bearing NW. and SE.

Descend.

40.04 Set an iron post 3 ft. long, 1 in. in dia. 16 ins. in the

SUBDIVISION T.27 S., R.1 E.

Chains.

ground, for  $\frac{1}{4}$  sec. cor., mound of stone around post,  
brass cap marked

$$\begin{array}{r} S\ 15 \\ \frac{1}{4} \\ \hline S\ 22 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
Natural obstacles prevent setting post over 16 ins. in the  
ground.

Corner stands 35 ft. below ridge.

42.18 Head of swale, 15 ft. below  $\frac{1}{4}$  sec. cor., course S.  
Ascend.

45.18 Ridge, 10 ft. above head of swale, bearing N. and S.  
Descend.

52.08 Hollow, 30 ft. below ridge, course SE.  
Ascend.

65.58 Ridge, 65 ft. above hollow, bearing NW. and SE.  
Descend 75 ft. to

80.08 The cor. of secs. 15, 16, 21, and 22.  
Land, rolling, mountainous.

Soil, gravelly, average depth 6 ins. to 2 ft., volcanic  
formation.

Undergrowth, dense sagebrush, averaging 1 ft. in height.  
Good grass for grazing.

No timber.

Aug. 28, 1915: At this cor. I set off  $9^{\circ} 55' N.$  on the decl.  
arc; and at apparent noon observe the sun on the merid-  
ian; the resulting lat. is  $38^{\circ} 27' N.$

N.  $0^{\circ} 04' E.$  bet. secs. 15 and 16,

Ascending over rolling, mountainous land; through short  
dense undergrowth.

20.00 Ridge, 110 ft. above sec. cor., bearing N.  $30^{\circ} W.$  and S.  $30^{\circ}$   
E. Descend.

33.50 Hollow, 30 ft. below ridge, course S.  $35^{\circ} E.$

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SUBDIVISION S.27 & R.1 E.

Chains.  
40.00

Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, with mound of stone around post, for  $\frac{1}{2}$  sec. cor., with brass cap marked

S	16	S	15
1915			

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor. Natural obstacles prevent setting post over 18 ins. in the ground.

Corner stands 40 ft. above hollow.

57.90 Ridge, 50 ft. above  $\frac{1}{2}$  sec. cor., bearing N.30° W. and S. 30° E.

Descend. 30 ft. to

60.00 Set an iron post 3 ft. long, 2 in. in dia., 24 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, with brass cap marked

T	27	S	R	1	E
S	9	S	10		
S	16	S	15		
1915					

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor. Land, rolling, mountainous.

Soil, gravelly, volcanic formation; average depth 1 to 3 ft.

Undergrowth, sage and yellow brush, and bitter brush; average height 2 ft.

Good grass for grazing.

No timber.

From above described sec. cor., dam in hollow bears S.51° E. about 65.00 obs. dist.

Flag set at the cor. of secs. 10, 11, 14, and 15 being plainly visible, 1 run for said cor.

S. 50° 50' E. on a random line bet. secs. 10 and 15,

40.00 Set temp.  $\frac{1}{2}$  sec. cor.

40.04 Intersect N. and E. line at the cor. of secs. 10, 11, 14, and 15

SUBDIVISION T.27 S.3, R.1 E.

Chains.

Thence

N.89° 50' W. on a true line bet. secs. 10 and 15,

Over rolling, mountainous land; through short, dense undergrowth.

3.78 Ridge, bearing N.10° W. and S.10° E., 5 ft. above sec. cor. Descend.

13.58 Swale, 35 ft. below ridge, course S. Ascend.

25.18 Ridge, 45 ft. above swale, bearing N. and S. Descend.

30.18 From this point dam, already noted, bears S.8° W.

40.04 .110 ft. below ridge, Set an iron post 3 ft. long, 1 in. in dia., 18 ins. in the ground, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

S 10  
+  
S 15  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Natural obstacles prevent setting post over 18 ins. in the ground.

Descend:

40.88 Draw, 5 ft. below 1/4 sec. cor., course S.10° E. Ascend.

51.48 Ridge, 50 ft. above draw, bearing N.40° W. and S.25° E. Descend.

67.18 Hollow, 40 ft. below ridge, course S.50° E. Ascend 75 ft. to

80.03 The cor. of secs. 9, 10, 15, and 16. Land, rolling, mountainous. Soil, gravelly, volcanic stone, 2d rate; average depth 1 to 3 ft. Undergrowth, dense sage, yellow, and bitter brush; average height 1 ft. Good grass for grazing. No timber.

SUBDIVISION T. 27 S, R. 1 E.

Chains.

Aug. 30, 1915: At 9h a.m. l.m.t., I set off 9° 15' N. on the decl. arc; 38° 28' N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 9, 10, 15 and 16. Thence

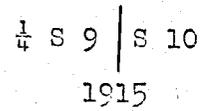
N. 0° 04' E. bet. secs. 9 and 10,  
Descending over rolling, mountainous land; through dense short undergrowth.

9.90 Hollow, 65 ft. below sec. cor., course S. 40° E. Ascend.

28.80 Ridge, 110 ft. above hollow, bearing E. and W.  
Descend.

34.80 Depression, 5 ft. below ridge, drains W. Ascend.

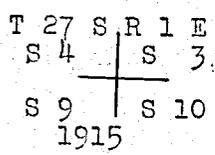
40.00 Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the ground, with mound of stone around post, for 1/4 sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
Corner stands 15 ft. above depression.

70.00 Spur, 125 ft. above 1/4 sec. cor., projects W.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
Corner stands 35 ft. below ridge.

Land, rolling, mountainous.

Soil, rocky, 3d rate; average depth 1 to 2 ft., volcanic stone.

Undergrowth, dense sage and yellow brush; average depth 1 ft.

Good grass for grazing.

No timber.

SUBDIVISION T.27 S, R.1 E.

Chains.

40.00 S. 89° 50' E. on a random line bet. secs. 3 and 10,  
Set temp.  $\frac{1}{4}$  sec. cor.

80.17 Intersect N. and S. line 5 lks. S. of the cor. of secs. 2, 3,  
10, and 11. Thence  
N. 89° 52' W. on a true line bet. secs. 3 and 10,  
Ascending over rolling mountainous land; through short  
dense undergrowth.

13.67 Fish Lake road, bears N. 7° E. and S.

15.37 Ridge, 75 ft. above sec. cor., bearing N. 10° W. and S. 10°  
E. Descend.

36.77 Ledge, 8 ft. high bearing N. and S.

38.37 Draw, 195 ft. below ridge, course S. Ascend.

40.08 $\frac{1}{2}$  Set an iron post 3 ft. long, 1 in. in dia., 9 ins. in the  
ground, to solid rock, with mound of stone around post,  
for  $\frac{1}{4}$  sec. cor., with brass cap marked

S. 3.  
 $\frac{1}{4}$   
S 10  
1915

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high N. of cor.  
Corner 10 ft. above draw.

75.27 Ridge, 45 ft. above  $\frac{1}{4}$  sec. cor., bearing N. 30° E. and S.  
Descend 45 ft. to

80.17 The cor. of secs. 3, 4, 9, and 10.  
Land, rolling, mountainous.  
Soil, rocky, volcanic formation; average depth 6 ins. to  
2 ft.  
Undergrowth, dense sage and bitter brush, average height  
2 ft.  
Good grass for grazing.  
No timber.  
August 30, 1915: At this cor. I set off 9° 12' N. on the  
decl. arc; and at apparent noon, observe the sun on  
the meridian; the resulting lat. is 38° 29' N.

SUBDIVISION T.27 S., R.1 E.

Chains.

N.0° 04'E.on a true line bet.secs.3 and 4,  
Descending over rolling, mountainous land; through dense  
short undergrowth.

9.30 Hollow, 45 ft. below sec.cor., course S.30° W.  
Ascend.

29.00 Spur, 110 ft. above hollow, bears E. and W.  
Descend.

37.60 Depression, 10 ft. below spur, drains S.70° E. Ascend.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$\frac{1}{4}$  S 4 | S 3  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.  
Corner stands 20 ft. above depression.

74.50 W. edge of aspen grove bears E.

78.51 Intersect N. bdy. of Tp. 20.34 chs. W. of cor. of secs. 33 and  
34, heretofore described.

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the  
ground, for closing cor. of secs. 3 and 4, with brass  
cap marked

T 26 S  
S 33 | S 34  
R 1 E —————  
C | C  
S 4 | S 3  
T 27 S  
1915

from which

An aspen 12 ins. dia., bears S.35° E. 106 lks. dist.

marked T 27 S R 1 E S 3 B T.

No other bearing trees within limits; raise a mound of  
stone 2 ft. base,  $1\frac{1}{2}$  ft. high S. of cor.

Corner stands 85 ft. above  $\frac{1}{4}$  sec. cor.

Land, rolling, mountainous.

Soil, rocky, average depth 1 to 3 ft.; volcanic formation.

Undergrowth, dense sage, bitter, and service berry brush.

Timber, aspen.

August 30, 1915.

*Scott J. Lawton*  
U.S. Surveyor.

SUBDIVISION T.27 S., R.1 E.

Chains.

September 1, 1915:

At the cor. of secs. 32 and 33, on the S. bdy. of the Tp., as heretofore described, I turn an angle of 89° 48' to the right, and run

N. 0° 03' E. bet. secs. 32 and 33,

Descending over N. slope of ridge; through scrub black sage.

14.99

Draw, 100 ft. below sec. cor., course NE.

Ascend S. slope of spur.

23.27

Spur, 50 ft. above draw, projects E.

Descend over N. slope.

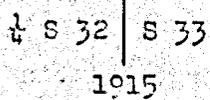
32.49

Draw, 75 ft. below spur, course NE.

Ascend S. slope of ridge.

40.00

Set an iron post 3 ft. long, 1 in in dia., 18 ins in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor. with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Natural obstacles prevent setting post over 18 ins. in the ground.

47.49

Ridge, 85 ft. above draw, bearing N. 60° E. and S. 60° W.

Descend over N. slope.

62.00

Draw, 95 ft. below ridge, course E.

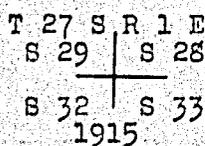
Ascend E. slope of ridge.

78.98

Ridge, 95 ft. above draw, bears E. and W.

80.00

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, with brass cap marked



Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Land rolling, mountainous.

Soil, gravel and clay loam.

Undergrowth, sagebrush, yellow brush, and bunch grass.

SUBDIVISION T.27 S., R.1 E

Chains.

No timber.

S. 89° 45' E. on a random line bet. secs. 28 and 33,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.98 Intersect N. and S. line 3 lks. N. of the cor. of secs. 27, 28, 33, and 34. Thence

N. 89° 44' W. on true line bet. secs. 28 and 33,

Over rolling, mountainous land; through dense undergrowth.

10.02 Draw, 5 ft. below sec. cor., course S. 80° E.

Ascend over E. slope of spur.

13.60 Spur, 55 ft. above draw, projects N.

Descend over W. slope of spur.

27.35 Draw, 35 ft. below spur, course N. 10° E.

Ascend.

39.99 50 ft. above draw,

Set an iron post 3 ft. long, 1 in. in dia., 16 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S\ 28 \\ \frac{1}{4} \\ \hline S\ 33 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

Natural obstacles prevent setting post over 16 ins. in the ground.

79.98 The cor. of secs. 28, 29, 32, and 33, 100 ft. above  $\frac{1}{4}$  sec. cor.

Land, rolling, mountainous.

Soil, gravel and clay loam.

Undergrowth, sagebrush, black sage, and yellow brush, and bunch grass.

No timber.

N. 0° 05' E. bet. secs. 28 and 29,

Descending over N. slope of ridge; through dense undergrowth of black sage and sagebrush.

SUBDIVISION T.27 S., R.1 E.

Chains.

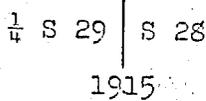
14.46 Draw, 55 ft. below sec. cor., course E.

Ascend S slope of spur.

37.15 Spur, 70 ft. above draw, projects E.

Descend over N. slope, 15 ft. to

40.00 Set an iron post 3 ft. long, 1 in. in dia., 5 ins. in the ground, on solid rock, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

43.70 Draw, 15 ft. below spur, course E.

Ascend over S. slope of spur.

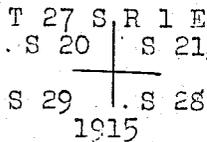
59.10 Spur, 25 ft. above draw, bears E. and W.

Descend over N. slope.

62.88 Draw, 25 ft. below spur, course E.

Ascend S. slope of ridge.

80.00 Set an iron post 3 ft. long, 2 ins. in dia., in mound of stone, for cor. of secs. 20, 21, 28, and 29, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

On ridge, 45 ft. above draw, bearing S.  $80^\circ$  E. and N.  $80^\circ$  W.

Natural obstacles prevent setting post in the ground.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sagebrush, yellow brush, and bunch grass, and black sage.

No timber.

S.  $89^\circ 44'$  E. on a random line bet. secs. 21 and 28,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.94 Intersect N. and S. line 3 lks. N. of the cor. of secs. 21,

SUBDIVISION T.27 S., R.1 E.

Chains.

22,27, and 28. Thence  
N.89° 43'W.on true line bet.secs.21 and 28,  
Descending over W.slope of ridge; through dense under-  
growth.

4.35 Swale, 5 ft.below sec.cor., course S. Ascend.

7.05 Enter juniper, bearing N.and S. (scattering).

12.64 Spur, 35 ft.above swale, projects S.10° E.

Leave juniper.

Descend over W.slope of spur.

39.24 Swale, 30 ft.below spur, course S.

39.97 Set an iron post 3 ft.long, 1 in.in dia., 16 ins.in the  
ground, with mound of stone around post, for  $\frac{1}{4}$  sec.cor.  
with brass cap marked

$$\begin{array}{r} S \ 21 \\ \frac{1}{4} \\ \hline S \ 28 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft.base,  $1\frac{1}{2}$  ft.high N.of cor.  
Natural obstacles prevent setting post over 16 ins.in  
the ground.

Ascend over E.slope of spur.

47.22 Spur, 20 ft.above swale, projects S.

Descend over W.slope of spur.

56.83 Draw, 10 ft.below spur, course SE.

Ascend over E.slope of ridge, 115 ft.to

79.94 The cor.of secs.20,21,28, and 29.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth sagebrush, yellow brush, bunch grass, and  
black sage.

Timber, scattering juniper.

Sept.1, 1915: At the cor.of secs.20,21,28, and 29, lat.  
38° 27'N.; long.111° 52'W., at 8h 53.3m p.m.l.m.t., I  
observe Polaris at eastern elongation, in accordance

SUBDIVISION T.27 S., R.1 E.

Chains.

with instructions in the Manual, and mark a point in this line by a tack in a stake firmly set in the ground 5 chs.N.of the instrument.

Sept. 2, 1915: At 7h 0m a.m. I lay off the azimuth of Polaris 1° 27' 30" to the west, and mark a point on the meridian thus determined by a tack driven in a stake, driven in the ground 5 chs.N.of my station. I then produce my line between secs.28 and 29 N.0° 03'E., and mark this line by a tack driven in a stake set in the ground 5 chs.N.of my station; this mark falls 3.75 ins.E.of the Polaris meridian. Therefore the correct bearing of my line is N.0°03' 17"E. which checks within 17"; I therefore conclude that my line is satisfactory.

The magnetic bearing of the true meridian is N.16° 32' W., which gives the mag.decl.16° 32'E.

Sept. 2, 1915:

N.0° 03'E.bet.secs.20 and 21,

Descending over N.slope; through scrub black sage and sagebrush.

11.35 Draw, 45 ft.below sec.cor., course S:70° E.

Ascend S.slope of ridge.

29.18 Old county road, bears E.and W.

30.18 Ridge, 80 ft.above draw, bearing E.and W.

Descend abruptly over N.slope.

40.00 Set an iron post 3 ft.long, 1 in.in dia., 14 ins.in the ground, with mound of stone around post, for 1/4 sec.cor. with brass cap marked

1/4 S. 20 | S 21

1915

Raise a mound of stone 2 ft.base, 1 1/2 ft.high W.of cor. Natural obstacles prevent setting post over 14 ins.in the ground.

SUBDIVISION T.27 S, R.1 E.

Chains.  
47.47

Draw, 50 ft. below ridge, course S. 80° E.  
Ascend S. slope of ridge.

49.38

State road between Burrville and Loa, bears N. 80° W. and  
S. 80° E.

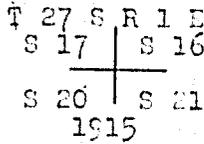
79.66

Ridge, 75 ft. above draw, bearing W. and SE.

Descend over N. slope of ridge, to

30.00

Set an iron post 3 ft. long, 2 ins. in dia., 1 1/4 ins. in the  
ground, with mound of stones around post, for 1/4 sec.  
cor., with brass cap marked



Raise a mound of stone 8 ft. base, 1 1/2 ft. high W. of cor.

Natural obstacles prevent setting post over 1 1/4 ins. in  
the ground.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth sagebrush, yellow brush, bunch grass,  
and black sage.

No timber.

40.00

S. 89° 43' E. on a random line bet. secs. 16 and 21,

Set temp. 1/4 sec. cor.

79.88

Intersect N. and S. line at the cor. of secs. 15, 16, 21, and  
22. Thence

N. 89° 43' W. on true line bet. secs. 16 and 21,

Descending through dense undergrowth.

0.66

Draw, course S.

Ascend over E. slope.

36.38

Ridge, 205 ft. above draw, bearing NW. and SE.

Enter scattering junipers.

39.94

Set an iron post 3 ft. long, 1 in. in dia., 5 ins. in the  
ground, with mound of stone around post, for 1/4 sec. cor.  
with brass cap marked

## SUBDIVISION T.27 S., R.1 E.

Chains.

$$\begin{array}{r} S\ 16 \\ \frac{1}{4} \\ \hline S\ 21 \\ 1915 \end{array}$$

from which

A juniper, 8 ins. dia., bears N.36° 10' W. 90 lks.  
dist., marked  $\frac{1}{4}$  S 16 B T

A juniper, 8 ins. dia., bears S.8° 31' W. 65 lks.  
dist., marked  $\frac{1}{4}$  S 21 B T

Natural obstacles prevent setting post over 5 ins. in  
the ground.

54.92 Leave scattering juniper, bearing N. and S.

Descend W. slope of ridge.

61.25 Draw, 50 ft. below ridge, course SE.

Ascend E. slope of ridge, 85 ft. to

79.88 The cor. of secs. 16, 17, 20, and 21.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sagebrush, yellow brush, black sage, and  
bunch grass.

Timber, scattering juniper.

N.0° 03' E. bet. secs. 16 and 17,

Descending over N. slope of ridge; through dense sage-  
brush.

10.49 Draw, 20 ft. below sec. cor., course SE.

Ascend S. slope of ridge, 85 ft. to

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} S\ 17 \quad | \quad S\ 16 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

45.00 Enter scattering junipers bearing E. and W.

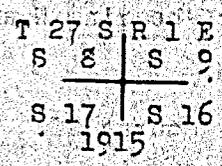
48.08 Ridge, 125 ft. above draw, bearing E. and W.

Descend over N. slope.

50.08 Leave junipers, bearing E. and W.

SUBDIVISION T. 27 S., R. 1 E.

Chains.  
 51.87 Draw, 15 ft. below ridge, drains E.  
 Ascend S. slope of spur.  
 59.07 Ridge, 20 ft. above draw, bearing E. and W.; main divide.  
 Descend over N. slope.  
 64.87 Draw, 5 ft. below ridge, drains W.  
 Ascend over S. slope of ridge.  
 80.00 50 ft. above draw,  
 Set an iron post 3 ft. long, 2 ins. in dia., in mound of  
 stone, for cor. of secs. 8, 9, 16, and 17, with brass cap  
 marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
 Natural obstacles prevent setting post in the ground.  
 Land, rolling, mountainous.  
 Soil, gravel, volcanic rock, and clay loam.  
 Undergrowth, sagebrush, black sage, and bunch grass.  
 Timber, scattering juniper.

40.00 S. 89° 43' E. on a random line bet. secs. 9 and 16  
 Set temp. 1/4 sec. cor.  
 79.90 Intersect N. and S. line 3 lks. N. of the cor. of secs. 9, 10,  
 15, and 16. Thence  
 N. 89° 42' W. on a true line bet. secs. 9 and 16,  
 Ascending over E. slope of ridge; through dense under-  
 growth.  
 15.08 Ridge, 30 ft. above sec. cor., bearing NW. and SE.  
 Descend over N. slope of ridge.  
 21.58 Draw, 25 ft. below ridge, drains S.  
 Ascend over E. slope.  
 36.10 Spur, 7 1/2 ft. above draw, bearing N. and S.  
 Descend 5 ft. to  
 39.95 Set an iron post 3 ft. long, 1 in. in dia., 16 ins. in the

## SUBDIVISION T.27 S., R.1 E.

Chains	
	ground, with mound of stones around post, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S. 9 \\ \frac{1}{4} \\ \hline S. 16 \\ 1915 \end{array}$
	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Natural obstacles prevent setting post over 16 ins. in the ground.
41.05	Draw, 5 ft. below spur, drains S. Ascend over E. slope of ridge.
49.90	Ridge, main divide, 55 ft. above draw, bearing NW. and SE. Descend over W. slope of ridge.
64.61	Draw, 20 ft. below ridge, drains S. $10^{\circ}$ W. Ascend over E. slope.
69.90	Spur, 25 ft. above draw, bearing N. and S. Descend 10 ft. to
79.90	The cor. of secs. 8, 9, 16, and 17. Land, rolling, mountainous. Soil, gravel, volcanic rock, and clay loam. Undergrowth, sagebrush, black sage, yellow brush, and bunch grass. No timber.
	Sept. 2, 1915.

Sept. 4, 1915:

N.  $0^{\circ}$   $03'$  E. bet. secs. 8 and 9,

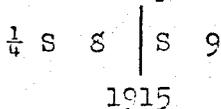
Ascending over S slope of ridge; through dense sagebrush.

19.99	Enter scattering juniper, bearing E. and W.
28.59	Ridge, 55 ft. above sec. cor., bearing E. and W. Descend over N. slope.
36.46	Leave juniper; enter aspens, bearing E. and W.
38.26	Leave aspens, bearing E. and W.
40.00	Set an iron post 3 ft. long, 1 in. in dia., 16 ins. in the

SUBDIVISION T.27 S., R.1 E.

Chains.

ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Natural obstacles prevent setting post over 16 ins. in the ground. Corner 120 ft. below ridge.

46.99

Old road, bears NE. and SW.

47.99

Draw, 145 ft. below ridge, course SW.

Ascend S. slope of ridge.

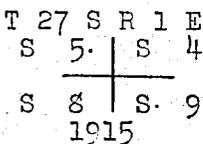
79.50

Ridge, main divide, bearing W. and SE.

80.00

90 ft. above draw,

Set an iron post 3 ft. long, 2 ins. in dia., 6 ins. in the ground, with mound of stone around post, for cor. of secs. 4, 5, 8, and 9, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Natural obstacles prevent setting post over 6 ins. in the ground.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sagebrush, bunch grass, bitter brush and scattering service berry brush.

Timber, juniper and aspen.

Flag set at the cor. of secs. 3, 4, 9, and 10 being plainly visible, I run for said cor.,

S.  $89^{\circ} 39'$  E. on a random line bet. secs. 4 and 9,

40.00

Set temp.  $\frac{1}{4}$  sec. cor.

79.92

Intersect N. and S. line at the cor. of secs. 3, 4, 9, and 10.

Thence

N.  $89^{\circ} 39'$  W. on a true line bet. secs. 4 and 9,

SUBDIVISION T.27 S., R.1 E.

Chains.

Descending over W.slope; through dense undergrowth.

4.73 Draw, 75 ft. below sec. cor., course S.

Ascend over E.slope.

23.94 Ridge, 120 ft. above draw, bearing N. and S.

Descend over W.slope.

34.03 Draw, 25 ft. below ridge, course SE. Ascend E.slope.

39.96 Set an iron post 3 ft. long, 1 in. in dia., 14 ins. in the ground, with mound of stone around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r}
 S \ 4 \\
 \frac{1}{4} \\
 \hline
 S \ 9 \\
 1915
 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Natural obstacles prevent setting post over 14 ins. in the ground.

52.14 Old road, bears NE. and SW.

58.04 Ridge, 85 ft. above draw, bearing N.20° W. and S.20° E. Descend W.slope of ridge.

67.02 Draw, 35 ft. below ridge, course N. Ascend 100 ft. to

79.92 The cor. of secs. 4, 5, 8, and 9.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sagebrush, yellow brush, and bunch grass.

No timber.

N.0° 03'E. on a true line bet. secs. 4 and 5,

Ascending S.slope of ridge; through dense sagebrush.

1.90 Ridge, 5 ft. above sec. cor., bearing E. and W, main divide.

Descend over N.slope.

7.49 Swale, 25 ft. below ridge, course W.

Ascend S.slope of ridge.

11.89 Ridge, 5 ft. above swale, bearing N.20° E. and S.20° W.

SUBDIVISION T. 27 S., R. 1 E.

Chains. Descend over N. slope.

14.68 Begin abrupt descent over N. slope of ridge, bearing NE. and SW.

30.29 Draw, 205 ft. below ridge, course SW. Ascend over S. slope of ridge.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 6 ins. in the ground, to solid rock, with mound of stone around post, for 1/4 sec. cor., with brass cap marked

1/4 S 5 | S 4  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

61.75 Old road, bearing NW. and SE.

68.52 Ridge, 130 ft. above draw, bearing N. 80° W. and S. 80° E.

77:76 Intersect N. bdy. of Tp. 19.71 chs. S. 89° 46' W. of cor. of secs. 32 and 33, heretofore described.

Set an iron post 3 ft. long, 2 ins. in dia., 18 ins. in the ground, with mound of stone around post, for closing cor. of secs. 4 and 5, with brass cap marked

T 26 S | R 1 E  
S 32 | S 33  
---C  
S 5 | S 4  
T 27 S R 1 E  
1915

Raise a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.

Natural obstacles prevent setting post over 18 ins. in the ground. Corner 130 ft. below ridge.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sagebrush, yellow brush, black sage, and bunch grass.

No timber.

September 11, 1915.

*Edward M. Thompson*

U.S. Transitman.

Sept. 2, 1915: At 8h 0m a.m. l.m.t., I set off 5° 10' N. on the decl. arc; 38° 24' N. on the lat. arc, and determine

SUBDIVISION T.27 S., R.1 E.

Chains.

a meridian with the solar at the cor. of secs. 31 and 32, on S. bdy. of the Tp., heretofore described. Thence N. 0° 03' E. bet. secs. 31 and 32,

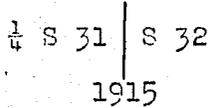
Ascending, over rolling mountainous land; through dense short undergrowth.

14.20 Ridge, 65 ft. above sec. cor., bearing N. 60° E. and S. 60° W.

26.40 Draw, 60 ft. below ridge, course N. 60° E. Ascend.

36.00 Ridge, 70 ft. above draw, bearing NE. and SW. Descend.

40.00 Set an iron post 3 ft. long 1 in. in dia., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Corner is 20 ft. below ridge.

43.00 Draw, 15 ft. below 1/4 sec. cor., course N. 60° E. Ascend.

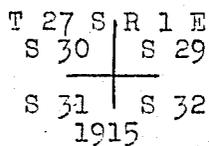
52.00 Ridge, 40 ft. above draw, bearing NE. and SW. Descend.

61.00 Draw, 45 ft. below ridge, course E.

Ascend.

80.00 100 ft. above draw,

Set an iron post 3 ft. long, 2 ins. in dia., 22 ins. in the ground, with mound of stone around post, for cor. of secs. 29, 30, 31, and 32, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Natural obstacles prevent setting post over 22 ins. in the ground.

Land, rolling, mountainous.

Soil, gravelly and rocky, 3d rate; average depth 1 to 3 ft., volcanic formation.

Undergrowth, sage and yellow brush, average height 1 ft.

Good grass for grazing.

No timber.

SUBDIVISION T.27 S, R.1 E.

Chains. Flag set at the cor. of secs. 28, 29, 32, and 33 being plainly visible, I run for said cor.,

40.00 S. 89° 44' E. on a random line bet. secs. 29 and 32, Set temp.  $\frac{1}{4}$  sec. cor.

80.10 Intersect N. and S. line at the cor. of secs. 28, 29, 32, and 33. Thence

N. 89° 44' W. on true line bet. secs. 29 and 32, Ascending over rolling mountainous land; through short dense undergrowth, 60 ft. to

40.05 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S\ 29 \\ \frac{1}{4} \\ \hline S\ 32 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.

55.10 Small knoll, bearing N. and S., 40 ft. above  $\frac{1}{4}$  sec. cor.

66.60 Swale, 30 ft. below knoll, course SE.

Ascend 80 ft. to

80.10 The cor. of secs. 29, 30, 31, and 32.

Land, rolling, mountainous.

Soil, rocky and gravelly; 2d rate; average depth 1 to 3 ft., volcanic formation.

Undergrowth, dense sage, yellow, and bitter brush, average height 1 ft.

Good grass for grazing.

No timber.

Sept. 2, 1915: At this cor. I set off 8° 7' 30" N. on the decl. arc; and at apparent noon observe the sun on the meridian; the resulting lat. is 38° 25' N.

40.00 N. 89° 45' W. on a random line bet. secs. 30 and 31, Set temp.  $\frac{1}{4}$  sec. cor.

55.97 Intersect W. bdy. of Tp. 3 lks. S. of cor. of secs. 25, 30, 31 and 36, heretofore described; 17 ft.

Thence

SUBDIVISION T.27 S., R.1 E.

Chains.

S.89° 40'E.on a true line bet.secs.30 and 31,  
Ascending over rolling, mountainous land; through short  
dense undergrowth.

11.67 Parker Mountain road, on top of ridge, main divide, 15  
ft.above sec.cor., bearing N.30° E. and S.40° W. Desc.

15.97 Set an iron post 3 ft.long, 1 in.in dia., 14 ins.in the  
ground, to solid rock, with mound of stone around post,  
for  $\frac{1}{4}$  sec.cor., with brass cap marked

S 30  
 $\frac{1}{4}$   
S 31  
1915

Raise a mound of stone 2 ft.base, 1 $\frac{1}{2}$  ft.high N.of cor.  
Corner 5 ft.below top of ridge.

34.97 Swale, 40 ft.below  $\frac{1}{4}$  sec.cor., course S. Ascend.

50.97 Spur, 20 ft.above swale, bearing N.and S.  
Descend.

55.97 The cor.of secs.29,30,31 and 32, 15 ft.below spur.  
Land, rolling, mountainous.

Soil, gravelly, 2d rate; average depth 1 ft.to 2 ft.,  
volcanic formation.

Undergrowth, dense sage and yellow brush, average  
height 1 ft.

Good grass for grazing.

No timber.

N.0° 03'E.bet.secs.29 and 30,

Ascending, over rolling, mountainous land; through  
short dense undergrowth.

5.00 Spur, 15 ft.above sec.cor., projects S.50° E.  
Descend.

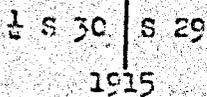
8.60 Head of hollow, 20 ft.below spur, course S.50° E.  
Ascend.

19.00 Ridge, 45 ft.above hollow, bears E.and W., main divide.  
Descend.

~~66~~  
SUBDIVISION T.27 S., R.1 E.

Chains.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 22 ins. in the ground, to solid rock, with mound of stones around post, for  $\frac{1}{4}$  sec. cor., with brass cap marked



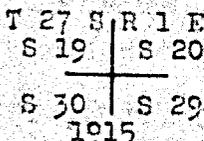
Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Corner is 25 ft. below ridge.

51.05 Road to Parker Mountain, bearing N.  $30^{\circ}$  E. and S.  $15^{\circ}$  W.

76.50 Head of draw, 65 ft. below  $\frac{1}{4}$  sec. cor., course W. Ascend.

80.00 20 ft. above draw,

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 19, 20, 29 and 30, with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor. Land, rolling, mountainous.

Soil, gravelly, 2d rate; average depth 1 to 2 ft., volcanic stone.

Undergrowth, dense sage, yellow, and bitter brush, average height 1 ft.

Good grass for grazing.

No timber.

Sept. 2, 1915.

Sept. 3, 1915: At 8h 59m a.m. l.r.t., I set off  $7^{\circ} 26'$  N. on the decl. arc;  $33^{\circ} 26'$  N. on the lat. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29, and 30. Thence

S.  $39^{\circ} 44'$  E. on a random line bet. secs. 20 and 29.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.00 Intersect N. and S. line 7 lns. S. of the cor. of secs. 20, 21, 28, and 29. Thence

SUBDIVISION T. 27 S., R. 1 E.

- Chains.
- N. 89° 47' W. on a true line bet. secs. 20 and 29,  
 Ascending, over rolling, mountainous land; through short  
 dense undergrowth.
- 30.00 Spur, 55 ft. above sec. cor.; bearing N. and S.  
 Descend.
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 6 ins. in the  
 ground, to solid rock, with mound of stone around post,  
 for  $\frac{1}{4}$  sec. cor., with brass cap marked
- $$\begin{array}{r} S. 20 \\ \frac{1}{4} \\ \hline S. 29 \\ 1915 \end{array}$$
- Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 Corner is 5 ft. below spur.
- 41.00 Head of hollow, 3 ft. below  $\frac{1}{4}$  sec. cor., course N. 51° E.  
 Ascend.
- 62.15 Parker Mountain Road, on ridge, main divide, 45 ft. above  
 hollow, bearing N. 20° E. and S. 20° W.  
 Descend.
- 80.00 The cor. of secs. 19, 20, 29, and 30, 55 ft. below ridge.  
 Land, rolling, mountainous.  
 Soil, gravelly and rocky; average depth 6 ins. to 2 ft.,  
 volcanic stone.  
 Undergrowth, dense sage, and yellow brush, average height  
 2 ft.  
 Good grass for grazing.  
 No timber.
- 
- N. 89° 40' W. on a random line bet. secs. 19 and 30,  
 Set temp.  $\frac{1}{4}$  sec. cor.
- 56.13 Intersect W. bdy. of Tp. 21 lka. N. of the cor. of secs. 19, 24,  
 25, and 30, heretofore described.  
 Thence  
 S. 89° 53' E. on a true line bet. secs. 19 and 30,  
 Ascending over rolling mountainous land; through short,

SUBDIVISION T.27 S., R.1 E.

Chains.

dense undergrowth.

3.43 Ridge, 30 ft. above sec. cor., bearing NE. and SW.  
Descend.

16.13 Set an iron post 3 ft. long, 1 in. in dia., 22 ins. in the  
ground, with mound of stone around post, for  $\frac{1}{4}$  sec.  
cor., with brass cap marked

S 19  
  1  
S 30  
1915

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
Corner is 85 ft. below ridge, in swale, course N.  $30^{\circ}$  E.  
Ascend.

27.13 Spur,, bearing N.  $30^{\circ}$  E. and S.  $30^{\circ}$  W., 25 ft. above swale.  
Descend.

38.13 Draw, 85 ft. below spur, course N.  $20^{\circ}$  W.  
Ascend.

56.13 The cor. of secs. 19, 20, 29, and 30, 240 ft. above draw.  
Land, rolling, mountainous.  
Soil, rocky, volcanic stone, average depth 1 to 2 ft.;  
Undergrowth, dense sage and yellow brush, average height  
1 ft.

No timber.

Sept. 4, 1915: At this cor. I set off  $7^{\circ} 23' N.$  on the decl.  
etc; and at apparent noon, observe the sun on the me-  
ridian; the resulting lat. is  $38^{\circ} 26' N.$

N.  $0^{\circ} 03' E.$  bet. secs. 19 and 20,  
Ascending over rolling, mountainous land; through dense,  
short, undergrowth

10.00 Ridge, 20 ft. above sec. cor., bearing E. and W. Descend.

20.00 Depression, on ridge, drains S.  $70^{\circ}$  W., 25 ft. below top.  
Ascend.

25.00 Ridge, 3 ft. above depression, bearing E. and W. Descend.

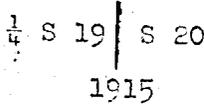
40.00 65 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the

SUBDIVISION T.27 S., R.1 E.

Chains.

ground, for  $\frac{1}{4}$  sec. cor.; with brass cap marked



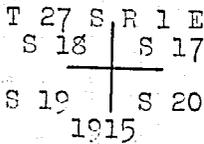
Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

52.50 Draw, 50 ft. below  $\frac{1}{4}$  sec. cor., course W.

Scattering cedar, pinon pine, and aspen in bottom of draw. Ascend.

30.00 100 ft. above draw,

Set an iron post 3 ft. long, 2 ins. in dia., 14 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 17, 18, 19, and 20, with brass cap mkd.



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high W. of cor.

Land, rolling, mountainous.

Soil, gravelly and rocky, volcanic formation; 3d rate; average depth 1 to 2 ft.

Undergrowth, dense sage and yellow brush; average height 1 ft.

Good grass for grazing.

Timber, scattering cedar, pinon pine, and aspen.

S. 39° 47' E. on a random line bet. secs. 17 and 20,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.08 Intersect N. and S. line 5 lks. S. of the cor. of secs. 16, 17, 20, and 21. Thence

N. 89° 49' W. on a true line bet. secs. 17 and 20,

Ascending over rolling, mountainous land; through short dense undergrowth.

30.08 Ridge, main divide, 25 ft. above sec. cor., bearing N. and S. Descend.

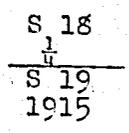
40.04 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the

## SUBDIVISION T.27 S., R.1 E.

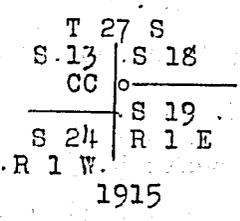
Chains.	ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S\ 17 \\ \hline S\ 20 \\ 1915 \end{array}$
	Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Corner stands 40 ft. below ridge.
43.08	Head of draw, 20 ft. below $\frac{1}{4}$ sec. cor., course S. $25^{\circ}$ W. Ascend.
51.08	Ridge, 30 ft. above draw, bearing N. $10^{\circ}$ E. and S. $10^{\circ}$ W. Descend.
63.78	State road, turnpike, bearing N. $5^{\circ}$ W., and S. $5^{\circ}$ E.
67.58	Draw, 155 ft. below ridge, course S. $10^{\circ}$ W. Ascend.
80.08	60 ft. above draw, The cor. of secs. 17, 18, 19, and 20. Land, rolling, mountainous. Soil, gravelly, volcanic formation; 2d rate; average depth 1 to 2 ft. Undergrowth, dense sage, bitter, and yellow brush; average height 1 ft. Good grass for grazing. No timber. <span style="float: right;">September 4, 1915.</span>
	<p>September 7, 1915: At 7h 58m a.m. l.m.t., I set off <math>6^{\circ} 21' N.</math> ✓ N. on the decl. arc; <math>38^{\circ} 27' N.</math> on the lat. arc; and determine a meridian with the solar at the cor. of secs. 17, 18, 19, and 20. Thence N. <math>89^{\circ} 53' W.</math> on a true line bet. secs. 18 and 19, ascending, over rolling, mountainous land; through dense, short, undergrowth.</p>
1.00	Ridge, 1 ft. above sec. cor., bearing N. and S. Descend.
14.00	Enter scattering cedar and pinon pine, south of line only.

SUBDIVISION T.27 S., R.1 E.

Chains.  
 24.20 Swale, 265 ft. below ridge, course S.10° W.  
 Ascend.  
 29.25 Old wood road, bearing N.30° E. and S.30° W.  
 34.60 Spur, 90 ft. above swale, bears N.30° E. and S.  
 Descend.  
 35.50 Hollow, 10 ft. below spur, course S.  
 Ascend.  
 40.00 30 ft. above hollow,  
 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
 ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked



Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor.  
 47.10 Ridge, 55 ft. above  $\frac{1}{4}$  sec. cor., bearing N.20° W. and S.  
 56.49 Intersect W. bdy. of Tp. 1.21 chs. N.0° 20'E. of the cor. of  
 secs. 13 and 24, T.27 S., R.1 W., heretofore described.  
 Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the  
 ground, for closing cor. of secs. 18 and 19, with brass  
 cap marked



from which  
 A cedar, 8 ins. dia., bears S.54° 20'E. 188 lks.  
 dist., marked T 27 S R 1 E S 19 B T  
 A pinon pine, 12 ins. dia., bears N.28° 50'E. 203  
 lks. dist., marked T 27 S R 1 E S 18 B T

Land, rolling, mountainous.  
 Soil, gravelly, volcanic formation; average depth 1 to  
 3 ft.  
 Undergrowth, dense sage and yellow brush; average height  
 1 ft.; scattering bitter brush.  
 Good grass for grazing.

SUBDIVISION T.27 S., R.1 E.

Chains.

Timber, scattering cedar and pinon pine.  
Sept. 7, 1915: At this cor. I set off 6° 16' 30" N. on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is 38° 27' N.

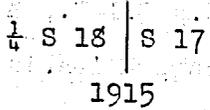
N. 0° 03' E. bet. secs. 17 and 18,  
Ascending, over rolling, mountainous land; through dense short undergrowth.

5.00 Ridge, 15 ft. above sec. cor., bearing N. 10° E. and S. 10° W.  
Descend.

21.00 Head of hollow, 35 ft. below ridge, course S. 30° W.  
Ascend.

431.00 Ridge, 60 ft. above hollow, bearing N. 60° E. and S. 60° W.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked

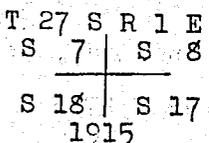


Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
Corner stands 60 ft. below ridge.

66.00 Head of draw, 160 ft. below 1/4 sec. cor., course S. 70° W. Asc.

79.35 Old county road, bearing E. and W.

80.00 Ridge, 95 ft. above draw, bears N. 55° E., and S. 55° W.  
Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 7, 8, 17, and 18, with brass cap marked



Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.  
Land, rolling, mountainous.

Soil, gravelly and rocky, volcanic formation; 3d rate;  
average depth 1 to 3 ft.

Undergrowth, dense sage and yellow brush, average height 1 ft. No timber. Good grass for grazing.

Sept. 7, 1915.

*Scott Stewart*

U.S. Surveyor.

SUBDIVISION T.27 S, R.1 E.

Chains.

Sept. 7, 1915:

S. 89° 49' E. on a random line bet. secs. 8 and 17,

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.06 Intersect N. and S. line at the cor. of secs. 8, 9, 16, and 17,  
Thence

N. 89° 49' W. on a true line bet. secs. 8 and 17,

Ascending E. slope of ridge; through dense sagebrush.

5.00 Ridge, 5 ft. above sec. cor., bearing N. and S.

Descend over west slope.

27.43 Road, in bottom of draw, 125 ft. below ridge; course of  
draw S.; road bears N. and S. Ascend E. slope of ridge.

35.64 Ridge, 15 ft. above draw, bearing NE. and SW.

Descend over W. slope.

40.03 Set an iron post 3 ft. long., 1 in. in dia., 10 ins. in  
the ground, with mound of stone around post, for  $\frac{1}{4}$   
sec. cor., with brass cap marked

S 8  
 $\frac{1}{4}$   
S 17  
1915

from which

A juniper 24 ins. dia., bears S. 69° 10' E. 62 lbs.  
dist., marked  $\frac{1}{4}$  S 17 B T

No other bearing trees within limits; raise a mound of  
stone 2 ft. base, 1  $\frac{1}{2}$  ft. high N. of cor.

53.44 Draw, 260 ft. below ridge, course SW. Asc. E. slope of spur.

59.44 Spur, 15 ft. above draw, projects S. Desc. W. slope of spur

61.24 State road, Burrville to Loa, bearing S. 20° E. and NW.

64.01 Draw, 30 ft. below spur, course S.

Ascend E. slope of ridge.

73.60 Top of steep ascent, 35 ft. above draw, bearing NE. and  
SW. Descend over W. slope.

80.06 The cor. of secs. 7, 8, 17, and 18, 20 ft. below ridge.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sagebrush, deer brush, and bunch grass.

SUBDIVISION T.27 S., R.1 E.

Chains.

scattering service berry brush.

Timber, scattering juniper.

N.89° 53'W.on true line bet.secs.7 and 18,

Descending over west slope; through dense sagebrush.

6.80 State road, Burrville to Loa, bearing NE. and SW.

13.66 Draw, 110 ft.below sec.cor., course N.Ascend E.slope of ridge.

16.16 State road, Burrville to Loa, bearing N.and SE.

17.54 Ridge, 25 ft.above draw, bearing N.and S. Descend over west slope.

22.85 Enter scattering juniper and pinon pine, bearing W.and S.

40.00 Set an iron post 3 ft.long, 1 in.in dia., 10 ins.in the ground, to solid rock, with mound of stone around post, for 1/4 sec.cor., with brass cap marked

$$\begin{array}{r} S \quad 7 \\ \hline S \quad 18 \\ 1915 \end{array}$$

Corner: 390 ft.below ridge. From iron post,

A pinon pine, .18 ins.dia., bears N.62° 40'E.156 lks.dist., marked 1/4 S 7 B T

A pinon pine, 10 ins.dia., bears S.30° 30'E. 11 lks.dist., marked 1/4 S 18 B T

54.10 Wash, .6 ft.deep, 20 lks.wide, 680 ft.below ridge, course NW.

56.43 Intersect W.bdy.of Tp.1.73 chs.N.0° 33'E.of the cor.of secs.12 and 13 T.27 S., R.1 W.; heretofore described.

Set an iron post 3 ft.long, 2 ins.in dia., 24 ins.in the ground, for closing cor.of secs.7 and 18, with brass cap marked

$$\begin{array}{r} T \quad 27 \quad S \\ S \quad 12 \quad | \quad S \quad 7 \\ R \quad 1 \quad W \quad CC \quad | \quad R \quad 1 \quad E \\ S \quad 13 \quad | \quad S \quad 18 \\ 1915 \end{array}$$

from which

SUBDIVISION T.27 S, R.1 E.

Chains.

A pinon pine, 12 ins. dia., bears N.29° 55'E.177 lks. dist., marked T-27 S R 1 E S 7 B T

A juniper 6 ins. dia., bears S.23° 40'E. 46 lks. dist., marked T 27 S R 1 E S 18 B T

Corner stands 685 ft. below ridge.

Land, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sagebrush and bunch grass.

Timber, scattering juniper and pinon pine on W.33.58 chs.

Sept. 7, 1915.

*Edward W. Thompson*

U.S. Transitman.

Sept. 7, 1915:

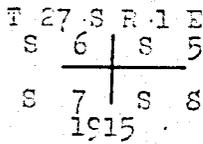
N.0° 03'E. bet. secs. 7 and 8,

Descending, over rolling, mountainous land; through short, dense undergrowth.

- 3.00 State road, turnpike, bearing N.80° W. and S.80° E.
- 35.00 Swale, 205 ft. below sec. cor., course N.30° E. Asc. 5 ft. to
- 40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked  
 $\frac{1}{4}$  S 7 | S 8  
1915
- ... Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high W. of cor.
- 57.40 State road, turnpike, bearing N.30° E. and S.30° W.
- 62.30 Old county road, bearing N.20° E. and S.30° W.
- 69.00 Ridge, 15 ft. above  $\frac{1}{4}$  sec. cor., bearing E. and W. Descend. Enter scattering cedar, pinon pine, and mahogany, bearing E. and W.
- 80.00 Set an iron post 3 ft. long, 2 ins. in dia., 14 ins. in the ground, to solid rock, with mound of stone around post, for cor. of secs. 5, 6, 7, and 8, with brass cap marked

SUBDIVISION T. 27 S, R. 1 E.

Chains.



from which

A pinon pine 20 ins. dia., bears N. 75° 40' E. 334 lks. dist., marked T 27 S R 1 E S 5 B T

No other bearing trees within limits; raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Corner stands 50 ft. below ridge.

Land, rolling, mountainous.

Soil, rocky, volcanic formation, 3d rate; 6 ins. to 2 ft. deep.

Undergrowth, dense sage, average height 1 1/2 ft.; scattering bitter brush.

Timber, scattering cedar, pinon pine, and mahogany.

Sept. 7, 1915.

*Scott C. Steward*  
U.S. Surveyor.

Sept. 8, 1915:

S. 89° 49' E. on a random line bet. secs. 5 and 8,

Set temp. 1/4 sec. cor.

40.00

Intersect N. and S. line at the cor. of secs. 4, 5, 8, and 9.

39.14

Thence

N. 39° 49' W. on a true line bet. secs. 5 and 8,

Ascending E. slope of ridge; through dense sagebrush.

1:55

Ridge, main divide, 10 ft. above sec. cor., bears N. 10° E.

and S. 10° W. Descend W. slope of ridge.

40.14

Enter scattering aspens, bearing N. and S.

25.74

Draw, 275 ft. below ridge; course SW.

27.15

Leave aspens bearing N. and S. Ascend abruptly.

30.24

Top of abrupt ascent; enter scattering mahogany, bearing N. and S.

31.14

Leave mahogany, bearing N. and S.

Ascend over E. slope of ridge.

39.24

Ridge, 75 ft. above draw, bearing N. 30° E. and S. 30° W.

SUBDIVISION T.27 S., R.1 E.

Chains.  
40.07

Set an iron post 3 ft. long, 1 in. in dia., in mound of stone, for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r} S \ 5 \\ \frac{1}{4} - \\ \hline S \ 8 \\ 1915 \end{array}$$

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high N. of cor. Natural obstacles prevent setting post in the ground.

Descend over W. slope of ridge.

63.85 Draw, 505 ft. below ridge, course N.

67.44 State road, Burrville to Loa, bearing N. and S.

Ascend E. slope of spur.

77.24 Spur, 25 ft. above draw, bearing N. and S.

Descend over W. slope, to

80.14 The cor. of secs. 5, 6, 7, and 8, 5 ft. below spur.

Land, rolling, mountainous.

Soil, gravel, volcanic rock, and clay loam.

Undergrowth, sagebrush and yellow brush; and bunch grass.

Timber, mahogany and aspen.

September 8, 1915.

*Edward M. Thompson*

U.S. Transitman.

Sept. 8, 1915: At 8h 58m a.m. l.m.t., I set off  $5^{\circ} 57' N.$

on the decl. arc;  $38^{\circ} 29' N.$  on the lat. arc; and deter-

mine a meridian with the solar at the cor. of secs. 5, 6, 7, and 8. Thence

$N. 89^{\circ} 53' W.$  on a true line bet. secs. 6 and 7,

Descending over rolling, mountainous land; through scattering cedar and pinon pine timber, and dense, short, undergrowth.

12.30 Old road, bearing N. and S.

29.90 Canon, 295 ft. below sec. cor., course SW. Ascend.

37.90 Old road, bearing NE. and SW.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 10 ins. in the ground, to solid rock, with mound of stones around post,

SUBDIVISION T.27 S., R.1 E.

Chains.

for  $\frac{1}{4}$  sec. cor., with brass cap marked

$$\begin{array}{r}
 S \ 6 \\
 \frac{1}{4} \\
 \hline
 S \ 7 \\
 1915
 \end{array}$$

Corner 55 ft. above canyon. From iron post,

A cedar, 20 ins. dia., bears N.35° 30'E. 39 lks. dist., marked  $\frac{1}{4}$  S 6 B T

A pinon pine, 16 ins. dia., bears S.61° 30'W.26 lks. dist., marked  $\frac{1}{4}$  S 7 B T

43.00 Saddle on ridge, bearing N. and S.

46.50 Spur, 30 ft. above  $\frac{1}{4}$  sec. cor., bearing N. and S. Desc.

54.50 Old road, bearing N. and S.

56.62 Intersect Wibdy. of Tp. 1.89 chs. N.0° 40'E. of the cor. of secs. 1 and 12, T.27 S., R.1 W., heretofore described. Set an iron post 3 ft. long, 2 ins. in dia., 18 ins. in the ground, with mound of stone around post, for closing cor. of secs. 6 and 7, with brass cap marked

$$\begin{array}{r}
 T \ 27 \ S \\
 S \ 1 \ | \ S \ 6 \\
 CC \ | \ \bullet \\
 \hline
 S \ 12 \ | \ S \ 7 \\
 R \ 1 \ W \ | \ R \ 1 \ E \\
 1915
 \end{array}$$

from which

A cedar, 14 ins. dia., bears S.12° E. 69 lks. dist. marked T 27 S R 1 E S 7 B T

A pinon pine, 16 ins. dia., bears N.15° 30'E. 93 lks. dist., marked T 27 S R 1 E S 6 B T

Corner stands 170 ft. below spur.

Land, rolling, mountainous.

Soil, rocky, 3d rate; average depth 6 to 24 ins. deep; volcanic formation.

Undergrowth, scattering scrub oak and dense sage; average height 1 ft.

Good grass for grazing.

Timber, cedar and pinon pine.

SUBDIVISION T.27 S., R.1 E

Chains.

N.0° 03'E. bet. secs. 5 and 6, on true line,  
Descending over rolling, mountainous land; through scat-  
tering cedar and pinon pine, and dense undergrowth.

15.60 Road, in depression, bearing NE. and S.60° W., 60 ft.  
below sec. cor. ; depression drains S.60° W. Ascend.

25.00 Ridge, 15 ft. above depression, bearing E. and W.

40.00 Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor., with brass cap marked,

$\frac{1}{4}$  S 6 | S 5  
1915

from which

A pinon pine, 2 $\frac{1}{2}$  ins. in dia., bears S.85° E. 32  
lks. dist., marked  $\frac{1}{4}$  S 5 B T

A cedar, 6 ins. dia., bears N.61° 30' W. 63 lks. dist.  
marked  $\frac{1}{4}$  S 6 B T

Corner stands 15 ft. below ridge.

45.10 Old road, bearing N.80° W. and S.70° E.

52.70 Draw, 100 ft. below  $\frac{1}{4}$  sec. cor., course N.80° W.  
Ascend.

66.00 Ridge, 55 ft. above draw; bearing E. and W. Descend.

77.62 Intersect N. bdy. of Tp. 19. 81 chs. N.89° 47' W. of cor. of  
secs. 31 and 32, heretofore described.

Set an iron post 3 ft. long, 2 ins. in dia., 24 ins. in the  
ground, for closing cor. of secs. 5 and 6, with brass  
cap marked

T 26 S |  
S 31 | S 32  
R 1 E ———  
C | C  
S 6 | S 5  
T 27 S  
1915

Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high S. of cor.  
Corner stands, 5 ft. below ridge.

Land, rolling, mountainous.

Soil, gravelly, 2d rate; average depth 1 to 2 ft.; vol-  
canic formation.

Undergrowth, dense sage, average height 1 $\frac{1}{2}$  ft.

## SUBDIVISION T.27 S., R.1 E.

Chains. Good grass for grazing.

Timber, scattering cedar, pinon pine, and mahogany.

Sept. 8, 1915: At this cor. I set off  $5^{\circ} 54' N.$  on the decl. arc; and at apparent noon, observe the sun on the meridian; the resulting lat. is  $38^{\circ} 29' N.$

Sept. 8, 1915.

*Scott V. Stewart*  
U. S. Surveyor.

GENERAL DESCRIPTION.

This township is a rolling, mountainous country, underlaid with a solid rock formation. The soil is chiefly a rocky and gravelly clay loam, formed from the disintegration of volcanic rock; and from one to four feet deep.

There is a scattering growth of cedar, juniper, aspen, pinon pine and mahogany in the eastern, northern, and western portions of the township, valuable only for fuel for the residents of Loa, Burrville, and Koosharem. The entire township is covered with a dense undergrowth, principally sagebrush, from six inches to three feet in height.

There is no water within the township except as found in hollow rocks, containing about 200 gallons, located about in the center of sec. 21, which collects in rainy seasons. These rocks or tanks are not seen from line.

The county or state road, from Loa to Burrville, Utah, runs through the south central and western portions of the township, and is an excellent mountain road. There is also a road branching off from the county road about  $1\frac{1}{2}$  miles west from the E. bdy. of the Tp., and 2 miles N. of the S. bdy., which runs northerly, through

## GENERAL DESCRIPTION T. 27 S., R. 1 E.

the township to Fish Lake, which is located about 2 miles northeasterly of the NE. cor. of the township, used as a summer resort. This lake is about 7 miles long and 2 miles wide, and bears about N. 30° E. There are also quite a number of old wood roads through the township, used by the residents of Loa, Burrville, and Koosharem.

The only improvement within the township is an old reservoir in section 15. This reservoir has a dam about 60 ft. long and 3 ft. high, and covers about 1/10 acre; dry at this season; and claimant unknown.

The township is used mostly by sheepmen, for early spring and late fall grazing, during which periods it furnishes abundant grass.

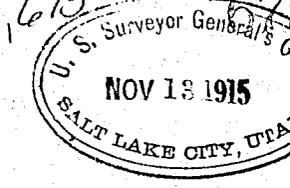
There are no settlers within the township. We found no traces of mineral or coal within the township.

John M. Stewart  
U.S. Surveyor.

Edward N. Thompson  
U.S. Transitionman.

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**Page**



CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, Edward N. Thompson, U.S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of Subdivisions of T. 27, R. 28, 29, and 30 S. R. 1 E. and T. 28, 29 and 30 S. R. 2 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

Table with columns: NAME, PERIOD OF SERVICE (Began, Ended), CAPACITY. Rows include: White, Emma; White, M. L.; Dalton, Arthur W.; and Andrews, M. M.

Subscribed and certified to before me on the dates of the final service as shown above.

Edward N. Thompson, U.S. Surveyor, Transitman.

FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me } this \_\_\_\_\_ day of \_\_\_\_\_, 191 \_\_\_\_\_



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 191 \_\_\_\_\_

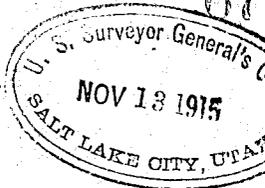
The foregoing field notes of the survey of \_\_\_\_\_

executed by \_\_\_\_\_ under his special instructions dated \_\_\_\_\_, 191 \_\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.



CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, Scott P. Stewart, U. S. Surveyor, during the periods and in the capacities retracing and resurveying stated opposite our several signatures, in surveying all those parts or portions of N. ldy T. 30 S. R. 1 & 2 E.; N. ldy 28 S. R. 2 E.; and E. & N. ldy T. 27 S. R. 1 E.

of the Salt Lake Base and Meridian, in the State of Utah - which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<u>William Bally</u>	<u>May 28, 1915</u>	<u>Sept. 10, 1915</u>	<u>1st Chairman</u>
<u>William C. Stewart</u>	<u>May 4, 1915</u>	<u>Sept. 10, 1915</u>	<u>2nd Chairman</u>
<u>Fenton M. Maiben</u>	<u>June 7, 1915</u>	<u>Sept. 10, 1915</u>	<u>Assn. &amp; Cornerman</u>
<u>Thos. J. Anching</u>	<u>May 11, 1915</u>	<u>Sept. 10, 1915</u>	<u>Flagman</u>

Subscribed and certified to before me on the dates of the final service as shown above.

Scott P. Stewart  
U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_

bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me } this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 191\_\_\_\_

The foregoing field notes of the survey of \_\_\_\_\_

executed by \_\_\_\_\_ under his special instructions dated \_\_\_\_\_, 191\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of, the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.



# FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully; and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
 this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_



## APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 191\_\_\_\_

The foregoing field notes of the survey of \_\_\_\_\_

executed by \_\_\_\_\_ under his special instructions dated \_\_\_\_\_, 191\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.



BOOK A-422  
FINAL OATH OF UNITED STATES SURVEYOR.

I, \_\_\_\_\_, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for \_\_\_\_\_ bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ of the \_\_\_\_\_  
\_\_\_\_\_ Meridian, in the State of \_\_\_\_\_, which are represented in the foregoing field notes as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

\_\_\_\_\_  
*U. S. Surveyor.*

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191\_\_\_\_ }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 191\_\_\_\_

The foregoing field notes of the survey of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

executed by \_\_\_\_\_  
under his special instructions dated \_\_\_\_\_, 191\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

\_\_\_\_\_  
*U. S. Surveyor General.*

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

\_\_\_\_\_  
*U. S. Surveyor General.*



BOOK A-422

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, Scott P. Stewart, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of Subdivisions of T. 27, 28, 29, and 30 S. R. 1 E. and T. 28, 29, and 30 S. R. 2 E.

of the Salt Lake Base Meridian, in the State of Utah which are represented in the foregoing field notes as having been executed by him, and under his direction; and that said survey has been, in all respects, to the best of our knowledge and belief, well and faithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	
<u>William D. Dallas</u>	<u>May 28, 1915.</u>	<u>Sept. 10, 1915.</u>	<u>1st Chairman</u>
<u>William C. Strudell</u>	<u>May 4, 1915.</u>	<u>Sept. 10, 1915.</u>	<u>2nd Chairman</u>
<u>Judson M. Maibach</u>	<u>June 7, 1915.</u>	<u>Sept. 10, 1915.</u>	<u>Assessor and</u> <u>Comptroller.</u>
<u>Roy G. Handing</u>	<u>May 11, 1915.</u>	<u>Sept. 10, 1915.</u>	<u>Flagman.</u>

Subscribed and certified to before me on the dates of the final service as shown above.

Scott P. Stewart

U. S. Surveyor.

CERTIFICATE TRANSITMAN  
FINAL OATH OF UNITED STATES SURVEYOR.

I, Edward N. Thompson, Transitman, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for U t a h, bearing date of the 4th day of May, 1914, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States <sup>resurveyed and</sup> surveyed all those parts or portions of  Tp.27 S., R.1 E.; Tp.28 S., Rs.1 and 2 E.; Tp.29 S., Rs.1 and 2 E.; and Tp.30 S., Rs.1 and 2 E.

of the Salt Lake Base and Meridian, in the State of U t a h, which are represented in the foregoing field notes <sup>in books "C" + "E" to "J" inclusive</sup> as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for U t a h and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Edward N. Thompson  
U. S. Surveyor.  
U. S. Transitman.

Subscribed by said March 24, 1917, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 191



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
\_\_\_\_\_, 191

The foregoing field notes of the survey of \_\_\_\_\_

executed by \_\_\_\_\_ under his special instructions dated \_\_\_\_\_, 191 \_\_\_\_\_, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.



FINAL OATH OF UNITED STATES SURVEYOR.

I, Scott P. Stewart, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for U t a h, bearing date of the 4th day of May, 1914, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States resurveyed and surveyed all those parts or portions of  Tp.27 S., R.1 E.; Tp.26 S., Rs.1 and 2 E.; Tp.29 S., Rs.1 and 2 E.; and Tp.30 S., Rs.1 and 2 E.

of the Salt Lake Base and Meridian, in the State of U t a h, which are represented in the foregoing field notes/as having been executed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for U t a h and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Scott P. Stewart

U. S. Surveyor.

Subscribed by said Scott P. Stewart, and sworn to before me }  
this 13 day of March, 1914

W. C. Harrison

U. S. SURVEYOR GENERAL FOR UTAH.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 26, 1914

The foregoing field notes of the ~~survey~~ of resurvey of east and north bounda-ries of Township No. 27 South, Range No. 1 East and of the Salt Lake Meridian through Township No. 27 South; and survey of the subdivision of Township No. 27 South, Range No. 1 East of the Salt Lake Base and Meridian, Utah,

executed by Scott P. Stewart and Edward N. Thompson under their special instructions dated May 4, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements, resurveys, and surveys they describe, are hereby approved.

W. C. Harrison  
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.