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R0404

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FIELD NOTES

OF THE SURVEY OF THE

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Of the ..... *Meridian,*

In the State of .....

EXECUTED BY

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In the capacity of U. S. Surveyor...., *under instructions dated*....., *191*...., *issued by the United States Surveyor General to govern surveys included in Group No.* ....., *which were approved by the Commissioner of the General Land Office,* ....., *191*....

Survey commenced ....., *191*....

Survey completed ....., *191*....

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Survey completed ....., *191*....

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Survey commenced ....., *191*....

Survey completed ....., *191*....

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Survey commenced ....., *191*....

Survey completed ....., *191*....

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Survey commenced ....., *191*....

Survey completed ....., *191*....

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Survey commenced ....., *191*....

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Survey commenced ....., *191*....

Survey completed ....., *191*....

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FIELD NOTES

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Survey commenced ....., *191*....

Survey completed ....., *191*....

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OF THE SURVEY OF THE

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Survey commenced ....., *191*....

Survey completed ....., *191*....

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BOOK A-404

AT

U. S. Surveyor General's Office
FEB 9 1914
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

of

Township No.1 North, Range No.9 West,

Of the Salt Lake Base and *Meridian,*

In the State of Utah

EXECUTED BY

John E. Stewart and Robert D. Dalton

In the capacity of U. S. Surveyor and Transitman, *under instructions dated* April 10, ~~19~~, *191*3, *issued by the United States Surveyor General to govern surveys included in Group No.* 20, *which were approved by the Commissioner of the General Land Office,* April 28, *191*3, *pursuant to authority contained in the Act of Congress dated* , *191*

Survey commenced May 2, 1913, *191*

Survey completed May 16, 1913, *191*

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31	47	32	37	33	27	34	15	35	2	36

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Sub. T. 1 N., R. 9 W.

Chains

Survey commenced May 2, 1913, and executed with a Keuffel & Esser light mountain transit No. 20037 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 verniers of the latitude and declination arcs. Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved by G. D. D. Kirkpatrick, Assistant Supervisor of Surveys.

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 p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows:

At the Standard cor. of secs. 35 and 36 on S. bdy. of Tp., latitude 40°46'04"N., longitude 112°49'50"W., I set off 40°46'N. on the lat. arc, 15°26'N. on the decl. arc, and at 3h 57m p.m., l.m.t., I determine a meridian with the solar and mark a point thereon by a cross on a stone firmly set in the ground, 5.00 chs. N. of the cor.

May 2, 1913.

May 3, 1913: At 4h 49m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

At 7h 30m a.m., l.m.t., I lay off the azimuth of Polaris 1°31' to the west, and mark the meridian thus determined by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.40 ins. east of the meridian established by the solar.

At 7h 57m a.m., l.m.t., I set off 40°46'N. on the lat. arc, 15°38'N. on the decl. arc, and determine a meridian

Sub. T. 1 N., R. 9 W.

Chains	
	with the solar, and mark a point thereof by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.44 ins. east of the meridian established by Polaris observation.
	The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'21" west and 0'23" east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic variation of the meridian at 8h 30m a.m. is N.16°45'W.; the angle thus determined gives the mag. decl. 16°45'E.
	The Standard cor. of secs. 35 and 36 is an iron post, 3 ins. dia., projecting 12 ins. above ground, firmly set and mkd. and witnessed as described by the surveyor general.
	Thence I run:
	N.0°01'W. bet. secs. 35 and 36.
	Over nearly level land, through dense undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor. mkd. on brass cap
	¼ S 35 | S 36 1913
	dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist., and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
63.40	Road, 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. 25, 26, 35 and 36, mkd. on brass cap
	T 1 N | R 9 W S 26 | S 25 S 35 | S 36 1913
	dig pits, 18x18x12 ins., in each sec. 5½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, nearly level.
	Soil, clay loam, 2nd and 3rd rate.

Chains	
	Undergrowth,shadscales.
	No timber.
	A very little grass.
	Land covered with dense undergrowth,80.00 chs.
	May 3,1913:At this cor.I set off 15°41'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°47'N.,which is the proper lat.nearly.
	East,on a random line bet.secs.25 and 36.
40.00	Set temp.½ sec.cor.
79.96	Intersect E.bdy.of Tp.,4 lks.N.of the cor.of secs.25,30,31, and 36,which is an iron post,3 ins.dia.,and projecting 12 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Thence I run
	N.89°58'W.,on a true line bet.secs.25 and 36.
	Over nearly level land;through dense undergrowth.
19.70	Road,bears N.50°W.and S.50°E.
27.80	Western Union Telegraph line,bears N.50°25'W.and S.50°25'E.
30.40	Western Pacific R R Track,bears N.50°25'W.and S.50°25'E.
31.43	Western Union Telegraph line,bears N.50°25'W.and S.50°25' E.
35.74	Telephone line from Delle to Low,bears N.50°25'W.and S.50°25'E.
39.98	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap ¼ S.25 S.36 1913 Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.,and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
55.20	Road,bears N.50°W.and S.50°E.
79.96	The cor.of secs.25,26,35,and 36.
	Land,level.

Chains

Soil,clay loam and clay;2nd and 3rd rate.Some alkali.

No timber.

Undergrowth,shadscales.

A very little grass.

Land covered with dense undergrowth,79.96 chs.

N.0°01'W.,bet.secs.25 and 26.

Over nearly level land;through dense undergrowth.

Asc.gradually.

22.70 Road,bears N.50°W.and S.50°E.

39.60 Western Union Telegraph line,bears N.50°25'W.and S.50°25'E.

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

¼ S 26 | S 25

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

40.15 Western Union Telegraph line,bears N.50°25'W.,and S.50°25'E.

41.06 Western Pacific R.R.track,bears N.50°25'W.and S.50°25'E.

43.09 Western Union telegraph line,bears N.50°25'W.and S.50°25'E.

48.40 Road,bears N.50°W.and S 50°E.

80.00 Set an iron post,3 ft.long,2 ins. dia.,24 ins.in the ground,for cor.of secs.23,24,25,and 26,mkd.on brass cap

T 1 N	R 9 W
S 23	S 24
S 26	S 25

1913

And dig pits,18x18x12 ins.in each sec.5½ ft.dist.and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,nearly level sloping gently to the south.

Soil,clay and gravelly;3rd rate.Some alkali.

No timber.

Undergrowth,shadscales (short)

A very little grass.

Chains	
	Land covered with dense undergrowth 80.00 chs.
	S.89°58'E., on a random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect E. bdy. of Tp. 10 lks. N. of the cor. of secs. 19, 24, 25 and 30, which is an iron post 3 ins. dia., and projecting 12 ins. above ground, firmly set and mkd. and witnessed as described by the surveyor general.
	Thence I run
	N.89°54'W. on a true line bet. secs. 24 and 25.
	Over nearly level land, through dense undergrowth.
6.45	Road, bears N.70°W. and S.70°E.
9.15	Wash, 20 lks. wide, 3 ft. deep, course S.30°E.
14.05	Road, bears N.50°W. and S.50°E.
39.97	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the groumd for ¼ sec. cor. mkd. on brass cap
	¼ S 24 / S 25 1913
	dig pits 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
43.95	Road, bears N.80°W. and S.80°E.
79.94	The cor. of secs. 23, 24, 25 and 26.
	Land, gently rolling.
	Soil, clay loam, 2nd and 3rd rate.
	Subsoil, clay, some alkali.
	No timber.
	Undergrowth, shadscales.
	Good grass in patches.
	Land covered with dense undergrowth 79.94 chs.
	May 5, 1913.
	May 5, 1913: At 7h 57m a.m., l.m.t., I set off 40°48'N. on the lat. arc, 16°13'N. on the decl. arc, and deter-

SUB. T. 1 N., R. 9 W.

Chains

mine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26.

Thence I run

N.0°01'W. bet. secs. 23 and 24.

Over nearly level land, through dense undergrowth.

Asc. gradually.

4.65 Road, bears E. and W.

8.00 Begin ascent of mountain, bears E. and W.

10.00 Main road, bears E. and W.

13.75 Freight road, bears N.60°E. and S.60°W.

34.00 Rocky spur, bears E. and W.

Desc.

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

¼ S 23 | S 24
1913

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

73.00 Wash, 20 lks. wide, 2 ft. deep, course E.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 13, 14, 23 and 24, mkd. on brass cap

T 1 N | R 9 W
S 14 | S 13
S 23 | S 24
1913

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

S. 8.00 chs. nearly level valley, clay loam, 2nd rate.

N. 72.00 chs. east slope of ridge, gravelly and rocky soil.

No timber.

Shadscale undergrowth on entire mile.

Good grass for grazing on the slope.

Mountainous land or land covered with dense undergrowth, 80.00 chs.

May 5, 1913: At this cor. I set off 16°15'N. on the decl. arc, and at 11h 57m a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is 40°49'N., which is the proper lat. nearly.

Chains	
	S.89°54'E.,on a random line bet.secs.13 and 24.
40.00	Set temp. ¼ sec.cpr
80.02	Intersect E.bdy.of Tp.,3 lks.N.of the cor.of secs.13,18,19, and 24,which is an iron post,3 ins.dia.,extending 12 ins. above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Thence I run
	N.89°53'W.,on a true line bet.secs.13 and 24.
	Over mountainous land;through dense undergrowth.
	Asc.
2.00	Rocky ridge,bears N.and S.
16.00	Foot of descent,300 ft.below ridge,bears N.and S.
	Thence across valley.
22.00	Wash,100 lks.wide,20 ft.deep,course S.
24.90	Road,bears N.15°W.and S.15°E.
32.00	Wash,50 lks.wide,15 ft.deep,course S.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	¼ S 13 / S 24 / 1913
	Dig pits,18x18x12 ins.E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
46.45	Gulch,200 lks.wide,10 ft .deep,course S.10°E.
53.00	Wash,50 lks.wide,10 ft.deep,course S.10°E.
59.50	Road,bears N.and S.
68.00	Begin ascent of mountain,bears N.and S.
80.02	The cor.of secs.13 14,23,and 24.
	Land,mountainous and level.
	Soil,rocky on ridges and sandy loam in flat;2nd and 3rd rate.Subsoil clay in flat and rock and gravel on ridges.
	No timber.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.02 chs.

Chains

N.0°01'W.,bet.secs.13 and 14.

Over mountainous land;through dense undergrowth.

Ascend over limestone and conglomerate ledges from 5 ft.to 15 ft.high.

6.20 Rocky ledge,10 ft.high,bears E.and W.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the round,for ¼ sec.cor.mkd.on brass cap

¼ S 14	S 13

1913

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

48.00 Bottom of hollow,course SE.

Asc.

62.00 Ridge,100 ft.above hollow,bears NW and SE.

Desc.

80.00 Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.11,12,13,and 14,mkd.on brass cap

T 1 N.R 9 W.

S 11	S 12
S 14	S 13

1913.

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

Land,mountainous and rough.

Soil,rocky;3rd rate.

No timber.

Undergrowth,shadscales.

Good grass for grazing.

Mountainous land;or land covered with dense undergrowth.

80.00 chs.

May 5,1913.

May 6,1913.:At 7 h 57 m a.m.,l.m.t.,I set off 40°50'N.,on the lat.arc;16°30'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.11,12,13,and 14.

Thence I run

S.89°[illegible]'E.,on a random line bet.secs.12 and 13.

Chains	
40.00	Set temp,¼ sec.cor.
80.06	Intersect E.bdy.of Tp.,7 lks.N.of the cor.of secs.7,12,13, and 18,which is an iron post,3 ins.in dia.,and extending 12 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Thence I run N.89°50'W.,on a true line bet.secs.12 and 13.
	Over nearly levelland;through dense undergrowth.
	Desc.gradually.
19.00	Wash,50 lks.wide,15 ft.deep,course S.60°W.
21.10	road,bears N.and S.
25.20	Wash,100 lks.wide,15 ft.deep,course S.
38.80	Road,bears N.10°W.and S.10°E.
40.03	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 12 / S 13 1913
	Dig pits,18x18x12 ins.E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
52.00	Begin ascent of mountain,bears NE and SW.
68.60	Wash,20 lks.wide,6 ft.deep,course S.30°E.
80.06	The cor.of secs.11,12,13,and 14.
	Land,mountainous and nearly level.
	Soil,clay loam;2nd rate in valley and gravelly and rocky on mountain slope;subsoil,clay in valley and gravel on mountain slope.
	No timber.
	Undergrowth,shadscales and sage brush.
	Good grass for grazing.
	Mountainous land or land covered with dense undergrowth, 80.06 chs.
	May 6,1913:At this cor.I set off 16°32'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°50'N.,which is the proper lat.nearly.

Sub.T.1 N.,R.9 W.-Continued.

Chains	
	N.0°01'W.,bet.secs.11 and 12.
	Over mountainous land;through dense undergrowth.
	Along east slope of ridge.
16.00	Gulch,30 ft.deep,course S.75°E.
36.00	Enter scattering timber,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap
	½ S 11 | S 12 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
40.70	Rocky ridge,200 ft.above cor.,bears N.70°W.and S.70°E.
	Desc.
45.00	Bottom of hollow,300 ft.below ridge,course S.70°E.
	Asc.
50.50	Point 4.00 chs.east of peak on high ridge.
66.00	Gulch,175 ft.deep,course E.
	Asc.
74.30	Top of ridge,200 ft.above gulch,bears E.and W.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,14 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.12,11,and 12,mkd.on brass cap
	T 1 N. R 9 W. S 2 | S 1 S 11 | S 12 1913.
	from which
	A cedar,12 ins.dia.,bears N.6°35'E.,18 lks. dist..mkd.T 1 N R 9 W S 1 B T.
	A cedar,10 ins.dia.,bears S.6°20'E.,68 lks. dist..mkd.T 1 N.R 9 W S 12 B T.
	A cedar,15 ins.dia.,bears S.35°35'W.,43 lks. dist..mkd.T 1 N R 9 W S 11 B.T.
	A cedar,10 ins.dia.,bears N.50°30'W.,35 lks. dist..mkd.T 1 N.R 9 W S 2 B T.
	Land,mountainous rough east slope.
	Soil,gravelly and rocky;3rd rate.about 6 ins.deep,subsoil rock and gravel.

Chains	
	Timber,cedar and pinon pine.
	Undergrowth,sage brush and shadscales.
	Good grass for grazing.
	Mountainous land or land covered with dense undergrowth,
	80.00 chs.
	May 6,1913.
	May 7,1913:At 7 h 56m a.m.,l.m.t.,I set off 40°50'N.,on the lat.arc;16°47'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.1,2,11 and 12.
	Thence I run
	S.89°50'E.,on a random line bet.secs.1 and 12.
40.00	Set temp.½ sec.cor.
80.10	Intersect E.bdy.of Tp.,2 lks.N.of the cor.of secs.1,6, 7,and 12.,which is an iron post,3 ins.dia.,extending 12 ins above the ground,firmly set and mkd.and witnessed as described by the surveyor general.
	Thence I run
	N.89°49'W.,on a true line bet.secs.1 and 12.
	Over mountainous land;through scattering cedar and dense undergrowth.
	Desc.
23.10	Bottom of hollow,200 ft.below sec.cor.,course S.15°W.
	Asc.
28.00	Rocky knoll 50 ft.high.
39.60	Hollow,30 ft.below knoll,course S.
	Enter heavy timber,bears N.and S.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap
	¼ S 1 / S 12 1913
	From which
	A cedar,10 ins.in dia.,bears N.44°W.,33 lks. dist.,mkd.½ S 1 B T.

Sub.T.1 N.,R.9 W.-Continued.

Chains

A cedar,10 ins.dia.,bears S.2°W.,8 lks.
dist..mkd.½ S 12 B T.

41.50 Sandy ridge,20 ft.high,bears N.and S.

Desc.

42.85 Hollow,20 ft.deep,course S.30°E.

Asc.

80.10 The cor.of secs.1,2,11,and 12. 800 ft.above hollow.

Land,mountainous.

Soil,gravelly and rocky;3rd rate.about 1 ft.deep,subsoil, gravel and rock.

Timber,cedar and piñon pine.

Undergrowth,sage and shadscales.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.10 chs.

May 7,1913:At this cor.I set off 16°49'N.,on the decl.arc;a and at 11 h.56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°50'N.,which is the proper lat.nearly.

Note:Knowing from connection already made that the line bet secs.1 and 2 will not intersect the north bdy.of Tp.within limits;I run N.0°01'W.,on a true line bet.secs.1 and 2.

Over mountainous land;through heavy timber and dense undergrowth.

Asc.

5.10 Ridge,20 ft.above cor.,bears N.30°E.and S.30°W.

Desc.

13.00 Top of spur,20 ft.below ridge,bears E.and W.

Desc.

22.00 Bottom of hollow,250 ft.below spur,course N.60°W.

Asc.

32.00 Spur,30 ft.above hollow,bears E.and W.

Desc.

Chains

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 2 | S 1
1913

From which

A cedar,10 ins.dia.,bears N.45°50'E.,21 lks. dist..mkd.½ S 1 B T.

A cedar,10 ins.dia.,bears N.78°30'W.,77 lks. dist..mkd.½ S 2 B T.

40.75 Hollow,25 ft.below ridge,course W.

Asc.

47.80 Rocky ridge,50 ft.above hollow,bears E.and W.

Desc.

53.00 Rocky gulch,100 ft.below ridge,course W.

Asc.over limestone ledges.

Leave heavy and enter scattering timber,bears E.and W.

85.35 Intersect N.bdy.of Tp.,4.39 chs.N.89°57'W.,of the cor.of secs.1,2,35,and 36,which is a limestone 12x9x9 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for closing cor.of secs.1 and 2,mkd.on brass cap

T 2 N R 9 W
S.35 | S 36

S 2 C C S 1
T 1 N R 9 W
1913.

from which

A cedar,18 ins.dia.,bears S.37°30'E.,27 lks. dist..mkd.T 1 N R 9 W.S 1 B T.

A cedar,6 ins.dia.,bears S.24°15'W.,36 lks. dist..mkd.T 1 N R 9 W.S 2 B T.

Note:I destroy all marks on the cor.of secs.1,2,35,and 36, which pertain to secs.1 and 2.

Land,mountainous.

Soil,rocky and gravelly;3rd rate.

Timber,cedar and pinon pine.

Undergrowth,sage brush.

Good grass for grazing.

Sub.T.1 N.,R.9 W.-Continued.

Chains

Mountainous or heavily timbered land,or land covered with dense undergrowth,85.35 chs.

May 7,1913.

Robert H. Dalton

U.S.Transitman.

Survey commenced May 2,1913,and executed with a Keuffel & Esser light mountain transit No.20578,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 and declination arcs.

The instrument was examined,tested on the meridian at Salt Lake City,found correct,and was approved by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys.

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 p.m.and a.m.hours with a meridian established by observation on Polaris,I proceed as follows: At the standard cor.of secs.34 and 35,on S.bdy.of Tp.,latitude 40°46'04"N.,longitude 112°50'59"W.,I set off 40°46'N., on the lat.arc;15°26'N.,on the decl.arc;and at 3 h 57 m p.m.,l.m.t.,I determine a meridian with the solar,and mark a point thereof on a stone firmly set in the ground,5.00 chs.N.of the cor.

May 2,1913.

May 3,1913.At 4 h 49 m a.m.,l.m.t., I observe Polaris at eastern elongation,in accordance with the Manual and mark a point in the line thus determine by a tack driven

Chains

in a wooden plug set in the ground,5.00 chs.N.of the cor.
At 8 h 30 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1°31'to the west,and mark the meridian thus determined by a groove cut in the stone already set 5.00 chs.N.of the cor.;this mark fall 0.38 ins.east of the meridian determined with the solar.
At 7 h 57 m a.m.,l.m.t.,I set off 40°46'N.,on the lat.arc 15°38'N.,on the decl.arc;and mark the meridian determined with the solar,by a cross on the stone already set 5.00 chs.N.of the cor.;this mark falls 0.29 ins.east of the meridian established by Polaris observation.
The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'20"west and 0'15"east of the meridian established by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the meridian at 8 h 30 m a.m.,is N N.16°45'W.,the angle thus determined gives the mag.decl. 16°45'E.

From the standard cor.of secs.34 and 35,on S.bdy.of Tp. which is an iron post,3 ins.dia.,extending 12 ins.above ground,firmly set and mkd.and witnessed as described by the surveyor general.
Thence I run
N.0°02'W.,bet.secs.34 and 35.
Over gently rolling valley through dense undergrowth.

40.00 Set an iron post,3 ft.long,1 ins.in dia.,26 ins.in the ground,for ½ sec.cor.mkd.on brass cap

½ S 34 | S 35
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

54.20 Wash,6 lks.wide,3 ft.deep,course SE.

59.65 Road,bears N.60°E.and S.60°W.

Chains

80.00 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,mkd.on brass cap

T 1 N R 9 W
S 27 | S26
S 34 | S 35
1913.

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,rolling valley in north end of Skull valley.Sloping and draining northeasterly.

Soil,sandy and clay 3 or 4 ft.deep.Good quality.

Subsoil,clay.

Undergrowth,sage and greasewood.

No timber.

Some grass.

Land covered with dense undergrowth,80.00 chs.

East,on random line bet.secs.26 and 35.

40.00 Set temp.½ sec.cor.

79.98 Intersect N.and S.line,2 lks.S.of the cor.of secs.25,26,3 35,and 36.

Thence I run

S.89°59'W.,on a true line bet.secs.26 and 35.

Over rolling land in Skull valley;through dense undergrowth.

35.00 Wash,260 lks.wide,3 ft.deep,course S.10°E.

39.99 Set iron.post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap

½ S 26
S 35
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

50.50 Road,bears N.70°W.and S.70°E.

79.98 The cor.of secs.26,27,34,and 35.

Land,rolling valley sloping gently to the southeast.

Chains

Soil,sandy clay loam from 2 to 4 ft.deep,from 1st to 3rd rate.

No timber.

Undergrowth,sage and shadscales and greasewood.

Very little grass.

Land covered with dense undergrowth,79.98 chs.

May 3,1913:At this cor.I set off 15°41'N.,on the Decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°47'N.,which is the proper lat.nearly.

N.0°02'W.,bet.secs.26 and 27.

Over rolling valley through dense undergrowth.

Asc.gently.

9.75 Road,bears N.75°W.and S.75°E.

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

¼ S 27 | S 26
1913

Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

56.20 Road,bears N. 50°E.and S.50°W.

80.00 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,mkd.on brass cap

T 1 N R 9 W
S 22 | S 23
S 27 | S 26
1913.

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,rolling valley.

Soil,sandy loam;3rd rate about 3 ft.deep,some alkali.Subs soil,clay.

No timber.

Undergrowth,bad sage and shadscales.

Some grass.

Sub.T.1N.,R.9 W.-Continued.

Chains

Land covered with dense undergrowth,80.00 chs.

N.89°59'E.,on a random line bet.secs.23 and 26.

40.00 Set temp.½ sec.cor.

79.98 Intersect N.and S.line,7 lks.S.of the cor.of secs.23,24, 25,and 26.

Thence I run

S.89°56'W.,on a true line bet.secs.23 and 26.

Over rolling valley.

Through dense undergrowth.

Asc.gradually.

13.80 Road,bears N.and S.

20.00 Low sand ridge,25 ft.high,bears N.and S.

Desc.

30.75 Road,bears NW and SE.

39.99 Set aniron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,kmkd.on brass cap

¼ S 23
S 26
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist. and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor

44.46 Western Union Telegraph line,bears N.50°20'W.and S.50° 20'E.

47.00 Western Pacific R.R.track,bears N.50°20'W.and S.50° 20'E.

48.05 Western Union Telegraph line,bears N.50°20'W.and S.50° 20'E.

49.05 Road,from Delle,to Low,bears N.50°20'W.and S.50°20'E.

52.20 Telephone line from Delle to Low,bears NW and SE.

61.20 Road,Delle to Low,bears NW and SE.

72.30 Swale,30 ft.deep,course S.20°E.

Asc.

79.98 The cor.of secs.22,23,26,and 27.

Land,rolling valley.

Soil,sandy clay loam 2 to 4 ft.deep subsoil,clay.

Chains

No timber .

Good grass for grazing.

Land covered with dense undergrowth,79.98 chs.

May 3,1913.

May 5,1913:At 7 h 57 m a.m.,l.m.t.,I set off 40°48'N.,on the lat.arc;16°13'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.22,23,26,and 27.

Thence I run

N.0°02'W.,bet.secs.22 and 23.

Over rolling.land.in Skull valley;through dense.undergrowth.

Desc.gradually.

9.00 Swale,30 ft.deep,course SE.

Asc.

14.90 Road,bears N.60°W.and S.60°E.

19.00 Road,bears N.65°W.and S.65°E.

22.90 Telephone line Delle to Low,bears N.50°20'W.and S.50°20'E

26.50 Western Union Telegraph line,bears N.50°20'W.and S.50° 20'E.

27.35 Western Pacific R.R track,bears N.50°20'W.and S.50°20'E.

29.45 Western Union telegraph line,bears N.50°20'W.and S.50°20' E.

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

¼ S 22 | S 23
1913

Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist. and raise a mound of earth,3½ ft.base,;;1½ ft.high,W.of cor.

59.75 Road,bears NW and SE.

80.00 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,mkd.on brass cap

Sub.T.1 N.R.9 W.-Continued.

Chains

T 1 N R 9 W

S 15	S 14
S 22	S 23

1913.

Dig pits,18x18x12 ins.in each sec.5 ½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land rolling valley.

Soil,sandy loam;2nd rate.Subsoil clay some alkali.

No timber.

Undergrowth,shadscales greasewood and bud sage.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

N.89°56'E.,on a random line bet.secs.14 and 23.

40.00 Set temp.½ sec.cor.

80.00 Intersect N.and S.line,9 lks.N.of the cor.of secs.13,14, 23,and 24.

Thence I run

West,on a true line bet.secs.14 and 23.

Over mountainous land;through dense undergrowth.

Asc.ridge.

22.50 Top of ridge,200 ft.above cor.,bears NE and SW.

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.mkd.on brass cap

½ S 14

S 23

1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

46.00 Hollow,250 ft.below ridge,course N.80°W.

Asc.

51.00 Top of spur,350 ft.above hollow,bears N.10°W.and S.10°E.

Desc.

66.00 Wash,50 lks.wide,3 ft.deep,course S.

Foot of descent 300 ft.below spur,enter Skull Valley, bears N and S.

Chains	
80.00	The cor. of secs.14,15,22,and 23.
	Land,mountainous and nearly level.
	Soil,gravelly and rocky on mountainous landand sandy clay loam in valley.Subsoil,gravel and clay.
	No timber.
	Undergrowth,bud sage and greasewood.
	Good grass for grazing.
	May 5,1913:At this cor.I set off 16°15'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°49'N.,which is the proeper lat.nearly.
	N.0°02'W.,bet.secs.14 and 15.
	Over rolling valley;through dense undergrowth.
	Desc.gradually.
10.00	Leave valley,ascend foot hills,bears E.and W .
23.50	Top of spur,175 ft.above valley,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.mkd.on brass cap ½ S 15 | S 14 1913 And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
45.75	Bottom of hollow,75 ft.below spur,course S.60°W.
	Asc.
61.50	Top of spur,150 ft.above holllow,projects W.
	Desc.
73.70	Bottom of hollow,120 ft.below spur,course S.70°W.
	Asc.
79.50	Top of spur,100 ft.above hollow,bears NE and SW.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.10,11,14,and 15,mkd.on brass cap T 1 N R 9 W S 10 | S 11 S 15 | S 14 1913

Chains

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

Land,rolling valley and rocky foot hills.

Soil,clay in valley and gravelly and rocky on foot hills

No timber.

Undergrowth,shadscales and bud sage.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

May 5,1913.

May 6,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°50'N.,on the lat.arc;16°30'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.10,11,14,and 15

Thence I run

East,on a random line bet.secs.11 and 14.

40.00 Set temp,¼ sec.cor.

80.06 Intersect N.and S.line,9 lks.N.of the cor.of secs.11,12, 13.and 14.

Thence I run

N.89°56'W.,on a true line bet.secs.11 and 14.

Over mountainous land;through dense undergrowth.and scattering timber.

Asc.

10.50 Top of spur,200 ft.above cor.,bears N.and S.

Desc.

12.40 Bottom of hollow,100 ft.below cor.,course S.

Asc.

19.20 Main ridge,300 ft.above hollow,bears N.and S.

Desc.

40.03 Set an iron post,3 ft.long,2 ins.in dia. 26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap

¼ S 11

S 14
1913

From which

A cedar,5 ins.dia.,bears N.28°W.,98 lks.

Chains

dist..mkd.$\frac{1}{2}$ S 11 B T.

A cedar,4 ins.dia.,bears S.30°E.,29 lks.

dist..mkd.$\frac{1}{2}$ S 14 B T.

42.00 Leave timber,bears N.and S.

63.60 Bottom of hollow,800 ft.below ridge,course S.60°W.

Asc.

79.00 Top of spur,75 ft.above hollow,bears NE and SW.

Desc.

80.06 The cor.of secs.10,11,14,and 15.

Land,mountainous .

Soil,rocky and gravelly;3rd rate.

Subsoil,gravel and rock;

Timber,cedar

Undergrowth,dense sage and shadscales.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.06 chs.

May 6,1913:At this cor.I set off 16°32'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°50'N.,which is the proper lat.nearly.

N.0°02'W.,bet.secs.10 and 11.

Over mountainous land;through dense undergrowth.

Desc.along west slpoe of mountain.

40.00 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for $\frac{1}{4}$ sec.cor..mkd.on brass cap

$\frac{1}{4}$ S 10 | S 11
1913

From which

A cedar16 ins.dia.,bears S.8°E.,162 lks.

dist..mkd.$\frac{1}{2}$ S 11 B T.

A cedar,10 ins.dia.,bears S.66°W.,238 lks.

dist..mkd.$\frac{1}{2}$ S 10 B T.

48.50 Bottom of hollow,50 ft.below $\frac{1}{2}$ sec.cor.,course W;

Asc.

Chains

54.60 Top of spur,75 ft.above hollow,bears NE and SW.

67.10 Bottom of hollow,100 ft.below spur,course W.

Asc.

72.50 Top of spur,100 ft.above hollow,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.2,3,10,and 11,mkd.on brass cap

T 1 N R 9 W
S 3 | S 2
S 10 | S 11
1913.

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

Land,rough and broken west slope of mountain.

Soil,gravelly and rocky 12 ins.deep.

Subsoil,rock and cemented gravel.

No timber.

Undergrowth,sage and shadscales.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

May 6,1913.

May 7,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°50'N.,on the lat.arc;16°47'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.2,3,10,and 11.

Thence I run

S.89°56'E.,on a random line bet.secs.2 and 11.

40.00 Set temp.¼ sec.cor.

80.16 Intersect N.and S.line,5 lks.S.of the cor.of secs.1,2,11, and 12.

Thence I run

N.89°58'W.,on a true line bet.secs.2 and 11.

Over mountainous land;through heavy timber and scattering undergrowth.

Asc.

Chains	
2.00	Top of main ridge,25 ft.above cor.,bears N.and S.
	Desc.
20.00	Bottom of hollow,300 ft.below ridge,course S.70°W.
	Asc.
34.50	Top of ridge,50 ft.above hollow,bears N.70°E.and S.70°W.
	Desc.
40.08	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ½ sec.cor.mkd.on brass cap
	¼ S 2 / S 11 1913
	And from which
	A cedar,6 ins.dia.,bears N.31°W.,86 lks. dist..mkd.½ S 2 B T.
	A cedar,8 ins.dia.,bears S.42°W.,206 lks. dist..mkd.½ S 11 B T.
80.00	Bottom of hollow,800 ft.below ridge,course N.10°W.
	Leave timber,bears N.and S.
	Asc.
80.16	The cor.of secs.2,3,10,and 11.
	Land,rough and rocky mountain ridges and hollows.
	Soil,gravelly and rocky;3rd rate.
	Timber,cedar.
	Undergrowth,shadscales and sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.16 chs.
	May 7,1913:At this cor.I set off 16°49'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°50'N.,which is the proper lat.nearly.

Note:For reasons already expalained I run N.0°2'W.,bet.secs.2 and 3.

Chains	
	Over rolling foot hills;through dense undergrowth.
	Desc.
1.90	Bottom of hollow,25 ft.below cor.,course NW.
	Asc.
8.30	Top of spur,75 ft.above hollow,bears E.and W.
	Desc.
29.10	Bottom of hollow,100 ft.below ridge,course NW.
	Asc.
34.80	Road,bears E.and W.
	Leave valley,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap ¼ S 3 | S 2 1913 From which A cedar,12 ins.in dia.,bears N.83°E.,128 lks. dist..mkd.¼ S 2 B T. A cedar,18 ins.dia.,bears N.59°W.,161 lks. dist..mkd.¼ S 3 B T.
56.70	Wash,60 lks.wide,3 ft.deep ,course W.
74.50	Sand ridge,60 ft.above wash,bears E.and W.
	Desc.
78.20	Bottom of hollow,50 ft.below ridge,course W.
	Asc.
85.54	Intersect N.bdy.of Tp.,4.06 chs.S.89°57'W.,of the cor. of secs.2,3,34,and 35,which is a limestnne,12x10x4 ins. above ground,firmly set,and mkd.and witnessed as described by the surveyor general. Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.2 and 3,mkd.on brass cap T 2 N R 9 W S 34 | S 35 S 3 C C S 2 T 1 N R 9 W 1913. Dig pits,24x18x12 ins.crosswise on each line E and W of post,3 ft.dist.;and S.of post,7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,S.of cor. Note:I destroy all marks on the cor.of secs.2,3;34,and

Chains

35,which pertain to secs.2 and 3.

Land,rolling foot hills.

Soil,sandy loam;2 ft.deep,2nd rate.

Timber,a few scattering cedars.

Undergrowth,shadscales and greasewood.

Good grass for grazing.

May 7,1913.

John R Stewart

U.S.Surveyor.

May 8,1913.At 7 h 56 m a.m.,l.m.t.,I set off 40°46'N.,on the lat.arc;17°03'NW,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.33 and 34,on S.bdy.of Tp.,which is an iron post,3" ins.dia.,extending 12 ins.above ground,firmly set and mkd.and witnessed as described by the surveyor general.

Thence I run

N.0°[illegible]2'W.,bet.secs.33 and 34.

Over rolling foot hills sloping eastward into Skull valley

24.45 Wash,20 lks.wide,6 ft.deep,course S.80°E.

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

¼ S 33 | S 34
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

49.75 Road,bears N.60°E.and S.60°W.

80.00 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,mkd.on brass cap

T.1 N R.9 W
S 28 | S 27
S 33 | S 34
1913

Dig pits,18x18x12 ins.,in each sec5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Chains	
	Land rolling foot hills sloping east.
	Soil,gravelly and clay loam;2 ft.4 ft.deep,subsoil clay.
	No timber.
	Undergrowth,greasewood and shadscales.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	East on a random line bet.secs.27 and 34.
40.00	Set temp.¼ sec.cor.
79.96	Intersect N.and S.line,2 lks.S.of the cor.of secs.26,27,34 and 35.
	Thence I run
	S.89°59'W.,on a true line bet.secs.27 and 34.
	Over nearly level valley;through dense undergrowth.
	Asc.gently.
22.70	Wash,20 lks.wide,5 ft.deep,course S.20°E.
38.10	Road,bears N.5°W.and S.5°E.
39.98	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap ½ S 22 / S 27 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
50.00	Leave valley and begin ascant over rolling foot hills, bears N.and S.
59.60	Top of ridge,40 ft.above valley,bears NW and SE
	Desc.
79.96	The cor.of secs.27,28,33,and 34.
	Land,valley and rolling foot hills.
	Soil,clay loam about 3 ft.deep,on hard clay subsoil in valley;gravelly and rocky patches on hills.
	No timber.
	Undergrowth,short shadscales and bud sage.

Chains

Good grass for grazing.

Land covered with dense undergrowth,79.96 chs.

May 8,1913:At this cor.I set off 17°05'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°47'N.,which is the proper lat.nearly.

N.0°02'W.,bet.secs.27 and 28

Over rolling foot hhills;through dense undergrowth.

Desc.

32.90 Wash,75 lks.wide,2 ft.deep,course N.70°E.

34.00 Road,bears N.70°E.and S.70°W.

40.00 Set an ion post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.mkd.on brass cap

½ S 28 | S 27
1913

And dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.; and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

40.90 Road,bears NW and SE.

65.00 Leave foot hills and enter Skull Valley,bears N.30°W.and S.30°E.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.21,22,27,and 28,mkd.on brass cap

T 1 N R 9 W

S 21	S 22
S 28	S 27

1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,rolling foot hills and valley.

Soil,sandy loam about 3 ft.deep,subsoil,clay and gravel.

No timber.

Undergrowth,bud sage and shadscales .

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

May 8,1913.

Chains

May 9,1913:At 7 h 56 m a m.,l.m.t.,I set off 40°48'N.,on the lat.arc;17°19'N.,on the decl.arc;and determine a meridianewith the solar,at the cor.of secs.21,22,27,and 28.

Thence I run

N.89°59'E.,on a random line bet.secs.22 and 27.

40.00 Set temp.¼ sec.cor.

79.94 Intersect N.and S.line,at the cor.of secs.22,23,26,and 27.

Thence I run

S.89°59'W.,on a true line bet.secs.22 and 27.

Over over rolling land in Skull Valley.

Through dense undergrowth.

Asc.gradually.

2.50 Top of sand ridge,25 ft.high,bears N.and S.

39.97 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 22
S 27
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

75.90 Road,bears N.40°W.and S.40°E.

79.94 The cor.of secs.21,22,27,and 28.

Land rolling valley.

Soil,sandy loam;3 or 4 ft.deep,aught to be good for dry farming.

Subsoil,clay .

No timber.

Undergrowth,bud sage and shadscales.

Good grass for grazing.

Land covered with densexundergrowth,79.94 chs.

N.0°02'W.,bet.secs.21 and 22.

Over nearly level valley;through dense undergrowth,

5.05 Road bears NW and SE.

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

Chains	
	ground,for ½ sec.cor.,mkd.on brass cap
	¼ S 21 | S 22
	1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist;and
	raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
59.00	Road,bears N.60°W.and S.60°E.
77.40	Wash,260 lks.wide,4 ft.deep,course S.60°E.
80.00	Set an iron post,3 ft.long,2 ins.in the dia.,24 ins.in the
	ground,for cor.of secs.15,16,21,and 22,mkd.on brass cap
	T 1 N R 9 W
	S 16 | S 15
	S 21 | S 22
	1913.
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise
	a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,nearly level.
	Soil,sandy and clay loam from 1 to 3 ft.deep,on hard caly
	subsoil;.
	No timber.
	Undergrowth,bud sage and shadscales.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	May 9,1913.:At this cor.I set off 17°22'N.,on the decl.
	arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on th
	meridian the resulting lat.is 40°49'N.,which is the
	proper lat.nearly.
	———
	N.89°59'N.,on a random line bet.secs.15 and 22.
40.00	Set temp.½ sec.cor.
79.94	Intersect N.and S.line,at the corner of sections 14,15,
	22,and 23.
	Thence I run
	S.89°59'W.,on a true line bet.secs.15 and 22.
	Over nearly level land;through dense undergrowth.
21.00	Road,bears N.25°W.and S.25°E.
22.40	Road,bears NW and SE.
39.97	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Sub .T.1 N.,R.9 W.-Continued.

Chains	
	ground, for ¼ sec.cor.mkd.on brass cap
	¼ S 15 / S 22 1913
	Dig pits, 18x18x12 ins., E.and W.of post, 3 ft.dist.; and raise a mound of earth, 3½ ft.base, 1½ ft.high, N.of cor.
54.70	Wash, 50 lks.wide, 3 ft.deep, course S.20°E.
60.80	Western Union Telegraph line bears N.50°20'W.and S.50°20' E.
63.60	Western Pacific Railroad track, bears N.50°20'W.and S.50° 20'E.
64.64	Western Union telegraph line, bears N.50°20'W.and S.50°20 E.
68.95	Telephone line Delle to Low, bears N.50°20'W.and S.50°20' E.
79.94	The cor.of secs.15,16,21,and 22.
	Land rolling valley.
	Soil, sandy and clay loam from 1 to 4 ft.deep, average 2 ft
	Subsoil, clay and gravel.
	No timber.
	Undergrowth, bud sage and shadscales.
	Good grass for grazing.
	Land covered with dense undergrowth, 79.94 chs.
	———
	N.0°02'W., bet.secs.15 and 16.
	Over nearly level land in Skull Valley; through dense under growth.
9.07	Telephone line Delle, to Low, bears N.50°20'W.and S.50°20' E.
12.70	Western Union Telegraph line, bears N.50°20'W.and S.50°20' E.
13.50	Western Pacific R R track, bears N.50°20'W.and S.50°20' E.
15.98	Western Union telegraph line, bears N.50°20'W.and S.50°20' E.
23.40	Road, bears N.55°W.and S.55°E.

Chains

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

¼ S 16 | S 15
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

40.25 Wash,15 lks.wide,2 ft.deep,course SE.

44.50 Road,bears N.80°W.and S.80°E.

45.00 Road,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.9,10,15,and 16,mkd.on brass cap

T 1 N R 9 W
S 9 | S 10
S 16 | S 15
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land nearly level valley.

Soil,sandy loam about 2 ft.deep,subsoil,hard clay..

No timber.

Undergrowth,sage and shadscales.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

May 9,1913.

May 10 ,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°50'N.,on the lat.arc;17°35'N.,on the decl.arc;and determine a meridia.with the solar,at the cor.of secs.9,10,15,and 16.

Thence I run

N.89°59'E.,on a random line bet.secs.10 and 15 .

40.00 Set temp.¼ sec.cor.

79.88 Intersect N.and S.line,7 lks.S.of the cor.of secs.10,11,14 and 15.

Thence I run

S.89°56'W.,on a true line bet.secs.10 and 15.

Over mountainous land;through dense undergrowth.

Sub .T.1 N.,R.9 W.-Continued.

Chains

Desc.

12.50 Foot of descent,150 ft.below cor.,bears N.30°E.and S.30° W.

Enter Skull Valley.

39.94 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the grou d,for ¼ sec.cor..mkd.on brass cap

¼ S 10
S 15
1913

Dig pits,18x18x12 ins.E.and W.of post,3 ft.dist;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

68.70 Road,bears N.and S.

79.88 The cor.of secs.9,10,15,and 16.

E.18.50 chs.is mountainous land,west slope with rocky and gravelly soilfrom 2 to 3 ft.deep,and gravelly subsoil.

W.67.38 chs.is nearly level valley with a rich sandy loam,2 to 3 ft.deep,on clay subsoil.

No timber.

Undergrowth,shadscales and bud sage.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 79.88 chs.

N.0°2'W.,bet.secs.9 and 10.

Over nearly level land in Skull Valley.

Through dense undergrowth.

18.00 Wash;20 lks.wide,2 ft.deep,course S.30°W.

33.60 Road,bears N.30°W.and S.30°E.

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

¼ S 9 | S 10
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

70.90 Road,bears NE and SW.

Sub.T.1 N.,R.9 W.-Continued.

Chains

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,mkd.on brass cap

T 1 N R 9 W
S 4 | S 3
S 9 | S 10
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,nearly valley.

Soil,sandy loam;3 or 4 ft.deep.

No timber.

Undergrowth,shadscales.and bud sage ;

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

May 10,1913:At this cor.I set off 17°37'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat,is 40°50'N.,which is the proper lat.nearly.

N.89°56'E.,on a random line bet.secs.3 and 10.

40.00 Set temp.½ sec.cor.

79.80 Intersect N.and S.line,at the cor.of secs.2,3,10,and 11.

Thence I run

S.89°56'W.,on a true line bet.secs.3 and 10.

over mountainous land;through dense undergrowth.

Asc.

2.00 Top of spur,50 ft.above cor.,bears N.and S.

Desc.

9.00 Foot of descent,100 ft.below spur,bears N.20°E.and S.20° W.

Enter Skull Valley.

39.90 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 3
S 10
1913

Sub.T.1 N.,R.9 W.-Continued.

Chains

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

41.20 Road,bears NE and SW.

75.30 Road,bears N.30°E.and S.30°W.

78.50 Road,bears N.5°W.and S.5°E.

79.80 The cor.of secs.3,4,9,and 10.

Land,mountainous and rolling valley.

Soil,gravelly on mountainous and sandy loam in valley.

Subsoil,clay.

No timber.

Undergrowth,shadscales and bud sage.

Good grass for grazing.

Mountainous land or land covered with dense undergrowth, 79.80 chs.

Note:For resons already given I run N. 0°02'W.,on a true line bet.secs.3 and 4.

Over rolling valley,through dense undergrowth.

30.00 Enter scattering timber,bears E.and W.

35.90 Wash,120 lks.wide,8 ft.deep,course S.70°W.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 4 | S 3
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

85.59 Intersect N.bdy.of Tp.,3.49 chs.West of the cor.of secs. 3,4,33,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,mkd.on brass cap

T 2 N R 9 W
S33 | S 34

S 4 C | C S 3
T 1 | N R 9 W

Dig pits,18x18x12 ins.crosswise on each line E.and W. of post,3 ft.and S.of post,7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,S.of cor.

Chains

Note:I destroy all marks on the cor.of secs.3,4,33,and 34, which pertain to secs.3 and 4.

Land,level valley and rolling hills.

Soil,sandy loam from 3 ft 6ft.deep,2nd rate.

Subsoil,clay.

Timber,cedar .

Undergrowth,shadscales ,greasewood,and bud sage .

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

85.59 chs.

May 10,1913.

Robert D Dalton

U.S.Transitman.

May 12,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°46'N., on the lat.arc;18°06'N.,on the decl.arc;and determine a meridian with the solar,at St. cor.of secs.32 and 33, on S.bdy.of Tp.,which is an iron post,3 ins.in dia., extending 12 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

Thence I run

N.0°03'W.,bet.secs.32 and 33.

Over foot hills;through dense undergrowth.

16.70 Begin descent,bears NE and SW.

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

¼ S 32 | S 33
1913

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

41.00 Head of wash,20 lks.wide,6 ft.deep,course N.15°E.

Enter valley,bears N.15°E.and S.15°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,mkd.on brass cap

Chains

T 1 N R 9 W

S 29 S 28

S 32 S 33

1913

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

Land,rolling valley.

Soil,gravelly loam with some rocky patches;2nd and 3rd rate.

Subsoil,gravel and clay.

No timber.

Undergrowth,bud sage.

A little grass.

Land covered with dense undergrowth,80.00 chs.

East,on a random line bet.secs.28 and 33.

40.00 Set temp.¼ sec.cor.

79.96 Intersect N.and S.line,7 lks.N.of the cor.of secs.27,28,33,and 34.

Thence I run

N.89°57'W.,on a true line bet.secs.28 and 33.

Over rolling foot hills;through dense undergrowth.

Asc.

6.90 Road,bears N.and S.

31.00 Enter scattering timber,bears N.and S.

32.50 Top of ridge,175 ft.above cor.,bears N.and S.

Desc.

39.98 Set an iron post,3 ft.long,1 in.in dia.,18 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor.mkd.on brass cap

¼ S 28

S 33

1913

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

40.50 Bottom of hollow,75 ft.below ridge,course N.10°E.

Asc.

42.00 Top of ridge,40 ft.above hollow,bears N.10°E.and S.10°W.

Desc.

61.00 Wash,25 lks.wide,7 ft.deep,course NE.

Chains	
	Enter flat,bears NE and SW.
79.96	The cor.of secs.28,29,32,and 33.
	Land,rolling foot hills and nearly level flat.
	Soil,sandy loam about 18 ins.deep,with patches of hard gravel and rock.Subsoil cemented gravel.
	Timber,cedar ,scattering .
	Undergrowth,sage brush,rabbit brush and some greasewood.
	A little grass.
	Land covered with dense undergrowth,79.96 chs.
	N.0°03'W.,bet.secs.28 and 29.
	Over rolling land;through scattering timber and dense undergrowth.
1.30	Road,bears NE and SW.
19.70	Wash,30 lks.wide,10 ft.deep,course E.
20.30	Road,bears E.and W.
22.30	Wash,20 lks.wide,3 ft.deep,course NE.
28.00	Wash,25 lks.wide,4 ft.deep,course N.60°E.
32.60	Wash,200 lks.wide,30 ft.deep,course E.
34.60	Knoll 25 ft.high.
35.20	Swale,30 ft.deep,course E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 29 | S 28 19 | 13
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
48.00	Begin asc.of rocky ridge,bears E.and W.
61.50	Rocky ridge,150 ft.above swale,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.20,21,28,and 29,mkd.on brass cap
	T 1 N | R 9 W S 20 | S 21 S 29 | S 28 19 | 13

Chains

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

Land rolling hills.

Soil,sandy loam and rockys in patches;2nd and 4th rate.

Subsoil,hard clay and cemented gravel.

Timber,cedar.

Undergrowths,shadscales and bud sage.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

May 12,1913:At this cor.I set off 18°08'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°48'N.,which is the proper lat.nearly.

S.89°57'E.,on a random line bet.secs.21 and 28.

40.00 Set temp.¼ sec.cor.

79.98 Intersect N.and S.line,3 lks.S.of the cor.of secs.21,22, 27,and 28.

Thence I run

N.89°58'W.,on a true line bet.secs.21.and 28.

Over nearly level valley;through dense undergrowth.

25.10 Road,bears N.20°W.and S.20°E.

28.00 Begin ascent of ridge ,bears N.20°W.and S.20°E.

38.00 Top of ridge,125 ft.above valley,bears N.10°W.and S.10° E.

Desc.

39.99 Set an iron post,3 ft.long,1 in.in diam.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap

½ S 21

S 28
1913

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

42.40 Bottom of hollow,100 ft.below ridge,course N.

Asc.

48.00 Top of spur,60 ft.above hollow,bears N.and S.

Desc.

Sub. T. 1 N. R. 9 W.-Continued.

Chains	
53.00	Bottom of hollow, 100 ft. below spur, course N. Asc.
67.60	Top of spur, 60 ft. above hollow, bears N. and S. Desc.
74.00	Bottom of hollow, 100 ft. below spur, course N. Asc.
79.98	The cor. of secs. 20, 21, 28 and 29.
	East 28.00 chs. valley with gradual east slope and sandy loam soil good quality and about 2 ft. deep, on clay subsoil. Undergrowth, bud sage. W. 51.98 chs. is composed of ridges and hollows sloping and draining north. The slopes are covered with rocks and gravel, which supports a good growth of sage and shadscales and considerable grass. No timber on the mile. Mountainous land, or land covered with dense undergrowth 79.98 chs.
	N. 0°03'W. bet. secs. 20 and 21.
	Over mountainous land, through dense undergrowth. Desc.
24.50	Hollow, 300 ft. below sec. cor., course N. 80°E. Asc.
25.15	Top of spur, 25 ft. above hollow, bears N. 80°E. and S. 80°W. Desc.
40.00	Bottom of swale, 30 ft. below spur, course E.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. mkd. on brass cap ¼ S 20 | S 21 1913 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. of cor. Ascend.
65.00	Ridge bears E. and W.
73.00	Knoll 20 ft. high
75.00	Foot of descent, bears NW. and SE.
	Enter valley.
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, mkd. on brass cap

SUB. T. 1 N. R. 9 W.-Continued.

Chains	
	T 1 N R 9 W S 17 | S 16 S 20 | S 21 1913 Dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. S. 75.00 chs. is mountainous land, sloping and draining north into Skull Valley. The soil is a gravelly loam mixed in patches with considerable rock (limestone). No timber. Undergrowth, shadscales. Good grass for grazing. North 5.00 chs. is in Skull Valley nearly level with gentle north slope. A light sandy loam about 2 ft. deep on clay subsoil. Undergrowth bud sage.
	S.89°58'E. on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
79.98	In tersect N. and S. line, at the cor. of secs. 15, 16, 21 and 22.
	Thence I run
	N. 89°58'W. on a true line bet. secs. 16 and 21.
	Over uneven valley land, through dense undergrowth.
5.00	Wash, 10 lks. wide, 2 ft. deep, course S. 60°E.
36.30	Road, bears NW. and SE.
39.99	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. mkd. on brass cap ¼ S 16 S 21 1913 Dig pits 18x18x12 ins. E. andW. of post, 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
51.80	Road, bears N. and S.
52.30	Road, bears N. and S.
58.70	Road, bears N. 60°W. and S. 60°E.
79.98	The cor. of secs. 16, 17, 20 and 21.
	Land uneven valley.
	Soil, sandy and clay loam in patches, 2 to 3 ft. deep with subsoil of clay and some gravel.
	No timber.
	Undergrowth, shadscales and bud sage.

Chains

Some grass.

Land covered with dense undergrowth;79.98 chs.

May 12,1913.

May 13,1913.At 7 h 56 m a.m.,l.m.t.,I set off 40°49'N., on the lat.arc;18°21'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°03'W.,bet.secs.16 and 17.

Over nearly level valley;through dense undergrowth.

17.30 Road,bears N.60°W.and S.60°E.

23.65 Road,bears N.80°W.and S.80°E.

32.10 Telephone line,Delle to Low,bears N.80°W.and S.80°E.

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

¼ S 17 | S 16
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raisen a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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,mkd.on brass cap

T 1 N R 9 W.
S 8 | S 9
S17 | S 16
1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,rolling valley.

Soil,light sandy loam about 2 ft.deep,clay subsoil,.

No timber.

Undergrowth,shadscales.

Some grass.

Land covered with dense undergrowth,80.00 chs.

Chains

S.89°58'E.,on a random line bet.secs.9.and 16.

40.00 Set temp.½ sec.cor.

80.10 Intersect N.and S.line,2 lks.N.of the cor.of secs.9,10, 15,and 16.

Thence I run

N.89°57'W.,on a true line bet.secs.9 and 16.

Over nearly level valley;through dense undergrowth.

7.80 Wash,30 lks.wide,6 ft.deep,course S.20°W.

15.00 Road,bears N.15°E.and S.15°W.

21.00 Road;bears N.and S.

30.60 Sand ridge,20 ft.high,bears N.15°W.and S.15°E.

Desc.

39.00 Western Union Telegraph line,bears N.18°25'W.and S.18°25' E.

40.05 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.mkd.on brass cap

½ S 9.

S 16
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

41.30 Western Pacific R.R.track,bears N.18°25'W.and S.18°25' E.

42.02 Western Union Telegraph line,bears N.18°25'W.and S.18°25' E.

43.10 Sand knoll 30 ft.high.

55.10 Road,bears N.and S.

57.00 Road,bears N.20°W.and S.20°E.

76.90 Road,bears N.30°W.and S.30°E.

80.10 The cor.of secs.8,9,16,and 17.

Land,rolling valley.

Soil,sandy loam 1 to 3 ft.deep,subsoil,clay.

No timber.

Undergrowth,shadscales and greasewood.

Some grass.

Land covered with dense undergrowth,80.10 chs.

Chains	
	N.0°03'W.,bet.secs.8 and 9.
	Over rolling land;through dense undergrowth.
3.40	Road,bears E.and W.
6.20	Road,bears N.25°W.and S.25°E.
22.40	Road,bears N.25°W.and S.25°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap

¼ S.8 | S 9
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

40.40	Road,bears NW.and SE.
41.80	Road,bears N.40°W.and S.40°E.
56.40	Road,bears N.20°W.and S.20°E.
70.95	Western Union Telegraph line,bears N.73°W.and S.73°E.
71.60	Western Pacific R.R.track,on a curve,tangent of which is about N.73 °W and S.73°E.
73.50	Western Union Telegraph line,bears N.73°W.and S.73°E.
77.20	Road,bears N.20°W.and S.20°E.
80.00	Set an iron post,3 ft.long,2 in.in dia.,24 ins.in the ground,for cor.of secs.4,5,8,and 9,mkd.on brass cap

T 1 N | R 9 W.
S 5 | S 4
S 8 | S 9
1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land rolling valley with gradual south slope.

Soil,light clay;1 to 2 ft.deep,on clay subsoil.

No timber.

Undergrowth,greasewood and shadscales.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

May 13,1913:At this cor.I set off 18°23'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°50'N.,which is the proper lat.nearly.

Chains

S.89°57'E. on a random line bet.secs.4 and 9.

40.00 Set temp.¼ sec.cor.

80.12 Intersect N.and S.line,3 lks.N.of the cor.of secs.3,4, 9,and 10.

Thence I run

N.89°56'W.,on a true line bet.secs.4 and 9.

Over rolling sand hills and through dense undergrowth.

22.00 Wash,20 lks.wide,2 ft.deep,course S.

30.80 Road,bears N.15°E.and S.15°W.

40.06 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 4
S 9
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.12 The cor.of secs.4,5,8,and 9.

Land,rolling sandy hills

Soil,sandy loam;2nd rate.

No timber.

Undergrowth,sage and shadscales.

Good grass for grazing.

Land covered with denseundergrowth,80.12 chs.

For reasons already explained I run

N.0°03'W.,on a true line bet.secs.4 and 5.

Over nearly level land;through dense undergrowth.

Asc.

8.00 Leave valley and enter foot hills between Skull Valley and Puddle Valley,bears NE and SW

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

¼ S 5 | S 4
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

Chains

85.45 Intersect N.bdy.of Tp.,3.49 chs.S.89°58'W.,of the cor.of sec.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,mkd.on brass cap

T 2 N R 9 W
S 32 | S 33
S 5 C | C S 4
T 1 N R 9 W
1913

Dig pits,24x18x12 ins.,crosswise on each line,E.and W. 3 ft.,and S.of post,7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,S. of cor.

Note :I destroy all marks on the cor.of secs.4,5,32,and 33,which pertain to secs.4 and 5.

Land,rolling hills and level valley.

Soil,sandy loam;2nd rate.2 to 5 ft.deep.

Subsoil,clay.

Good grass grass for grazing.

No timber.

Undergrowth,shadscales and sage brush.

Land covered with dense undergrowth,85.45 chs.

May 13,1913.

John R.Stewart
U.S.Surveyor.

May 12,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°46'N., on the lat.arc;18°06'N.,on the decl.arc;and determine a meridian with the solar,at the Standard cor.of secs.31 and 32,on S.bdy.of Tp.,which is an iron post,3 ins. dia.,and extending 12 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

Thence I run
N.0°4'W.,bet.secs.31 and 32.

Over mountainous land;through dense undergrowth.

Chains

Ascend along east slope of mountain.

3.02 Top of spur,30 ft.above cor.,bears E.and W.

Desc.

5.50 Bottom of hollow,30 ft.below spur,course E.

Asc.

9.20 Top of spur,75 ft.bears E.and W.

Desc.

11.20 Bottom of hollow,25 ft.below spur,course E.

Asc.

16.60 Top of spur,100 ft.above hollow,bears E.and W.

Desc.

25.50 Bottom of hollow,25 ft.below spur,course E.

Asc.

30.00 Enter scattering cedar,bears E.and W.

38.30 Top of spur,50 ft.above hollow,bears E.and W.

Desc.

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

¼ S 31 | S 32
1913

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

40.50 Bottom of hollow,40 ft.below spur,course E.

Asc.

43.50 Top of spur,20 ft.above hollow,bears E.and W.

Desc.

47.20 Bottom of hollow,75 ft.below ridge,course E.

Asc.

53.17 Top of spur,200 ft.above hollow,bears E.and W.

Leave timber,bears E.and W.

Desc.

60.00 Gulch,250 ft.below spur,course E.

Asc.

69.30 Top of ridge,300 ft.above gulch,bears E.and W.

Desc.

78.70 Bottom of hollow,100 ft.below ridge,course E.

Asc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the

Chains	
	ground,for cor.of secs.29,30,31,and 32,mkd.on brass cap
	T 1 N.R 9 W S 30 | S 29 S 31 | S 32 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous .
	Soil,gravelly and rocky;3rd and 4th rate.
	Timber,cedar.
	Undergrowth, shadscales and sage .
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,80 chs.
	May 12,1913:At this cor.I set off 18°08'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.I observe the sun on the meridian,the resulting lat.is 40°47'N.,which is the proper lat.nearly.
	East,on a random line bet.secs.29 and 32.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,8 lks.S.of the cor.of secs.28,29, 32,and 33;
	Thence I run
	S.89°57'W.,on a true line bet.secs.29 and 32.
	Over rolling hills;through dense undergrowth.
	Asc.
1.80	Road,bears N.45°E.and S.60°W.
19.00	Road,bears N.60°W.and S.60°E.
30.80	Road,bears N.30°W.and S.30°E.
	Begin ascent of ridge,bears N.30°W.and S.30°E.
40.02	Set an iron post,3 ft.long,1 in.in dia.;12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 29 S 32 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
43	Spur,40 ft.above valley,bears N.and S.Desc.

Chains	
	Desc.
48.00	Bottom of hollow,50 ft.below spur,course N.45°E.
	Asc.
52.00	Top of spur,50 ft.above hollow,bears N.and S.
	Desc.
53.00	Bottom of Gulch,100 ft.below spur,course S.60°E.
	Asc.
80.04	The cor.of secs.29 30,31,and 32.
	Land,mountainous and rolling hills;
	Soil,sandy and gravelly;2nd and 3rd rate.
	No timber.
	Undergrowth,shadscales and bud sage .
	Some grass.
	Mountainous land,or land covered with dense undergrowth,
	80.04 chs.

May 13,1913.

May 13,1913:At 7 h.56 m a.m.,l.m.t.,I set off 40°47'N., on the lat.arc;18°21'N.,on the decl.arc;and determine a meridian with the solar, at the cor.of secs.29,30,31, and 32.

Thence I run

West,on a random line bet.secs.30 and 31,

40.00	Set temp.¼ sec.cor.
79.94	Intersect W.bdy.of Tp.,6 lks.N.of the cor.of secs.25,30, 31,and 36,heretofore described.

Thence I run

N.89°57'E.,on a true line bet.secs.30 and 31.

Over mountainous land;through dense undergrowth and scattering timber.

	Desc.
8.70	Bottom of hollow,250 ft.below cor.,course N.20°W.
	Asc.
32.20	Top of ridge,300 ft.above hollow,bears N.and S.
	Desc.

Chains	
39.40	Bottom of hollow,20 ft.below ridge,course N.15°E.
	Asc.
39.94	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 30 / S 31 1913
	from which
	A cedar,5 ins.dia.,bears S.25°W.,17 lks. dist.mkd.½ S 30 B T.
	A cedar,16 ins.dia.,bears N.24°W.,26 lks. dist..mkd.½ S 30 B T.
42.20	Top of ridge,800ft.above hollow,bears N.20°E.and S.20°W.
	Desc.
48.65	Bottom of hollow.240 ft.deep,,course N.
	Leave timber,bears N.and S.
	Asc.
60.00	Top of ridge,250 ft.above hollow,bears N.30°E.and S.30°W.
	Desc.
79.94	The cor.of secs.29,30,31,and 32.
	Land,mountainous .
	Soil,gravelly and rocky;3rd and 4th rate.
	Timber,cedar .
	Undergrowth,shadscales and bud sage.
	Good grass for grazing.
	May 13,1913.At this cor.I set off 18°23'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°47'N.,which is the proper lat.nearly.

	N.0°04'W.,bet.secs.29 and 30.
	Over mountainous land;through dense undergrowth.
	Desc.
5.50	Bottom of hollow,175 ft.below cor.,course N.10°E.
	Asc.

Chains

14.50 Top of ridge,175 ft.above hollow,bears N.70°W.and S.70°E.

Desc.

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

¼ S 30 | S 29
1913

Dig pits,19x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

52.50 Bottom of hollow,400 ft.below ridge,course E.comes from S.30°W.

Asc.

57.50 Top of ascent,75 ft.above hollow;bears N.45°E.and S.30° W.Thence Over bench.

78.70 Leave bench,bears N.80°W.and S.80°E.

Desc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,20 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.19,20,29,and 30,mkd.on brass cap

T 1 N R 9 W
S 19 | S 20
S 30 | S 29
1913

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

Land,mountainous.

Soil,gravelly and rocky,except on bench which is sandy clay;.

No timber.

Undergrowth,shadscales and sage.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

May 13,1913.

May 14,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°48'N.,on the lat.arc;18°36'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.19,20,29,and 30.

Chains	
	Thence I run
	N.89°57'E.,on a random line bet.secs.20 and 29.
40.00	Set temp.½ sec.cor.
80.08	Intersect N.and S.line,9 lks.N.of the cor.of secs.20,21,28, and 29.
	Thence I run
	N.89°59'W.,on a true line bet.secs.20 and 29.
	Over mountainous land;through dense undergrowth.
	DAsc.
14.00	North shoulder of mountain,75 ft.above cor.,brs.N.and S.
	Desc;
28.00	Bottom of hollow,200 ft.below ridge,course N.20°E.
	Asc.
40.04	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ½ sec.cor.,mkd.on brass cap
	½ S.20 / S 29 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
45.00	Top of ridge,280 ft.above hollow,bears N.15°W.and S.30°E.
	Desc.
70.00	Bottom of swale,200 ft.below ridge,course S.50°E.
	Asc.
75.80	Road,bears N.40°W.and S.50°E.
80.08	The cor.of secs.19,20,29,and 30.
	Land,mountainous north slopes.
	Soil,gravelly and rocky;2 ft.deep,2nd and 3rd rate.
	NoTimber.
	Undergrowth,shadscales and sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.08 chs.
	—
	S.89°57'W.,on a random line bet.secs.19 and 30.
40.00	Set temp.½ sec.cor.

Chains	
79.73	Intersect W.bdy.of Tp.,2 lks.S.of the cor.of secs.19,24, 25,and 30,heretofore described.
	Thence I run
	N.89°58'E.,on a true line bet.secs.19 and 30.
	Over mountainous land;through dense undergrowth.
22.50	Begin abrupt ascent,bears N.20°E.and S.20°W.
	Enter cadar timber,bears N.20°E.and S.20°W.
27.65	Top of ascent,bears N.20°E.and S.20°W.100 ft.above sec.cor.
	Thence over bench.
	Leave timber,bears N.20°E.and S.20°W.
39.73	Set an iron post,3 ft.long,1 in.in dia.,14 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 19. / S 30 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
78.00	Leave bench,bears N.20°W.and S.75°E.
	Desc.
79.73	The cor.of secs.19,20,29,and 30.
	Land,mountainous and nearly level.
	Soil,gravelly and rocky except on benchwhich is sandy clay
	Subsoil,gravel.
	Timber,cedar.
	Undergrowth,shadscales.
	Good grass for grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	79.73 chs.
	May 14,1913:At this cor.I set off 18°38'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°48'N.,which is the proper lat.nearly.

	N.0°04'W.,bet.secs.19 and 20.
	Over mountainous land;through dense undergrowth.

Sub.T.1 N.,R.9 W.-Continued.

Chains	
1.60	Road,bears N.65°W.and S.65°E.
2.50	Bottom of swale,40 ft.below cor,course S.60°E.
	Asc.
9.00	Road,bears N.30°E.and S.60°W.
12.50	Top of ridge,100 ft.bears E.and W.
	Desc.
38.00	Bottom of hollow,50 ft.below ridge,course E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ 19 | S 20 1913 Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
42.60	Road,bears N.20°W.and S.20°E.
60.00	Top of ridge,50 ft.above hollow,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.17,18,19,and 20,mkd.on brass cap T 1 N R 9 W S 18 | S 17 S 19 | S 20 1913 And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,rolling mountains.
	Soil,gravelly loam;2nd rate.Subsoilcemented gravel.
	No timber.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.

May 14,1913.

May 15,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°49'N., on the lat.arc;18°50'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.17,18,19,and

Chains	
	20.
	Thence I run
	S.89°59'E.,on a random line bet.secs.17 and 20.
40.00	Set temp.¼ sec.cor.
80.02	Intersect N.and S.line,17 lks.S.of the cor.of secs.16,17, 20,and 21.
	Thnce I run
	S.89°54'W.,on a true line bet.secs.17 and 20.
	Over nearly levelland;through dense undergrowth.
12.00	Begin ascent of ridge,bears NW and SE.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	½ S 17 / S 20 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
43.20	Top of ridge,300 ft.above valley;bears N.and S.
	Desc.
77.30	Bottom of hollow,200 ft.below ridge,course N.10°W.
	Asc.
80.02	The cor.of secs.17,18,19,and 20.
	Land,mountainous and level.
	Soil,gravelly and rocky except east 12.00 chs.which is sandy loam;Subsoil,gravel.
	No timber.
	Undergrowth,sage brush and shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.02 chs.
	S.89°58'W.,on a random line bet.secs.18 and 19.
40.00	Set temp. ½ sec.cor.
79.63	Intersect W.bdy.of Tp.,18 lks.S.of the cor.of secs.13,18, 19,and 24,heretofore described.
	Thence I run
	S.89°54'E.,on a true line bet.secs.18 and 19.

Chains

Over rolling mountainous land; through scattering timber and dense undergrowth.

Desc.

12.20 Wash, 10 ft. deep, course N.60°W.

17.60 Wash, 15 ft. deep, course N.65°W.

29.65 Road, bears NW and SE.

30.15 Foot of knoll bears N. and S.

38.10 Top of rocky knoll.

39.63 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor. mkd. on brass cap

$\frac{\frac{1}{4}\ S\ 18}{S\ 19}$
1913

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

43.00 Enter heavy timber, bears N. and S.

48.00 Leave timber, bears N. and S.

59.15 Road, bears N. and S.

68.30 Wash, 6 ft. deep, course N.

79.63 The cor. of secs. 17, 18, 19, and 20.

Land, rolling mountains.

Soil, gravelly and sandy loam; 2nd and 3rd rate.

Subsoil, gravel and clay.

Timber, cedar.

Undergrowth, shadscales.

Good grass for grazing.

May. 15, 1913: At this cor. I set off 18°52'N., on the decl. arc; and at 11 h 56 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40°49'N., which is the proper lat. nearly.

N.0°04'W., bet. secs. 17 and 18.

Over rolling land; through dense undergrowth.

Desc.

4.90 Wash, 6 ft. deep, course N.15°W.

Chains	
11.00	Ridge,20 ft.high,bears N.15°W.and S.15°E.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 18 | S 17 1913 Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
48.50	Old pipe line used in the construction of the Western Pacific Railroad but now out of use,bears N.70°W.and S. 70°E.
49.20	Road,bears E.and W.
53.50	Telephone line,Delle to Low,bears N.75°W.and S.75°E.
58.00	Foot of descent,150 ft.below ridge,bears N.80°E.and S.80°W.
	Enter valley.
64.80	Road from Delle to Low,bears N.25°E.and S.25°W.
65.70	Wash,20 lks.wide,4 ft.deep,course S.70°W.
69.10	Telegraph line on curve
70.10	Western Pacific R R track,on curve
73.10	Western Union Telegraph line on curve
	Asc.
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,mkd.on brass cap T 1 N R 9 E S 7 | S 8 S 18 | S 17 1913 Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,rolling hills and hollows ,and level.

Soil,sandy and gravelly loam with patches of rocks on the ridges.

No timber.

Undergrowth,sage brush and shadscales.

Good grass for grazing.

Mountainous land,or land covred with dense undergrowth, 80.00 chs.

Chains	
	N.89°54'E.,on a random line bet.secs.8 and 17.
40.00	Set temp.½ sec.cor.
79.80	Intersect N.and S.line,5 lks.S.of the cor.of secs.8,9,16, and 17.
	Thence I run
	S.89°52'W.,on a true line bet.secs.8 and 17.
	Over rolling valley land;through dense undergrowth.
39.65	Road,bears N.and S.
39.90	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	½ S 8 / S 17
	1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft dist.;and raise a mound of earth,3½ft.base,1½ ft.high,N.of cor.
59.80	Road in wash,30 lks.wide,5 ft.deep,course S.40°W.
66.00	Sand ridge,bears N.and S.
	Desc.
72.40	Road,bears N.30°E.and S.30°W.
72.80	Western Union Telegraph line,bears N.30°10'E.and S.30° 10'W.
73.70	Western Pacific R R track,bears N.30°10'E.and S.30°10'W. about 4.00 chs.to curve.
75.50	Telegraph line,bears N.30°10'E.and S.30°10'W.
79.80	The cor.of secs.7,8,17,and 18.
	Land,gently rolling
	Soil,sandy and clay .
	No timber.
	Undergrowth,shadscales.
	Land covered with dense undergrowth,79.80 chs.

May 15,1913.

May 16,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°50'N., on the lat.arc;19°04'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.7,8,17,and

Chains

18.

Thence I run

N.89°54'W.,on a random line bet.secs.7 and 18.

40.00 Set temp.½ sec.cor.

79.50 Intersect W.bdy.of Tp.,9 lks.N.of the cor.of secs.7,12,13, and 18, heretofore described.

Thence I run

S.89°58'E.,on a true linebet.secs.7 and 18.

Over mountainous land;through dense undergrowth.

Asc.

34.50 Top of ridge,300 ft.above cor.,bears N.30°E.and S.30°W.

Desc.

39.50 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.:mkd.on brass cap

¼ S 7
S 18
1913

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

56.00 Foot of mountain,200 ft.below ridge,bears NE.and SW.

Desc.gradually over sandy hills.

79.50 The cor.of secs.7,8,17,and 18.

Land,rolling and nmountainous .

Soil,rocky and sandy ;2nd and 3rd rate.

Undergrowth,shadscales and greasewood.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 79.50 chs.

N.0°04'W.,bet.secs.7 and 8.

Over rolling land;through dense undergrowth.

Asc.gradually through scattering cedar timber.

32.20 Begin ascent of ridge,bears N.30°E.and S.30°W.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.:mkd.on brass cap

½ S 7 | S 8
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and

Chains	
	raise a mound of earh,3½ ft.base,1½ ft.high,W.of cor.
60.00	Leave timber,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,mkd.on brass cap

T 1 N R 9 W
S 6 | S 5
S 7 | S 8
1913

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

On top of main ridge,200 ft.above valley,bears N.15°E. and S.15°W.

Land,rolling and mountainous .

Soil,sandy loam and rocky;2nd and 3rd rate.

Timber,cedar.

Undergrowth,shadscales.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

May 16,1913:At this cor.I set off 19°06'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°50'N.,which is the proper lat.nearly.

	N.89°52'E.,on a random line bet.secs.5 and 8.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,7 lks.N.of the cor.of secs.4,5,8,and 9.
	Thence I run
	S.89°55'W.,on a true line bet.secs.5 and 8.
	Over nearly level valley.
	Through dense undergrowth.
3.10	Road,bears N.40°W.and S.40°E.
20.00	Road,bears N.10°W.and S.10°E.
23.10	Road,bears N.25°E.and S.25°W.
31.40	Road,bears N.50°W.and S.50°E.
40.05	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

Chains	
	$\frac{\frac{1}{4}\ S\ 5}{S\ 8}$ 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
74.00	Begin ascent of ridge,bears N.and S.
80.10	The cor.of secs.5,6,7,and 8,100 ft.above valley.
	Land rolling and mountainous .
	Soil,clay and sandy loam;2nd and 3rd rate.
	Subsoil,clay .
	No timber.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.10 chs.
	N.89°58'W.,on a random line,bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
79.41	Intersect W.bdy.of Tp.,12 lks.S.of the cor.of secs.1,6, 7,and 12,heretofore described.
	Thence I run
	S.89°53'E.,on a true line bet.secs.6 and 7.
	Over rolling valley(Puddle Valley);through dense undergrowth.
	Asc.gradually.
1:50	Road,bears N.30°E.and S.30°W.
39.41	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap
	$\frac{\frac{1}{4}\ S\ 6}{S\ 7}$ 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
40.45	Road,bears N.15°E.and S.15°W.
45.85	Road,bears N.25°E.and S.25°W.
46.35	Wash,40 lks.wide,2 ft.deep,course N.45°W.
50.00	Begin ascent,bears N.and S.

Chains	
79.41	The cor.of secs.5,6,7,and 8.
	Land,rolling and mountainous .
	Soil,gravelly ,sandy and clay in patches;2nd rate.
	Subsoil,gravel and clay.
	No timber.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	79.41 chs.
	Note:For reasons already explained I run
	N.0°04'W.,bet.secs.5 and 6 on true line.
	Over mountainous land;through dense undergrowth.
	Desc.
9.60	Bottom of hollow,100 ft.below cor.,course S.20°W.
	Asc.
25.00	Top of ridge,175 ft.above hollow,bears N.15°W.and S.15°
	E.
	Desc.
33.25	Hollow,75 ft.below ridge,course N.30°W.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,24 ins.in the
	ground,for ¼ sec.cor.,mkd.on brass cap
	¼ S 6 | S 5 19 | 13
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
41.20	Main ridge,85 ft.above hollow,bears N.20°W.and S.20°E.
	Desc.
63.30	Bottom of hollow,100 ft.below ridge,course E.
	Asc.
85.65	Intersect N.bdy.of Tp.,3.32 chs.S.89°58'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,mkd.on brass cap

Sub.T.1 N.,R.9 W.-Continued.

Chains

T 2 N R 9 W

S 31	S 32
S 6 C	C S 5

T 1 N R 9 W.

1913

Dig pits,24x18x12 ins.,crosswise on each line E.and W.3 ft. and S.of post,7 ft.dist.;and raise a mound of earth,4 ft.base, 2 ft.high,S.of cor.

Note:I destroy all marks on the cor.of secs.5,6,31,and 32,which pertain to secs.5 and 6.

Land,mountainous .

Soil,rocky and gravelly;3rd rate.

Timber,cedar very scattering.

Undergrowth,shadscales.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 85.65 chs.

May 16,1913.

Robert D. Dalton

U.S.Transitman.

GENERAL DESCRIPTION.

This township is mostly in the extreme north end of Skull Valley and in the hills lying between Skull Valley and Puddle Valley on the west and north.The general slope and drainage and slope is toward the southeast.The soil in the valley is generally a light sandy loam except toward the southeast cor.which is clay and quite salty. The soil quite generally contains some alkali and salt but except in a few sections near the southeast corner of the township,there is not enough mineral in the soil to prevent a good growth of such underbrush as shadscales, and greasewood and some bud sage;and in my oponion much

of the land is suitable for dry farming.

The soil of the mountainous and hilly parts of the township,which is along the north and west tiers of sections, is usually gravelly with patches of rocks,and is from 1 to 3 ft.deep,on subsoil of cemented gravel;this part of the township also supports a good growth of greasewood and shadscales and bud sage,with a few patches of scrub cedar.

There are no settlers in the township,and no water.

There are some indications of mineral such as lead and silver in the northeast corner of the township but not sufficient to classify any of it as mineral lands.

The Western Pacific Railway runs through the township.

The Western Union Telegraph line runs through the township; also a telephone line from Delle to Low.

John R Stewart
U.S.Surveyor.

Robert D. Dallas
U.S.Transitman.

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Page

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of .....

For certificate of assistants see book "K" T.4 S.; R.6 W.

of the ..... Meridian, in the State of .....

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.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

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 .....

For final oaths of U.S.Surveyor and Transitman see book "K" T.4 S., R. 6 W.

..... 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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 1915

The foregoing field notes of the survey of the subdivisional lines of Township No.1 North, Range No.9 West, of the Salt Lake Base and Meridian, Utah,

executed by John R.Stewart and Robert D.Dalton under ~~his~~ their special instructions dated April 10, 1913, 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.

6—2761

4—679

BOOK A-404
B.

FIELD NOTES

OF THE SURVEY OF THE

WEST, AND RETRACEMENT OF THE NORTH BOUNDARIES TOWNSHIP 1 N.RANGE 9 W.

NORTH BOUNDARY TOWNSHIP 1 N.RANGE 7 W.;

EAST, AND RETRACEMENT WEST, SOUTH, AND EAST BOUNDARIES T.1 S.,R.6 W.;

NORTH BOUNDARY TOWNSHIP 1 N.RANGE 6 W.;

RETRACEMENT AND RESURVEY SOUTH BOUNDARY TOWNSHIP 1 S.,R.5 W.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

JOHN R.STEWART AND ROBERT D.DALTON

In the capacity of U. S. Surveyor and Transitman *under instructions dated* April 10, *1913, issued by the United States Surveyor General to govern surveys included in Group No.* 20, *which were approved by the Commissioner of the General Land Office,* April 28, *1913, pursuant to authority contained in the Act of Congress dated* ....., *191*...

Survey commenced May 8, *1913*

Survey completed July 1, *1913.*

6—151

[illegible] 6-05-36
" " 3 03
Bdy " " 5 00 50
1 N. 7 W. 38 20
1 S 6 W 4 00 56

Ret. N. Bdy 1 S 6 W 5-41-41
" E. " 1 S 6 W 2 00 00
Sur " " " " 4 05 12
N. Bdy. 1 N 6 W 3 44 70
Res. SE 1 S 5 W 2 76 63

Clos. E. 1 S 6 W — 10 26

BOOK A-404

INDEX DIAGRAM.

Township ....., *Range* .....

6	5	4	3	2	1
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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

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WEST BDY. T. 1 N., R. 9 W.

CHAINS	
	Survey commenced May 8, 1913, and executed with a Keuffel & Esser light mountain transit No.20578, 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 verniers of latitude and decl. arcs. Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, Utah, found correct and was approved May 2, 1913, by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys.
	NOTE: For complete test of instrument see notes of Sub. T. 1 N., R. 9 W.
	At 7 h 56 m a.m., l.m.t., I set off 40°46'N. on the lat. arc; 17°03'N. on the decl. arc; and determine a meridian with the solar at the cor. of Tps. 1 N.; Rs. 9 and 10 W., which is an iron post, 3 ins. dia., and projecting 12 ins. above mound of earth and stone, firmly set and mkd. and witnessed as described by the surveyor general.
	Thence I run
	North on a true line bet. secs. 31 and 36.
	Over mountainous land; through heavy timber and scattering undergrowth.
	Desc. over rocks.
3.50	Bottom of hollow, 40 ft. below cor., course W.
	Asc.
24.50	Top of ridge, 200 ft. above hollow, bears E. and W.
	Desc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, on solid rock, and surrounded by mound of stone, for ¼ sec. cor. mkd. on brass cap ¼ S 36 | S 31, from which 19 | 13 A cedar, 10 ins. dia., brs. N. 20°W., 32 lks. dist. mkd. ¼ S 36 B T. A cedar, 7 ins. dia., brs. S. 25°30'E., 26 lks. dist. mkd. ¼ S 31 B T.
50.00	Bottom of hollow, 250 ft. below ridge, course NW.
	Asc.

WEST BDY. T. 1 N., R. 9 W.

CHAINS	
77.00	Top of spur, 100 ft. above hollow, bears N.30°W.and S.30°E.
	Desc.
77.20	Leave heavy and enter scattering cedars, bears N. 30°W. and S. 30°E.
80.00	Set an iron post, 3 ft. long, 3 ins. in dia., 12 ins. in the ground, on solid rock, and surrounded by mound of stone, for cor. of secs. 25, 30, 31 and 36, mkd. on brass cap

T 1 N

R 10 W	R 9 W
S 25	S 30
S 36	S 31

19 | 13

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

Land, rough and mountainous, general slope to the west.

Timber, cedar.

Soil, clay and gravelly 2nd and 3rd rate.

Subsoil, gravel and rock.

Undergrowth, sage brush.

Some grass in patches.

MAY 8, 1913: At this cor. I set off 17°05'N. on the decl. arc; and at 11 h 56 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40°47'N. which is the proper lat. nearly.

North bet. secs. 25 and 30.

Over mountainous land; through scattering timber and dense undergrowth.

Desc.

31.00 Bottom of hollow, 300 ft. below cor., course NW.

Asc.

33.30 Top of ridge, 50 ft. above hollow, bears NW. and SE.

Desc.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock, and surrounded by mound of stone for ¼ sec. cor. mkd. on brass cap

W.bdy.T.1 N.,R.9 W.-Continued.

Chains	
	¼ S 25′ | S 30′ 19 | 13 A cedar, 4 ins.dia.,bears S.84°30'E.,149 lks. dist..mkd.¼ S 30′ B T. A cedar,4 ins.dia.,bears S.25°30'W.,32 lks. dist..mkd.¼ S 25′ B T.
45.00	Bottom of hollow,50 ft.below ridge,course NW.
	Asc.
53.60	Top of spur,75 ft.above hollow,bears N.60°W.and S.60°E.
	Desc.
80.00	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,mkd.on brass cap

T 1 N

R 10 W	R 9 W
S 24′	S 19′
S 25′	S 30′
19	13

Dig pits,18x18x12 ins.,in each sec.,5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,rough and mountainous sloping northwesterly.

Soil,sandy and rocky;3rd rate subsoil,gravel.

Timber,cedar

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

May 8,19133.

May 9,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°48'N., on the lat.arc; and 17°19'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs. 19,24,25,and 30,thence I run

North,bet.secs.19 and 24.

Over rolling foot hills;through dense undergrowth.

Scattering cedars.

Asc.

W.bdy.T.1 N.,R.9 W. Continued.

Chains	
4.80	Road,bears E.and W.
13.00	Bottom of hollow,50 ft.below cor.,course W.
	Asc.
21.80	Top of spur,125 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap

¼ S 24 | S 19
19 | 13

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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

T 1 N

R 10 W | R 9 W
S 13 | S 18

S 24 | S 19
19 | 13

Dig pits,18x18x12 ins.,each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,foot hills.

Soil,sandy and rocky from 1 to 2 ft.deep.Subsoil gravel.

Timber,a few scattering cedars.

Undergrowth,shadscales,greasewood and bud sage.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

North bet.secs.13 and 18.

Over rolling foot hills leading into Puddle Valley.

Through dense undergrowth.

Desc.

8.60	Telephone line Delle to Low,bears N.42°26'E.and S.42°26' W.
12.90	Western Union Telegraph line,bears N.42°26'E.and S.42°26'W
13.85	Western Pacific R R track,bears N.42°26'E.and S.42°26'W.

W.bdy.T.1 N.,R.9 W.;Continued.

Chains	
18.90	Wash,3 lks.deep,20 lks.wide,in bottom of hollow,75 ft.below ridge ,course NW.
	Asc.
24.10	Western Union Telegraph line,bears N.58°55'E.,and S.58°55' W.
24.50	Road,bears N.85°E.and S.85°W.
28.00	Road,bears N.60°W.and S.60°E.
40.00	Set an iron post,1 in.dia.,3 ft.long,24 ins.in the ground,for ½ sec.cor.,mkd.on brass cap ½ S 13 / 19 | S 18 / 13 and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
55.00	West point of spur,75 ft.above hollow,bears NE and SW.
	Desc.
80.00	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,mkd.on brass cap T 1 N R 10 W | R 9 W S 12 | S 7 S 13 | S 18 1913.
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,foot hills sloping westward into Puddle Valley.
	Soil,sandy loam about 2 ft.deep,2nd rate.Subsoil,clay and gravel.
	No timber.
	Undergrowth,shadscales and greasewood.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	May 9,1913:At this cor.I set off 17°22'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°49'N.,which is the proper lat.nearly.
	North,bet.secs.7 and 12.

West bdy.T.1 N.,R.9 W.-Continued.

Chains	
	Over rolling foot hills,through dense undergrowth.
	Desc.
14.50	Foot of descent,100 ft.below cor.,bears N.30°E.and S.30° W.
	Enter Puddle Valley.Gently rolling and sloping to the west.
40.00	Set an iron post,3 ft.long,1 in.in dia.26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap

¼ S 12	S 7
19	13

Dig pits,18x18x12 ins.,N.and S.,of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

40.10	Road,bears NE and SW.
77.90	Road,bears N.30°E.and S.30°W.
80.00	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,mkd.on brass cap

T 1 N

R 10 W	R 9 W
S 1	S 6
S 12	S 7
19	13.

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

S.14.50 chs.rolling foot hills gravelly and rocky and covered with a short undergrowth of shadscales and bud sage.N.65.50 chs.in gently rolling valley land with a gentle westerly slope.Soil sandy loam from 1 to 3 ft.deep, with hard clay subsoil.

No timber.

Good grass for grazing on the entire mile.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

North bet.secs.1 and 6.

Over nearly level valley land,Puddle Valley,gently sloping to the west.Through dense undergrowth.

28.10	Wash,12 lks.wide,3 ft.deep,course S.70°W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap

West bdy.T.1 N.,R.9 W.-Continued.

Chains	
	½ S 1 / 19 | S 6 / 13
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.,and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
43.10	Road,bears N.25°W.S25°E.
68.50	Wash,25 lks.wide,4 ft.deep,course N.60°W.
76.10	Wash,30 lks.wide,2 ft.deep,course W.
76.70	Road,bears N.70°E.and S.70°W.
85.36	Intersect N.bdy.of Tp.,3.03 chs.West of the cor.of Tps. 1 and 2 N.,Rs.9 and 10 W.,which is a limestone,8x8x6 ins., above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for closing cor.of Tps.1 N.,Rs.9 and 10 W.,mkd. on brass cap

T 2 N
R 10 W | R 9 W
S 36 | S 31
S 1 6 | C S 6
T 1 N
1913.

Dig pits,30x24x12 ins.,crosswise on each line east and west of post,4 ft.and S.of post, 8 ft.dist.;and raise a mound of earth 5 ft.base,2½ ft.high,S.of cor.

Note:I destroy all marks on the cor.of Tps.1 and 2 N., Rs.9 and 10 W.,which pertain to Tp.1 N.,Rs.9 and 10 W.

Land,rolling valley sloping west.

Soil,sandy loam about 4 ft.deep.Subsoil,clay .

No timber.

Undergrowth,shadscales and bud sage .

Good grass for grazing.

Land covered with dense undergrowth,85.36 chs.

May 9,1913.

John R. Stewart

U.S.Surveyor.

Retracement N.bdy.T.1 N.,R.9 W.-Continued.

Chains	
	May 10,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°51'N.,on the lat.arc; 17°35'N.,on the decl.arc;and determine a meridian with the solar at the cor.of Tps.2 N.,Rs.9 and 10 W.,Thence I run
	East,on a retracement line along south bdy.sec.31.
	Over nearly level land in Puddle Valley.
	Through dense undergrowth.Asc.
10.00	Road,bears N.30°E.and S.30°W.
20.00	Leave valley,bears N.and S.
	Asc.ridge.
39.38	Fall 7 lks.S.of the ½ sec.cor.,which is a quartzite 12x9x5 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
53.10	Top of ridge,450 ft.above valley bears N.and S.
	Desc.
79.48	Fall 9½ lks.S.of the cor.of secs.5,6,31,and 32,which is a limestone,12x10x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	The course of the west half of this mile is therefore N.89°54'E.,39.38 chs. The east half is N.89°58'E.,40.10 chs.
	Land,mountainous and nearly level.
	Soil,sandy loam in valley and gravelly on hills.
	No timber.
	Undergrowth shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.48 chs.
	East,on a retracement line on S.bdy.Sec.32.
	Over rolling hills;through dense undergrowth.
32.50	Road,bears N.and S.
40.10	Fall 4½ lks.S.of the ½ sec.cor.,which is a limestone, 12x7x7 ins.,above ground,firmly set,and mkd.and witnessed

Chains	
	as described by the surveyor general.
80.16	Fall 7 lks.S.of the cor.of secs.4,5,32,and 33,which is a limestone,12x10x8 ins.,above ground,firmly set,and mkd. and witnessed as described by the surveyor general.
	The course of the west half of this mile is N.89°56'E., 40.10 chs.the east half is N.89°58'E.,40 06 chs.
	Land,rolling hills.
	Soil,sandy loam;2nd rate.Subsoil,clay.
	Timber,scattering cedars.
	Undergrowth,shadscales and greasewood.
	Good grass for grazing.
	Land covered with dense undergrowth,80.16 chs.
	May 10,1913:At this cor.I set off 17°37'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°51 'N.,which is the proper lat.nearly.
	East,on a reatracement line on S.bdy.of sec.33.
	Over rolling hills.through dense undergrowth.
40.10	Fall 3½ lks.S.of the ¼ sec.cor.,which is a limestone, 10x8x6 ins.,above ground,firmly set;and mkd.and witnessed as described by the surveyor general.
63.70	Leave foot hills and enter Skull Valley,bears N.and S.
80.21	Fall 3½ lks.S.of the cor.of secs.3,4,33,and 34,which is a linestone,8x8x5 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	The course of the west half of this mile is therefore N.89°57'E.,40.10 chs. The east half is East 40.11 chs.
	Land,rolling hills.and valley.
	Soil,sandy loam;2nd rate.
	No timber.
	Undergrowth,sage and shadscales.
	Good grass for grazing.
	Land covered with dense undergrowth,80.21 chs.

Retracement N.bdy.T.1 N.,R.9 W.--Continued.

Chains	
	East,on a retracement line along S.bdy.sec.34.
	Over rolling valley;through dense undergrowth.
10.00	Road,bears N.35°W.and S.35°E.
20.00	Bottom of hollow,25 ft.below cor.,course S.
	Asc.
25.50	Top of ridge,50 ft.above hollow,bears N.and S.
	Desc.
35.90	Road,bears N.and S.
40.17	Fall 3½ lks.S.of the ¼ sec.cor.,which is a limestone,8x6x4 ins.above ground,firmlyset,and mkd.and witnessed as described by the surveyor general.
43.00	Road,bears NE and SW.
49.50	Road,bears N.65°W.and S.65°W.
52.00	Enter scattering timber,bears NE and SW.
53.80	Wash,25 lks.wide,2 ft.deep,course S.30°W.
	Asc.
76.19	Intersect closing cor.of secs.2 and 3 Sub.T.1 N.,R.9 W., heretofore described.
80.25	Fall 7.1lks.S.of the cor. f secs.2,3,34,and 35,which is heretofore described, in subdivision of this township.
	The course of this mile isn N.89°57'E.,80.25 chs.
	Land,rolling.
	Soil,sandy loam 2 ft.deep,subsoil,clay.
	Timber.cedar.
	Undergrowth,sage and greasewood.
	Good grass for grazing.
	Land covered with dense undergrowth,80.25 chs.

	East,on a retracement line on S.bdy.of secs. 35.
	Over rolling hills through dense undergrowth.
	Scattering timber.
	Asc.
6.00	Top of spur,25 ft.above cor.,bears NE and SW.
	Desc.
11.60	Bottom of hollow,35 ft.below spur,course S.60°W.

Retracement N.bdy.T.1 N.,R.9 W.-Continued.

Chains	
	Asc.
40.20	Fall 3½ lks.N.of the ¼ sec.cor.which is a limestone,8x6x6 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
50.50	Begin.abrupt.ascent of mountain brs N.and S.
69.25	Rocky spur,350 ft.above ½ sec.cor.,bears N.20°E.and S. 20°W.
	Desc.
73.50	Bottom of hollow,50 ft.below spur,course S.20°W.
	Asc.abruptly.
76.01	Fall 6 lks.N.of the closing cor.of secs.1 and 2,heretofore described.
80.40	Fall 7 lks.N.of the cor.of sections,35,and 36. heretofore described, in subdivision of this Tp.
	The course of the mile is S.89°57'E.,80.40 chs.
	Land rolling hills and mountainous .
	Soil,sandy loam and rocky;2nd and 3rd rate.
	Timber,cedar .
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.40 chs.

May 10,1913.

John R. Stewart

U.S.Surveyor.

Boundaries of T.1 N.,R.9 W.

Latitudes departures and closing errors.

Line designated	Course	Distance	Latitudes N	Latitudes S	Departures E	Departures W.
		chs.	chs.	chs.	chs.	chs.
W.bdy.T.1 N.,R.9 W.	North	485.36	485.36			
N.bdy.T.1 N.,R.9 W.	East	3.03			3.03	
N.bdy.T 1 N.,R.9 W.	N.89°54'E.	39.38	.07		39.38	
N.bdy.T.1 N.,R.9 W.	N.89°58'E.	40.10	.02		40.10	
N.bdy.T.1 N.,R.9 W.	N.89°56'E.	40.10	.05		40.10	
N.bdy.T.1 N.,R.9 W.	N.89°58'E.	40.06	.02		40.06	
N.bdy.T.1 N.,R.9 W.	N.89°57'E.	40.10	.04		40.10	
N.bdy.T.1 N.,R.9 W.	East	40.11			40.11	
N.bdy.T.1 N.,R.9 W.	N.89°57'E.	80.25	.07		80.25	
N.bdy.T 1 N.,R.9 W.	S.89°57'E.	80.40		.07	80.40	
N.bdy.T.1 N.,R.9 W.	East	75.46			75.46	
E.bdy.T.1 N.,R.9 W.	South	485.10		485.10		
S.bdy.T.1 N.,R.9 W.	West	480.00				480.00
Convergency					.61	
Totals			485.63	485.17	479.60	480.00
			485.17			479.60
Error in lat.			.56			
Error in Dep.						.40

General Description.

Note:For general description see notes of Sub.T.1 N.,R. 9 W.

John R. Stewart

U.S.Surveyor

Filed Feb. 9, 1914.

N. Bdy. T. 1 N., R. 7 W.

Survey commenced May 25, 1913, and executed with a Keuffel & Esser light mountain transit, No.20578, 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 verniers of the latitude and declination arcs. Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved May 2, 1913, by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys.

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 p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows:

At the cor. of Tps. 1 and 2 N., Rs. 7 and 8 W., which is an iron post 3 ins. in dia., extending 12 ins. above the ground, firmly set and mkd. and witnessed as described by the surveyor general, latitude 40°51' 17"N., longitude 112°41'49"W., I set off 40°51'N. on the lat. arc, 21°00'N. on the decl. arc, and determine a meridian with the solar, at 3h 57m p.m., l.m.t., and mark a point thereof on a stone firmly set 5.00 chs. N. of the cor.

May 25, 1913.

May 26, 1913: At 3h 19m a.m., l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

At 7h 30m a.m., l.m.t., I lay off the azimuth of Polaris 1°32' to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.30 ins. east of the meridian determined by the solar.

Chains	
	At 7h 57m a.m., l.m.t., I set off 40°51'N. on the lat. arc, 21°07'W. on the decl. arc, and mark the meridian determined with the solar, by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the meridian established by Polaris observation.
	The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'16" west and 0'21" east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 8h 30m a.m. is N.16°50'W.; the angle thus determined gives the mag. decl. 16°50'E.
	From above described township corner I run East on a true line bet. secs. 6 and 31.
	Over barren alkali flat.
10.00	Asc. 3 ft. and enter dense greasewood, bears NW. and SE.
22.80	Leave greasewood and enter alkali flat, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor., mkd. on brass cap

¼ S 31
S 6
1913

Dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

80.00	Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, mkd. on brass cap

T 2 N	R 7 W
S 31	S 32
S 6	S 5

1913

Dig pits, 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Chains

Land,level.

Soil,West 10.00 chs.and East 57.20 chs.is a heavy clay soil containing a large amount of alkali and salt;cannot support vegetation.

From 10.00 to 22.80 chs.the soil is sandy clay loam about 3 ft.deep,2nd rate.Undergrowth,dense high greasewood. No timber.

A little grass on the greasewood land.

East,on a true line bet.secs.5 and 32.

Over barren alkali flat.

38.20 West shore of Great Salt Lake,10.00 chs.from water's edge.

Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for meander cor.of Tps.1 and 2 N.,R.7 W., mkd:on brass cap

T 2 N R 7 W
S 32
MC
S 5
T 1 N R 7 W
1913

Dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,heavy clay about 1 ft.deep,subsoil sand and marl.

No vegetation.

10 a.m.May 26,1913.

John P. Stewart

U.S.Surveyor.

Boundaries of T.1 N.,R.7 W.

Latitudes,departures,and closing errors.

Line designated	Course	distance	latitudes N.	latitudes S	departures E	departures W
		chs.	chs.	chs.	chs.	chs.
W.bdy.T.1 N.,R.7 W.	North	484.33	484.33			
N.bdy.T.1 N.,R.7 W.	East	118.20			118.20	
E.bdy.T.1 N.,R.7 W.	S.72°32'W.	40.05		12.02		38.19
E.bdy.T.1 N.,R.7 W.	S.72°25'W.	48.82		14.75		46.54
E.bdy.T.1 N.,R.7 W.	S.16°15'W.	60.00		57.60		16.79
E.bdy.T.1 N.,R.7 W.	S.7°01'W.	80.46		79.86		9.83
E.bdy.T.1 N.,R.7 W.	S.6°14'E.	47.22		46.94	5.13	
E.bdy.T.1 N.,R.7 W.	S.62°15'E.	40.00		18.62	35.40	
E.bdy.T.1 N.,R.7 W.	S.16°30'E.	15.00		14.38	4.26	
E.bdy.T.1 N.,R.7 W.	S.40°08'E.	44.16		33.76	28.47	
E.bdy.T.1 N.,R.7 W.	S.83°56'E.	68.02		7.19	67.64	
E.bdy.T.1 N.,R.7 W.	S.30°E.	25.00		21.65	12.50	
E.bdy.T.1 N.,R.7 W.	S.17°50'E.	17.97		17.11	5.50	
E.bdy.T.1 N.,R.7 W.	S.26°E.	40.00		35.95	17.53	
E.bdy.T.1 N.,R.7 W.	S.32°30'E.	52.20		44.02	28.05	
E.bdy.T.1 N.,R.7 W.	S.34°E.	51.70		42.86	28.91	
E.bdy.T.1 N.,R.7 W.	S.55°20'E.	46.40		26.39	38.16	
E.bdy.T.1 N.,R.7 W.	S.57°30'E.	20.00		10.75	16.87	
S.bdy.T.1 N.,R.7 W.	S.89°55'W.	295.12		.43		295.12
Convergency					.15	
Totals			484.33 484.28	484.28	406.77 406.47	406.47
Error in lat.			.05			
Error in Dep.					.30	

General Description.

For general description see notes of Sub.T.1 N.,R.7 W.

May 26,1913.

John P. Stewart
U.S.Surveyor

Chains

Survey commenced May 29, 1913 and executed with a Keuffel & Esser light mountain transit No. 20037 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. Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved May 2, 1913 by G. D. D. Kirkpatrick, Assistant Supervisor of Surveys.

Note: For test of instrument see notes of E. bdy. T. 1 S., R. 6 W.

At 7h 57m a.m.,l.m.t., I set off 40°41'N. on the lat. arc. and 21°37'N. on the decl. arc. and determine a meridian with the solar at the cor. of Tps. 1 and 2 S., R. 7 W. which is a limestone 15 x 10 x 4 ins. above ground, firmly set and mkd. and witnessed as described by the Surveyor General.

I destroy the old cor. and re-establish it in the same place as follows:

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground for cor. of Tps. 1 and 2 S., R. 7 W. mkd.on brass cap

```
    T 1 S
R 7 W  |
S 36   |
-------+
S 1    |
R 7 W
    T 2 S
    1913
```

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

Thence I run

North, on retracement line along W. bdy. of Tp. bet.secs. 31 and 36. Over mountainous land, through dense undergrowth. Desc.

23.00 Foot of descent, 300 ft. below cor. bears N.85°W. and S.85°E.

Chains

26.30 Road, bears N.85°W. and S.85°E.

26.60 Wash, 100 lks. wide, 3 ft. deep, course E.

40.17 Fall 5 lks. E. of ¼ sec. cor. which is a limestone, 14x9x8 ins. above ground, firmly set and mkd. and witnessed as described by the surveyor general.

I destroy the old cor. and re-establish it in the same place as follows:

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

¼ S 36 | S 31
1913

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

41.20 Top of spur 100 ft. above wash, bears N.75°W. and S.75°E. Desc.

48.70 Foot of ridge, 125 ft. below top, bears N.85°W. and S.75°E.

Thence over flat.

65.00 Top of spur, bears E.

76.90 Mouth of gulch, course N.70°E.

80.38 Fall 11 lks. E. of the cor. of secs. 25, 30, 31 and 36, which is a limestone 13 x 9 x 7 ins. above ground, fairly well set, and mkd. as described by the surveyor general.

I destroy the old cor. and re-establish it in the same place as follows:

Note: Knowing that closing corners will be required on this Bdy. I mark the corners for T. 1 S., R. 7 W. only.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for cor. of secs. 25 and 36, mkd. on brass cap

T 1 S
R 7 W
S 25
S 36
1913

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. The course of this mile is therefore N.0°05'W.

80.38 chs. Land, mountainous and level.

Soil, rocky on hills and sandy in flat.

Subsoil, gravel on hills and clay in flat. No timber.

Undergrowth, sage and greasewood. Some grass.

Mountainous land or land covered with dense undergrowth 80.38 chs.

Retracement W.bdy.T.1 S.,R.6 W.-Continued.

Chains	
	May 29,1913:At this cor.I set.off 21°38'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°42'N.,which is the proper lat.nearly.
	N.on retracement line along E.bdy.sec.25, T.1 S., R.7 W.
	Nearly level land;through dense undergrowth.
	Asc.
12.50	Top of spur,50 ft.above cor.,bears E.and W.
	A rocky knoll 50 ft.high,called Sugar Loaf bears E.8.00 chs.dist.;
	Desc.
23.90	Road from Grantsvilleto Delle,bears N.35°W.
	Thence along level bottom land;through salt grass.
	Leave undergrowth,bears N.35°W.and S.35°E.
30.30	Old road,bears E.and W.
31.35	Telephone line from Grantsville to Delle,bears N.63°W.and S.63°E.
40.03	Fall 5 lks.E.of ¼ sec.cor.,which is a limestone,10x9x8 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 25 | 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
44.00	Enter swampy ground,bears NE and SW.
46.00	Leave swampy ground,bears NE and SW.
51.00	Enter swampy ground,bears NE and S.30°W.
56.00	Leave swampy ground,bears NE and S.30°W.
65.00	Enter swampy ground,bears N.30°E.and S.30°W.
75.00	Leave swampy ground,bears N.30°E.and S.30°W.

Chains	
80.11	Fall 11 lks.E.of the old cor.,which is a limestone, 12x7x5 ins.,above ground,well set and mkd.and witnessed as described by the surveyor general.
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.24 and 25,mkd.on brass cap
	T 1 S R 7 W S 24 S 25 1913
	Dig pits,18x18x12 ins.,in secs.24 and 25,5½ ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
	The course of this mile is therefore N.0°5'W.80.11 chs.
	S.23.90 chs.is hilly and rocky balance of mile is flat with sandy soil,supporting a good growth of salt grass.
	No timber.
	Undergrowth,shadscales and greasewood.
	Mountainous land,or land covered with dense undergrowth, 23.90 chs.
	May 29,1913.
	May 31,1913:At 7 h 57 m a.m.,l.m.t.,I set off 40°43'N., on the lat.arc;21°54'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.24 and 25.
	Thence I run
	North,on a retracement line along E.bdy.secs.24,T.1 S.R.7 W.
	Over level land.
	No vegetation.
40.11	Fall 6 lks.East of the ½ sec.cor.,which is a limestone, 11x9x8 ins.,above ground,well set,and marked as described by the surveyor general,with trace of pits.
	I destroy the old cor.and re-establish it in the same place as follows:

Retracement W.bdy.T. 1 S.R. 6 W. Continued.

Chains

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

¼ S 24
1913

Dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist. and raise a mound of earth,3½ ft. base,1½ ft. high W. of cor.

80.24 Fall 11 lks. E. of the cor. of secs. 13 and 24, which is a limestone 18x8x7 ins.set 3 ins.in the ground,mkd.as described by the surveyor general, trace of md.

I destroy the old cor. and re-establish it in the same place as follows:

Set an iron post, 3 ft. long, 3 ins. in dia.,24 ins. in the ground for cor. of secs. 13 and 24, mkd,on brass cap

T 1 S
R 7 W
S 13
———
S 24
1913

Dig pits 18x18x12 ins. in secs.13 and 24,5½ ft.dist.and raise a mound of earth,3½ ft.base,1½ ft.high W.of cor.

The course of this mile is therefore N.0°05'W.80.24 chs.

Land, level, no vegetation. Soil, clay and sand,very salty.

North on a retracement line along E.bdy. secs. 13,T.1S.R.7W.

Over level land, barren.

10.12 Western Union Telegraph line,bears N.69°04'W.and S.69°04'E.

10.88 Western Pacific R.R.track,bears N.69°04'W.and S.69°04'E.

14.89 Western Union Telegraph line,bears N.69°04'W.and S.69°04'E.

40.18 Fall 5 lks. E. of the ¼ sec. cor. which is a limestone 12x6x6 ins. 3 ins. in the ground firmly set and mkd.as described by the surveyor general. I destroy the old cor. and re-establish it in the same place as follows:

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

¼ S 13
1913

Dig pits 18x18x12 ins.N.and S.of post,3 ft.dist.and raise a mound of earth 3½ ft.base,1½ ft.high W. of cor.

80.38 Fall 11 lks.E.of the old.sec.cor., which is a limestone 6 x 7 x 6 ins.above ground, marked and witnessed as described by the surveyor general. I destroy the old

Chains

corner and re-establish it at same point as follows:

Set an iron post, 3 ft.long,3 ins.india.,24 ins.in the ground, for cor. of secs. 12 and 13, mkd.on brass cap

T 1 S
R 7 W
S 12 | S 13
1913

Dig pits 18x18x12 ins.in secs.12 and 13,5½ ft.dist.and raise a mound of earth,4 ft.base, 2 ft. high W. of cor.

The course of this mile is therefore N.0°05'W.,80.38 chs.

Land, level and barren.

Soil, clay and oolitic sand, very salty.

May 31, 1913: At this cor. I set off 21°56'N. on the decl. arc. and at 11h 57m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40°44'N. which is the proper lat. nearly.

North, on a retracement line along E. bdy. sec. 12,T.1S.R.7W.

Over level land, no vegetation.

40.12 Fall 6 lks. E. of the ¼ sec. cor. which is a limestone, 16x8x3 ins. 5 ins. in the ground, firmly set and mkd.as described by the surveyor general, not witnessed.

I destroy the old cor. and re-establish it in the same place as follows:

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

¼ S 12 |
1913

Dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high W.of cor.

80.20 Fall 12 lks. East of the cor. of secs. 1 and 12, which is a limestone 14x7x4 ins. set 3 ins. in the ground,mkd. as described by the surveyor general, not witnessed.

I destroy the old cor. and re-establish it in the same place as follows:

Set an iron post, 3 ft. long, 3 ins. in dia.,24 ins. in the ground for cor. of secs. 1 and 12, mkd.on brass cap

Chains,

T 1 S
R 7 W
S 1
S 12
1913

Dig pits 18 x 18 x 12 ins.in secs.1 and 12, 5½ ft.dist. and raise a mound of earth 3½ ft.base, 1½ ft.high W. of cor.

The course of this mile is therefore N.0°05'W.80.20 chs.

Land, level.

Soil oolitic sand and clay; 4th rate; very salty.

No vegetation.

North on a retracement line along E.bdy.sec.1,T.1S.R.7W.

Over level land; no vegetation.

40.10 Fall 6 lks.E.of the ¼ sec.cor.on E.bdy.sec.1, which is a limestone 18x7x4 ins., set 5 ins.in the ground, and mkd.as described by the surveyor general; not witnessed. This cor.is at the present shore of Great Salt Lake, and it is impossible to chain farther on account of water. I destroy the old ¼ sec.cor., and re-establish it in the same place as follows:

Set an iron post, 3 ft.long, 3 ins.in dia., 24 ins.in the ground, for ¼ sec.cor., meander corner, and witness cor.to corner of Tp.1 S., Rs.6 and 7 W., mkd.on brass cap

W C M C
¼ S 1 | S 6
R 7 W | R 6 W
T 1 S
1913

dig a pit 36 x 36 x 12 ins.S.of post 8 ft.dist.; and raise a mound of earth 4 ft.base, 4 ft.high S.of cor.

Land, level.

Soil, clay and sand; very salty; 4th rate.

No vegetation.

May 31, 1913.

Robert D. Dalton

U.S.Transitman.

Retracement South Bdy. T. 1 S., R. 6 W.

Chains	
	May 31,1913: At 7h 57m a.m.,l.m.t.,I set off 40°41'N.on the lat.arc; 21°54'N. on the decl.arc; and determine a meridian with the solar at the cor.of secs.4,5,32 and 33 on S.bdy. of Tp.,which is an iron post 3 ins.in dia. extending 12 ins. above ground,firmly set and mkd.and witnessed as described by the surveyor general.
	Thence I run
	East, on a retracement line bet. secs. 4 and 33.
	Over level land in Tooele Valley;through dense greasewood.
15.00	Leave dense and enter scattering greasewood,bears N.and S.
40.05	Fall 65 lks. S. of the ¼ sec. cor. bet. secs. 4 and 33, which is a volcanic rock, 8x4x3 ins.above ground, firmly set and properly mkd. but not witnessed.
	I destroy the old cor. and re-establish it in the same place as follows:
	Set an iron post 3 ft. long, 1 in. in dia., 26 ins.in the ground for ¼ sec. cor. mkd. on brass cap
	¼ S 33 / S 4 1913
	Dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft.dist.; and raise a mound of earth,3½ ft.base,1½ ft.high N.of cor.
43.50	Road from Grantsville to Stansbury Island,bears N.and S.
80.10	Fall 130 lks.S. of the cor.of secs. 3,4,33 and 34,which is the remains of an old post,with distinct traces of pits. I destroy the old cor. and re-establish it in the same place as follows:
	Set an iron post, 3 ft.long,3 ins.in dia.,24 ins.in the ground,for.cor.of secs.3,4,33 and 34,mkd.on brass cap
	T 1 S R 6 W S 33 | S 34 S 4 | S 3 T 2 S R 6 W 1913
	Dig pits 18 x 18 x 12 ins.in each sec.5½ ft.dist.;and raise a mound of earth 4 ft.base,2 ft.high W.of cor.
	The course of this mile is therefore N.89°04'E.80.10 chs.

Chains	
	Land,level.
	Soil,clay about 2 ft.deep;3rd rate.salty.Subsoil hard clay.
	No timber.
	Undergrowth,greasewood,
	No grass.
	Land covered with dense undergrowth,15.00 chs.
	East,on a retracement line bet.secs.3 and 34.
	Over level land;through scattering greasewood.
30.70	Wash,20 lks.wide,2 ft.deep,course S.
40.05	Fall 66 lks.S.of the remains of an old cor.,which is an old mound with traces of pits; and the decayed stump of a post cor.
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 34 / S 3 / 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.10	Fall 131 lks.S.of the cor.of secs.2,3,34,and 35,which is a party decayed post with remains of old mound.
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post, 3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.2,3,34,and 35,mkd.on brass cap
	T 1 S R 6 W S 34 | S 35 S 3 | S 2 T 2 S R 6 W 1913
	Dig.pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	The course.of this mile is therefore N.89°04'E.,80.10 chs.
	Land,level

Chains

Soil,clay loam;3rd rate.Subsoil clay.

No timber.

Undergrowth,scattering greasewood.

May 31,1913:At this cor.I set off 21°56'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°41'N.,which is the proper lat.nearly.

East,on a retracement line bet.secs.2 and 35.

Over level land;through scattering patches of greasewood

40.10 Fall 65 lks.S.of the ¼ sec.cor.,bet.secs.2 a d 35,which is a stake in fairly good state of preservation,with old md.and traces of pits.

I destroy the old cor.and re-establish it in the same place as follows:

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

¼ S 35
S 2
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.20 Fall 130 lks,S.of old sec.cor.,which is remains of old stake and traces of pits and mound.

I destroy the old cor.and re-establish it in the same place as follows:

Set an iron post,3 ft.long,3 ins.in the dia.,24 ins.in the ground,for cor.of secs.1,2,3,5,and.36,mkd.on brass cap

T 1 S R 6 W
S 35 | S 36
S 2 | S 1
T 2 S R 6 W
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course of this mile is therefore N.89°04'E.,80.20 chs.

Land,level.

Retracement of S.bdy.of Tp.1 S.,R.6 W.-Continued.

Chains	
	Soil,clay ;3rd rate.
	No timber.
	Undergrowth,greasewood.
	East,on a retracement line bet.secs.1 and 36.
	Over level land;through scattering patches of greasewood.
40.08	Fall 66 lks.S.of old post nearly decayed with traces of pits;
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	½ S 36 / S 1 / 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
74.50	Wash,50 lks.wide,2 ft.deep,course S.15°W.
80.16	Fall 131 lks.S.of the Tp.,cor.,which is a well preserved stake with pits and md.The stake looks as if it had been put in within the last few years but the pits and mound look older.
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of Tps.1 and 2 S.,Rs.5 and 6 W.,mkd. on brass cap
	T 1 S R 6 W | R 5 W S 36 | S 31 S 1 | S 6 R 6 W | R 5 W T 2 S 1913
	Dig pits,24x24x12 ins.,on each line,N.,E.,and W.,4 ft. and S.of post,8 ft.dist.;and raise a mound of earth,5 ft. base,2½ ft.high,S.of cor.

Chains	
	The course of this line is therefore N.89°04'E.,80.16 chs.
	Land,level.
	Soil,clay loam;3rd rate. Subsoil,clay.
	No timber.
	Undergrowth,scattering greasewood.
	Note:To better verify this cor.point I run South bet. secs.1 and 6,and at 40.06 chs.I intersected E.and W. fence that had a course of N.89°05'E.and S.89°05'W.No cor.was found.This fact together with the data obtained in retracements in T.2 S.,R.6 W.last summer,led me to feel sure I found the old original corners along the south Bdy.of T.1 S.,R.6 W.
	May 31,1913.
	John R Stewart U.S. Surveyor.
	Retracement E.bdy.T.1 S.,R.6 W.-
	June 2,1913:At 7 h 58 m a.m.,l.m.t.,I set off 40°41'N., on the lat.arc;22°11'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of Tps.1 and 2 S.,Rs.5 and 6 W.,heretofore described.
	Thence I run
	North,on a retracement line bet.secs.31 and 36.
	Over level land;through dense undergrowth.
1.00	Leave undergrowth,bears E.and W.
29.75	Enter dense undergrowth,bears NW and SE.
37.20	Old road,bears N.5°W.and S.5°E.
40.00	Fall 57 lks.E.of the ¼ sec.cor.,which is an old post; greatly decayed with old mound.
	I destroy the old cor.and re-establish it in the same

Chains

place as follows:

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ secoor.,mkd.on brass cap

¼ S 36 | S 31
19 13

Dig pits,18x18x12 ins. N.and S.of post,3 ft.dist.and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 Fall 105 lks.East of the cor.of secs.25,30,31,and 36, which is an old stake properly mkd.but not witnessed. I destroy the old cor.and re-establish it in the same place as follows:

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,mkd.on brass cap

T 1 S
R 6 W | R 5 W
S 25 | S 30
S 36 | S 31
19 13

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course of this line is N.0°45'W.,80.00 chs.

Land,level.

Soil,clay loam;2nd and 3rd rate.

No timber.

Undergrowth,greasewood and shadscales.

No grass.

The cor.of secs.19,24,25,and 30,being plainly visable I run toward said cor.

N.0°45'W.,on a retracement line bet.secs.25 and 30.

Over level land;through scattering patches of greasewood.

5.56 Western Union Telegraph line,bears N.69°W.and S.69°E.

6.70 Western Union Telegraph line,bears N.69°W.and S.69°E.

7.43 Western Pacific Rail road track,bears N.69°W.and S.69°E.

40.01 Intersect the ¼ sec.cor.bet.secs.25 and 30,which is a sawed pine post,in a good state of preservation,mkd. as described by the surveyor general but not witnessed

Chains

I destroy the old cor.and re-establish it in the same place as follows:

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

¼ S 25 | S 30

Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a moundof earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 Intersect the old cor.of secs.19,24,25,and 30,which is a sawed pine post,3 ins.square,and extending 2 ft. above ground,firmly set,and mkd.as described by the surveyor general,but not witnessed.

The destroy the old cor.and re-establish it in the same place as follows.:

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,mkd.on brass cap

T 1 S

R 6 W	R 5 W
S 24	S 19
S 25	S 30

19 13

xRx

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a moundof earth,4 ft.base,2 ft.high,W.of cor.

The course of this mile is therefore N.0°45'W.,80.00 chs.

Land,level.

Soil,clay ;3rd rate.contains considerable salt and alkali.

Subsoil,clay and sand.

No timber.

No grass.

Undergrowth,scattering patches of greasewood.

Survey commenced June 2,1913,and executed with a Keuffel & Esser light mountain transit No.20037,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 and declination arcs.

The instrument was examined,tested on the meridian at Salt Lake City,found correct,and was approved by G.D.D. Kirkpatrick,Assistant Supervisor of Surveys.

Note:For test of instrument see notes of Sub.of T.1 S. R.6 W.

From the cor.of secs.19,24,25,and 30,just re-established I run

North,bet.secs.19 and 24.

Over level valley;through scattering greasewoods.

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

¼ S 24 | S 19
19 | 13

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 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,mkd.on brass cap

T 1 S R 6 W
R 6 W | R 5 W
S 13 | S 18
S 24 | S 19
19 13

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,caly ;3rd rate.

Very little vegetation on account of the great amount of alkali in the soil.

Undergrowth,greasewood.

June 2,1913:At this cor.I set off 22°12'N.,on the decl. arc;and at 11 h 58 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.

Chains

North,bet.secs.13 and 18.

Over level land;through scattering undergrowth.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for c¼ sec.cor.,mkd.on brass cap

¼ S 13 | S 18
19 | 13

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 Set an iron post,3 ft.long,3 ins. in dia.,24 ins.in the ground,for ¼cor.of secs.7,12,13,and 18,mkd.on brass cap

T 1 S
R 6 W | R 5 W
S 12 | S 7
S 13 | S 18
19 | 13

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay and oolitic sand;3rd rate on account of alkali and salt.

Undergrowth,scattering greasewood and salt weeds.

No timber.

North,bet.secs.7 and 12.

Over level land.No vegetation.

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

¼ S 12 | S 7
19 | 13

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 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,mkd.on brass cap

T 1 S
R 6 W | R 5 W
S 1 | S 6
S 12 | S 7
19 | 13

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W of cor.

Chains. Land ,level.

No vegetation.

Soil, clay; 3d rate, alkali and salt.

June 2, 1913.

June 4, 1913: At 7h 58m a.m.l.m.t., I set off 40° 45'N. on the lat.arc; 22° 25'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.1, 6,7, and 12.

Thence I run

North bet.secs.1 and 6,

Over level land; through alkali flat; no vegetation.

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

¼ S 1 | S 6
1913

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. of cor.

85.12 Intersect Salt Lake Base Line 10.26 chs.W.of the ¼ sec. cor.on S.bdy.of sec.36, heretofore described.

Set an iron post, 3 ft.long, 3 ins.in dia., 24 ins.in the ground, for closing cor:of Tps.1 S.; Rs.5 and 6 W. mkd.on brass cap

T 1 N
R 6 W | R 5 W
S 36 CC | S 31
S 1 | S 6
R 6 W | R 5 W
T 1 S
1913

dig pits 30 x 24 x 12 ins., crosswise on each line, E.and W.4 ft., and S.of post 8 ft.dist.; and raise a mound of earth 5 ft.base, 2½ ft.high S.of cor.

Land, level.

Soil, clay, containing large amount of alkali and salt; 3d and 4th rates.

No vegetation. 10 a.m.June 4,1913.

Robert D. Dalton
U.S.Transitman.

Boundaries of T.1 S., R.6 W.

Latitudes, Departures, and Closing Errors.

Lines Designated	Course	Dist.	Latitudes, N.	Latitudes, S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
West Boundary	North	6.29	6.29	.....	.....	.....
" "	N.0°5'W.	441.41	441.41	.....	.....	.64
" "	N.37°00'E.	33.00	26.36	.....	19.86	.....
" "	N.22°48'E.	17.32	15.97	.....	6.71	.....
North Boundary	East	404.74	.....	.....	404.74	.....
East Boundary	South	325.12	.....	325.12	.....	.....
" "	S.0°45'E.	160.00	.....	160.00	2.09	.....
South Boundary	S.89°04'W.	320.56	.....	5.22	.....	320.52
" "	West	112.76	.....	.....	.....	112.76
Convergency					.62	
	Totals		490.03	490.34	434.02	433.92
				490.03	433.92	
Errors in lat. and dep.				.31	.10	

For general description see notes of the subdivision of T.1 S., R.6 W.

North Boundary T.1 N.R.6 W.

Chains.

Survey commenced June 13, 1913, and executed with a Keuffel & Esser light mountain transit, No.20578, 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 examined, tested on the meridian at Salt Lake City, found correct, and was approved by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys, May 2, 1913.

For test of instrument see notes of the Subdivision of T.1 S., R.5 W.

Note: It being impossible to establish the N.bdy.of this township in the regular manner; therefore I proceed as follows:

June 13, 1913: At 8h 1m a.m.l.m.t., I set off 40° 51'N. on the lat.arc; 23° 13'N.on the decl.arc; and determine a meridian with the solar at a temporary meander corner of secs. 2 and 35 on N.bdy.of Tp., established by offsetting west 7.90.chs., and north 10.60 chs.from meander cor.of secs.1 and 2, described in notes of the subdivision of this township.

Thence I run

West on random line bet.secs.2 and 35,

32.10 Set temp. ¼ sec.cor.

72.10 Set temp.cor.of secs.2,3,34, and 35.

I continue my random line west, setting temporary ¼ sec. and sec.cors.at intervals of 40.00 chs.; and at

284.70 Set temporary meander cor.on shore of Great Salt Lake, for secs.5 and 32. June 13, 1913.

June 21, 1913: I proceed to the permanent cor.of secs.2, 3,34, and 35, established June 14, and described in the subdivision of this township. Thence I run

East on a true line bet.secs.2 and 35,

Over mountainous land; through dense undergrowth and

Chains.

scattering timber. Ascend.

6.50 Top of spur, 30 ft.above cor., bears NE. and SW. Descend.

16.10 Bottom of hollow, 60 ft.below spur, course NE. Asc.

21.10 Top of spur, 40 ft.above hollow, bears N.10° E. and S. 10° W. Descend.

30.30 Bottom of hollow, 50 ft.below ridge, course NE. Asc.

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

¼ S 35
S 2

from which

A cedar, 9 ins.dia., bears N.84° E.366 lks. dist., mkd.¼ S 35 B T

A cedar, 8 ins.dia., bears S.45°45'E.199 lks. dist., mkd.¼ S 2 B T.

48.30 Top of spur, 75 ft.above hollow, bears N.30°E.&S.30°W. Descend.

50.50 Limestone ledge, 20 ft.high, bears N.and S.

72.10 Foot of descent and shore of Great Salt Lake,

Set an iron post 3 ft.long,3 ins.in dia., 24 ins.in the ground, for meander cor.of fracl.secs.2 and 35, mkd.on brass cap

T 2 N R 6 W
S 35 M C
S 2
T 1 N.R 6 W

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

Land, mountainous.

Soil, sandy loam, 8 ins.deep.

Timber, cedar and juniper. Undergrowth sage and rabbit brush. Good grass for grazing.

From the cor.of secs.2,3,34, and 35, I run,

West on true line bet.secs.3 and 34,

Over mountainous land; through dense undergrowth and

Chains. scattering timber. Descend.

20.00 Bottom of hollow, 30 ft.below cor., course NE.

Ascend abruptly over precipitous ledges.

40.00 Point for ¼ sec.cor.falls in ledges, where it is impossible to perpetuate it; therefore cor.not set; and at

47.30 Top of main ridge, 1200 ft.above hollow, bears N.and S.

Set an iron post 3 ft.long, 1 in.in dia., 12 ins.in the ground, on solid rock, and surrounded by mound of stone, for witness cor.to ¼ sec.cor., mkd.on brass cap

W C $\frac{\frac{1}{4}\ S\ 34}{S\ 3}$
1913

and raise a mound of stone 2 ft.base, 1½ ft.high N.of cor. Desc.abruptly over quartzite ledges.

72.00 Top of ridge, 400 ft.below main ridge, bears N.80° E. and S.80° W.Descend along N.slope of ridge;through heavy timber bearing N.80° E. and S.80° W.

80.00 Set a limestone 24 x 9 x 8 ins., 18 ins.in the ground, for cor.of secs.3,4,33, and 34, mkd.with 3 notches on E. and 3 notches on W.edges; from which

A cedar, 10 ins.dia., bears N.50°50'E., 57 lks. dist., mkd.T 2 N R 6 W S 34 B T

A cedar, 10 ins.dia., bears S.45°20'E., 86 lks. dist., mkd.T 1 N R 6 W S 3 B T

A cedar, 6 ins.dia., bears S.50° 45'W. 53 lks. dist., mkd.T 1 N R 6 W S 4 B T

A cedar, 6 ins.dia., bears N.72°15'W.,19 lks. dist., mkd.T 2 N R 6 W S 33 B T

Note: The reason for setting a stone for this cor.is, that we were one post short, and did not know it in time to get one.

Land, mountainous; very rough and ledgy.

Soil, rocky; 4th rate.

Timber, cedar; Undergrowth, sage. Some grass.

Mountainous or heavily timbered land, or land covered with dense undergrowth 80.00 chs.

North Boundary T.1 N.R.6 W.- Continued.

Chains. June 21, 1913: At 2h 1m p.m.l.m.t., I set off 40° 51' on the lat.arc; 23°27'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.3, 4,33, and 34. Thence I run

West on a true line bet.secs.4 and 33,

Over mountainous land; through heavy timber.

Ascend.

8.50 Top of ridge, bears N.10° W. and S.10° E.

Leave heavy and enter scattering timber, bearing N.10° W.and S.10° E. Desc.along S.side of spur.

40.00 Set an iron post 3 ft.long, 1 in.in dia., 12 ins.in the ground, on solid rock, and surrounded by mound of stone, for ¼ sec.cor., mkd.on brass cap

¼ S 33
S 4
1913

and raise a mound of stone 2 ft.base, 1½ ft.high N.of cor. Leave timber, bearing N.and S.

74.00 Foot of spur, bearing N.and S., 400 ft.below ¼ sec.cor.

Enter flat.

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

T 2 N | R 6 W
S 32 | S 33
S 5 | S 4
T 1 N | R 6 W
1913

dig pits 18 x 18 x 12 ins.in each sec.5½ ft.dist.;and raise a mound of earth 4 ft.base, 2 ft.high W.of cor.

Land, mountainous on E.74.00 chs.

Soil, 4th rate, rocky on E.74.00 chs.

Timber, cedar.

Undergrowth, sage and grasewood.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth 80.00 chs.

Chains	
	West,on a true line bet.secs.5 and 32.
	Over level land;through greasewood.
16.10	Road,bears N.and S.
38.00	Leave greasewood and enter barrens,bears N.and S.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 32 / S 5 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
52.60	Shore of Great Salt Lake.2.00 chs.from waters edge.
	Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for meander cor.of fracl.secs.5 and 32,mkd.on brass cap
	T 2 N R 6 W / M C / S 32 / S 5 1913
	Dig a pit,36x36x12 ins.,E.of post,3 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,E.of cor.
	Land level.
	Soil,gravelly and sandy;3rd and 4th rate.
	Subsoil,clay.
	No timber.
	Undergrowth,greasewood.
	Some grass in the greasewoods.
	Land covered with dense undergrowth,38.00 chs.

June 21,1913.

John P. Stewart.
U.S.Surveyor.

Boundaries of T.1 N.,R.6 W.

Latitudes ,departures ,and closing errors.

Line Designated	Course	Distance chs.	Latitudes N. chs.	Latitudes S. chs.	departures E. chs.	departures W. chs.
W.bdy.T.1 N.,R.6 W.	N.26°32'E.	89.43	80.00		39.95	
W.bdy.T.1 N.,R.6 W.	N.21°30'E.	40.88	38.04		14.98	
~~W.bdy.T.1 N.,R.6 W.~~	~~N.0°04'W.~~	~~33.0~~	~~33.00~~			~~.04~~
W.bdy.T.1 N.,R.6 W.	N.35°E.	15.00	12.29		8.60	
W.bdy.T.1 N.,R.6 W.	N.24°E.,	32.55	29.73		13.24	
W.bdy.T.1 N.,R.6 W.	N.28°E.	40.00	35.32		18.78	
W.bdy.T.1 N.,R.6 W.	N.14°12'E.	46.10	44.69		11.31	
W.bdy.T.1 N.,R.6 W.	N.3°E.	44.00	43.94		2.30	
W.bdy.T.1 N.,R.6 W.	N.11°57'E.	36.84	36.04		7.63	
W.bdy.T.1 N.,R.6 W.	N.2°58' W.	80.08	79.98			4.05
W.bdy.T.1 N.,R.6 W.	N.22°30'W.	43.00	39.73			16.46
W.bdy.T.1 N.,R.6 W.	N.35°W.	20.00	16.39			11.47
W.bdy.T.1 N.,R.6 W.	N.10°W.	16.00	15.76			2.78
W.bdy.T.1 N.,R.6 W.	N.0°41'E.	7.99	7.99		.10	
N.bdy.T.1 N.,R.6 W.	East	294.70			294.70	
E.bdy.T.1 N.,R.6 W.	S.37°45'E.	13.40		10.60	8.20	
E.bdy.T.1 N.,R.6 W.	S.27°30'E.	20.00		17.74	9.23	
E.bdy.T.1 N.,R.6 W.	S.9°E.	6.00		5.93	.94	
E.bdy.T.1 N.,R.6 W.	S.39°30'E.	6.50		5.02	4.14	
E.bdy.T.1 N.,R.6 W.	S.15°45'E.	17.60		16.94	4.77	
E.bdy.T.1 N.,R.6 W.	S.13°00'W.	15.50		15.11		3.48
E.bdy.T.1 N.,R.6 W.	S.15° 0'E.	9.00		8.69	2.33	
E.bdy.T.1 N.,R.6 W.	S.10°00'E.	7.50		7.39	1.30	
E.bdy.T.1 N.,R.6 W.	S.25°30'W.	10.50		9.46	4.53	
E.bdy.T.1 N.,R.6 W.	S.2°30'W.	6.00		5.99		.26
E.bdy.T.1 N.R.6 W.	S.24°45'W.	21.00		19.07		8.79
E.bdy.T.1 N.,R.6 W.	S.2°45'W.	23.80		23.77		1.14
E.bdy.T.1 N.,R.6 W.	S.34°00'E.	15.70		14.34	6.38	
E.bdy.T.1 N.,R.6 W.	S.43°E.	37.40		27.35	25.50	
E.bdy.T.1 N.,R.6 W.	S.9°30'W.	11.90		11.77		1.76
E.bdy.T.1 N.,R.6 W.	S.53°30'W.	20.00		11.90		16.08
E.bdy.T.1 N.,R.6 W.	S.41°W.	22.00		16.60		14.43
E.bdy.T.1 N.,R.6 W.	S.27°W.	14.00		12.47		6.36
E.bdy.T.1 N.,R.6 W.	S.16°24'W.	13.80		13.24		3.90
E.bdy.T.1 N.,R.6 W.	S.5°E.	15.00		14.94	1.31	
E.bdy.T.1 N.,R.6 W.	S.25°45'E.	14.00		12.61	6.08	
E.bdy.T.1 N.,R.6 W.	S.8°15'W.	8.00		7.92		1.15
E.bdy.T.1 N.,R.6 W.	S.27°E.	10. 80		9.62	4.90	
E.bdy.T.1 N.,R.6 W.	S.12°45'E.	6.60		6.44	1.46	
E.bdy.T.1 N.,R.6 W.	S.1°45'E.	7.90		7.90	.24	
E.bdy.T.1 N.,R.6 W.	S.42°E.	10.00		7.43	6.69	
E.bdy.T.1 N.,R.6 W.	S.47°30'E.	7.45		5.03	5.49	
E.bdy.T.1 N.,R.6 W.	S.20°30'W.	11.40		10.67		3.99
E.bdy.T.1 N.,R.6 W.	S.37°45'W.	20.00		15.81		12.24
Totals			479.89	351.77	495.08	108.34

Boundaries of T.1 N.,R.6 W.-Concluded.

Boundaries of T.1 N.,R.6 W. Continued.

Line Designated	Course	Distance.	Latitudes N	Latitudes S	Departures E	Departures W
		Chs	chs.	chs.	chs.	chs.
Brot forward			479.89	351.77	495.08	108.34
E.bdy.T.1 N.,R.6 W.	S.42°W.	17.60		13.08		11.78
E.bdy.T.1 N.,R.6 W.	S.42°W.	37.40		27.80		25.03
E.bdy.T.1 N.,R.6 W.	S.32°15'E.	9.00		7.61	4.80	
E.bdy.T.1 N.,R.6 W.	S.32°15'E.	37.86		32.02	20.20	
E.bdy.T.1 N.,R.6 W.	S.82°25'E.	42.30		5.58	41.93	
E.bdy.T.1 N.,R.6 W.	S.39°E.	30.00		23.31	18.88	
E.bdy.T.1 N.,R.6 W.	S.18°E.	20.00		19.02	6.18	
S.bdy.T.1 N.,R.6 W.	West	442.00				442.00
Convergency					.43	
Totals			479.89	480.19	587.50	587.15
				479.89	587.15	
Error in lat.				.30		
Error in dep.					.35	

General Description.

For general description see notes of Sub.T.1 N.,R.6 W.

John R. Stewart

U.S. Surveyor.

June 21,1913.

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RETRACEMENT S. BDY. T. 1 S. R. 5 W.

Chains.

Survey commenced July 1, 1913, and executed with a Keuffel & Esser Light mountain transit, No. 20578 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 latitudes and declination arcs. Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved May 2, 1913, by G. D. D. Kirkpatrick, Assistant Supervisor of Surveys.

Note: For test of instrument see notes of Sub. T. 1 S. R. 5 W.

July 1, 1913: At 8 h. 4 m. a.m., l.m.t., I set off 40°41'N. on the lat. arc, 23°09'N. on the decl. arc, and determine a meridian with the solar, at the cor. of Tps. 1 & 2 S. Rs 5 and 6 W. heretofore described.

Thence I run:

East, on a retracement line along S bdy. of Tp.

37.25 Find no trace of the old cor. Set temp. ¼ sec. cor.

77.25 Find no trace of the old cor. Set temp. cor.

Continue east bet. secs. 5 and 32 from temp. cor.

117.25 Find no trace of old cor. Set temp. ¼ sec. cor.

157.63 Fall 275 lks. S. of the cor. of secs. 4, 5, 32 and 33, which is an old post, firmly set, partly decayed but with mark plainly visible.

I destroy this old cor. and re-establish it in the same place as follows:

Set an iron post, 3 ft. long, 3 ins. in dia. 24 ins. in the ground, for re-established cor. of secs. 4, 5, 32 and 33, mkd. on brass cap

T 1 S R 5 W
S 32 | S 33
S 5 | S 4
T 2 S R 5 W
1913

Dig pits, 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Note: I determine to re-survey this line between this cor. and the Tp. cor., making all distances proportional to the old distances.

Chains.	
	Thence I run
	S. 89°01'W. on a re-survey line bet. secs. 5 and 32.
	Over barren alkali flat.
8.00	Road bears NE and SW.
40.10	Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground, for re-established ¼ sec. cor. mkd. on brass cap
	¼ S 32 / S 5 / 1913
	dig pits, 18x18x12 ins. E and W. of post, 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.
41.50	Enter greasewood, bears NW and SE.
60.75	Leave undergrowth, enter alkali flat, bears N. and S.
65.25	Enter greasewood, bears NW and SE.
80.20	Set an iron post, 3 ft. long, 3 ins. in dia. 24 ins. in the ground, for re-established cor. of secs. 5, 6, 31 and 32, mkd. on brass cap:

T 1 S R 5 W
S 31 | S 32
S 6 | S 5
T 2 S R 5 W
1913

Dig pits, 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, clay and sandy; 3rd rate; salty.

Undergrowth, greasewood.

No timber.

July 1, 1913: At this cor., I set off 23°08'N. on the decl. arc; and at 0 h 4 m p.m.l.m.t., I observe the sun on the meridian; the resulting lat. is 40°41' N.

S 89°01'W on a resurvey line bet. secs. 6 and 31.

Land, level.

Dense undergrowth.

.75	Road bears N 10°W. and S 10°E.
39.50	Road from Grantville to Grant's station bears N. and S.

RESURVEY S. BDY. T. 1 S. R. 5 W.-Continued.

Chains	
39.90	Telephone line, from Grantsville to Grant's Station, bears N. and S.
40.10	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. mkd. on brass cap ¼ S 31 S 6 1913 Dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
61.00	Enter greasewood, bears N. and S.
65.20	Road, bears N. 30°W. and S. 30°E.
77.45	The cor. of Tps. 1 and 2 S., Rs. 5 and 6 W.
	Land, level.
	Soil, clay, 3rd rate. Considerable alkali.
	Undergrowth, patches of greasewood.
	No timber.
	East on true line bet. secs. 4 and 33.
	Over barren alkali flat.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. mkd. on brass cap ¼ S 33 S 4 1913 Dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
60.52	Western Union Telegraph line, bears N. 69°W. and S. 69°E.
62.55	Western Pacific R R Track, bears N. 69°W. and S. 69°E.
79.00	West Shore of Great Salt Lake.
	Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for meander cor. of fracl. secs. 4 and 33, mkd. on brass cap T 1 S R 5 W S 33 | MC S 4 | 1913 Dig a pit 36x36x12 ins. W. of post, 8 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.

S.BDY.T.1 S., R. 5 W.-Continued.

Land, level.

Soil, clay, 4th rate.

No vegetation on account of alkali and salt.

July 1, 1913,

John R. Stewart
U.S. Surveyor.

BOUNDARIES OF T. 1 S., R. 5 W.

Latitudes departures and closing errors.

Line designated	Course	Distance chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
W.bdy.T.1 S.R.5 W.	N.0°45'W.	160.00	160.00			2.10
W.bdy.T.1 S.R.5 W.	North	325.12	325.12			
N.bdy.T.1 S.R.5 W.	East	37.26			37.26	
E.bdy.T.1 S.R.5 W.	S.54°15'E.	49.70		29.04	40.34	
E.bdy.T.1 S.R.5 W.	S.27°E.	27.10		24.15	12.30	
E.bdy.T.1 S.R.5 W.	S.8°W.	20.00		19.81		2.78
E.bdy.T.1 S.R.5 W.	S.37°E.	13.90		11.10	8.36	
E.bdy.T.1 S.R.5 W.	S.34°E.	28.53		23.65	15.96	
E.bdy.T.1 S.R.5 W.	S.51°15'E.	45.00		28.17	35.09	
E.bdy.T.1 S.R.5 W.	S.37°E.	20.00		15.97	12.04	
E.bdy.T.1 S.R.5 W.	S.54°E.	20.55		12.08	16.63	
E.bdy.T.1 S.R.5 W.	S.4°E.	80.20		80.01	5.59	
E.bdy.T.1 S.R.5 W.	S.10°45'E.	50.70		49.81	9.46	
E.bdy.T.1 S.R.5 W.	S.47°45'W.	30.00		20.17		22.21
E.bdy.T.1 S.R.5 W.	S.0°45'W.	10.00		10.00		.13
E.bdy.T.1 S.R.5 W.	S.30°E.	40.00		34.64	20.00	
E.bdy.T.1 S.R.5 W.	S.23°15'E.	48.10		44.19	18.99	
E.bdy.T.1 S.R.5 W.	S.30°E.	60.00		51.96	30.00	
E.bdy.T.1 S.R.5 W.	S.3°15'E.	28.10		28.05	1.59	
S.bdy.T.1 S.R.5 W.	West	79.00				79.00
S.bdy.T.1 S.R.5 W.	S.89°01'W.	159.65		2.70		157.63
Convergency					.22	
			485.12	485.50	263.83	263.85
				485.12		263.83
Error in lat. and dep.				.38		.02

GENERAL DESCRIPTION.

For general description see notes of Sub

John R. Stewart
U.S. Surveyor.

July 1, 1913.

4—680

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of .....

For certificate of assistants see book "K" T.4 S., R.6 W.

of the ..... Meridian, in the State of .....

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.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

U. S. Surveyor.

6—2761

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 oaths of U.S.Surveyor and Transitman see book "K" T.4 S.R.6 W

.....

..... 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

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 1915.

The foregoing field notes of the survey of west, and retracement of the North boundaries Township 1 North, Range 9 West; survey of the North boundary of Township 1 North, Range 7 West; survey of the East, and retracement of the West, South, and East boundaries of Township 1 South, Range 6 West; survey of the North boundary of Township 1 North, Range 6 West; and the retracement and resurvey of the South boundary of Township 1 South, Range 5 West, of the Salt Lake Base and Meridian, Utah

executed by John P.Stewart and Robert D.Dalton

under ~~his~~ their special instructions dated April 10, 1913, 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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U. S. Surveyor General.

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BOOK A-404

C.

U. S. Surveyor General's Office
FEB 9 1914
SALT LAKE CITY, UTAH.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

and

Retracement

EAST AND SOUTH BOUNDARIES

of

Township No.1 South, Range No.9 West,

Of the Salt Lake Base and *Meridian,*

In the State of Utah.

EXECUTED BY

John R. Stewart and Robert D. Dalton

In the capacities of U. S. Surveyors and Transitman *under instructions dated* April 10, 1913 *issued by the United States Surveyor General to govern surveys included in Group No.* 20, *which were approved by the Commissioner of the General Land Office,* April 28, *1913, pursuant to authority contained in the Act of Congress dated* , *191*

Survey commenced May 14, 1913.

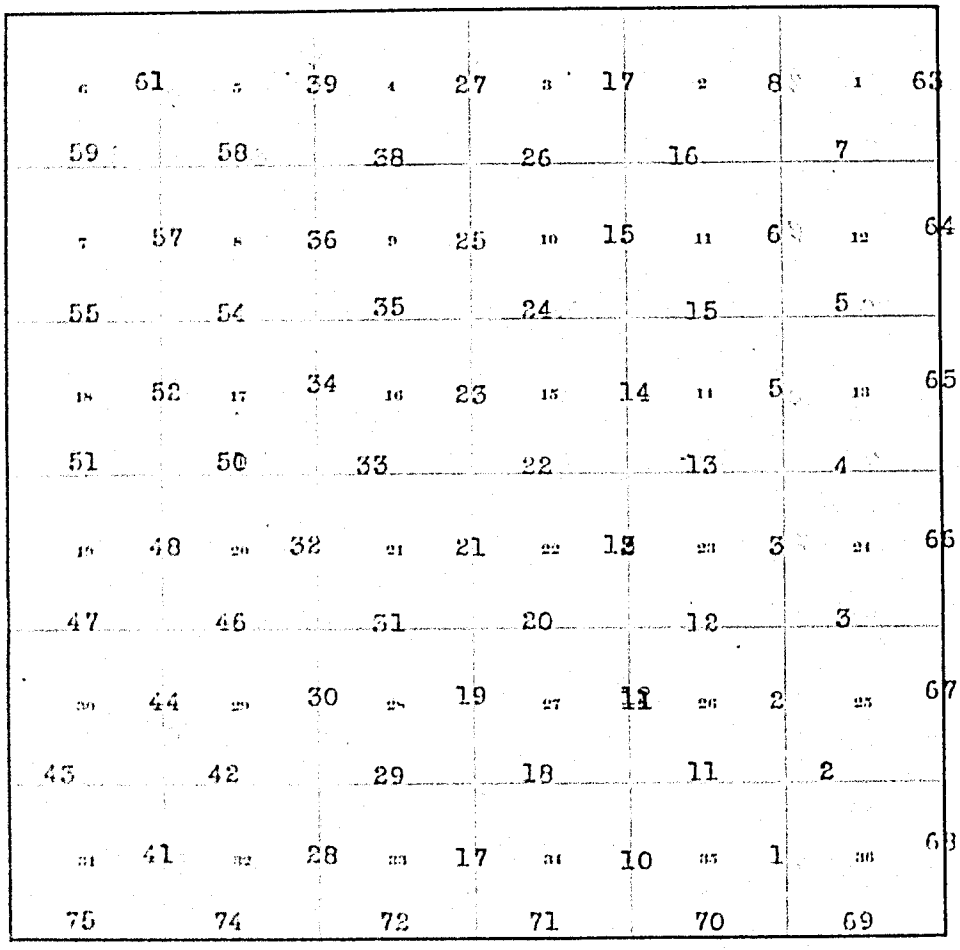
Survey completed May 27, 1913.

E. Bdy - 6-01-37
L. Bdy - 5-77-75
Subs - 60-00-79
Clos - 5-39

6—151

INDEX DIAGRAM.

Township 1 South ....., *Range* 9 West .....



6-101

May 14,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°46'N., on the lat.arc;18°36'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of Tps.1 N.and 1 S., Rs.8 and 9 W.,(Salt Lake Base Line);which is a limestone, 9x8x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor General.

I destroy the old cor.and re-establish it in the same place as follows:

Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for Base Line cor.of Tps.1 N.and 1.S.,Rs.8 and 9 W.;mkd.on brass cap

T 1 N R 9

R 9 W	R 8 W
S36	S 31
S 1	S 6
R 9 W	R 8 W

T 1 S
1913

Dig pits,24x24x12 ins.,on each line,N.,E.,and W.,4ft. and S.of post,8 ft.dist.;and raise a mound of earth,5½ ft. base,2½ ft.high,S.of cor.

Note:For test of instrument see Sub.T.1 N.,R.9 W.

Thence I run

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

Over level landin Skull Valley.

Therough dense undergrowth.

40.17 Intersect the ¼ sec.cor.,which is a quartzite stone,8x6x6 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

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

¼ S 1 | S 6
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

77.50 Road,from Delle to Redlamb Springs,bears NE and SW.

80.30 Intersect the cor.of secs.1,6,7,and 12,which is a quartzite stone,12x7x7 ins.,above ground,firmly set,

Retracement E.bdy.T.1 S.,R.9 W.-Continued.

Chains

and mkd.and witnessed as described by the surveyor general

I destroy the old cor.and re-establish it in the same place as follows:

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,mkd.on brass cap

	T 1 S		
R 9 W		R 8 W	
S 1		S 6	
S 12		S 7	
19		13	

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course of this mile is therefore South 80.30 chs.

Land,level valley.

Soil,heavy clay loam saturated with alkali and salt.

4th rate.Subsoil,clay.

No timber.

Undergrowth,scattering greasewood.

No grass.

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

Over level land;through scattering greasewood.

40.11 Intersect the ¼ sec.cor.,which is a quartzite,6x5x5 ins., above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.mkd.on brass cap

¼ S 12		S 7
19		13

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.22 The cor.of secs.7,12,13,and 18,which is a quartzite stone, 9x9x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same

Chains	
	place as follows:
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.7,12,13,and 18,mkd.on brass cap
	T 1 S R 9 W | R 8 W S12 | S 7 S.13 | S.18 19 13
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	The course of this mile is therefore S.80.22 chs.
	Land level.
	Soil,heavy clay;3rd and 4th rate.saturated with alkali and salt.
	No timber.
	Undergrowth,scattering greasewood.
	South,on a retracement line bet.secs.13 and 18.
	Over level valley.
	Alkali flat with no vegetation.
40.10	Intersect the ½ sec.cor.,which is a quartzite stone, 8x6x4 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	½ S 13 | S 18 19 13
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
78.80	Wash,40 lks.wide,4 ft.deep,course SW.
80.21	Intersect the cor.of secs.13,18,19,and 24,which is an quartzite stone,9x7x4 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.I destroy the old cor.and re-establish it in the same place as follows:

Chains

Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for ¼cor.of secs.13,18,19,and 24,mkd.on brass cap

T 1 S

R 9 W	R 8 W
S 13	S 18
S 24	S 19

1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course of this mile is south,80.21 chs.

Land level.

Soil,heavy clay saturated with alkali. 4th rate.

No timber.

Nodvegetation.

May 14,1913:At this cor.I set off 18°38'N.,on the decl. arc;and at 11 h.56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.

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

Over level valley.

No vegetation.

40.10 Intersect the ¼ sec.cor.,which is a quartzite stone, 10x8x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

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

¼ S 24 | S 19

1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.18 Intersect the cor.of secs.19,24,25,and 30,which is a quartzite stone,10x8x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same

Chains	
	place as follows:
	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,mkd.on brass cap
	T 1 S R 9 W | R 8 W S 24 | S 19 S 25 | S 30 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	The course of this mile is therefore S.80.18 chs.
	Land,level alkali flat.
	Soil,heavy clay;4th rate.
	No tegetation.
	South,on a retracement line bet.secs.25 and 30.
	Over level alkali flat.
17.50	Wash,30 lks.wide,2 ft.deep,course S.60°E.
22.10	Same wash,40 lks.wide,2 ft.deep,course S.30°W.
28.00	Same wash,40 lks.wide,2 ft.deep,course S.20°E.
40.07	Intersect the ¼ sec.cor.,which is a quartzite stone,6x5x3 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 25 | S 30 1913
	Dig pits,18x18x12 ins.,W.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
48.25	Wash,35 lks.wide,3 ft.deep,course SW.
64.25	Wash,110 lks.wide,3 ft.deep,course S.20°E.
68.60	Wash,75 lks.wide,2 ft.deep,course SW.
80.17	Intersect the cor.of secs.25,30,31,and 36,which is an quartzite stone,9x8x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	I destroy the old cor.and re-establish it in the same

Chains

place as follows:

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,mkd.on brass cap

T 1 S
R 9 W | R 8 W
S 25 | S 30
S 36 | S 31
1913

dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course of this mile is therefore South 80,17 chs.

Land,level alkali flat without vegetation.

Soil,heavy clay saturated with alkali.

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

Over level alkali flat.

40.15 Intersect the ¼ sec.cor.,which is a quartzite,6x5x5 ins., above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-established it in the same place as follows:

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

¼ S 36 | S 31
1913

dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.29 Intersect the cor.of Tps.1 and 2 S.,Rs.8 and 9 W.,which is a limestone,12x7x7 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

Set an iron post,3 ft.long,3 ins.in dia.,24 ins,in the ground,for cor.of Tps.1 and 2 S.,Rs.8 and 9 W.,mkd.on brass cap

Chains	
	T.1.S R 9 W | R 8 W S36 | S 31 S 1 | S 6 R 9 W | R 8 W T 2 S 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	The course of this mile is therefore South 80.29 chs.
	Land level alkali flat,no vegetation except a few
	scattering salt weeds.
	May 14,1913.
	Surveyor.
	May 15,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°41'N.,
	on the lat.arc;18°50'N.,on the decl.arc;and determine a
	meridian with the solar,at the cor.of Tps.1 and 2 S.,
	Rs.8 and 9 W.,
	Thence I run
	N.89°49'W.,on a retracement line along the south bdy.
	of Tp.,bet.secs.1 and 36.
	Over level alkali flat;a few scattering salt weeds.
8.10	Wash,75 lks.wide,3 ft.deep,course SW.
40.10	Fall 4½ lks.S.of the ¼ sec.cor.,which is a limestone,8x8
	x6 ins.,above ground,firmly set;and mkd.and witnessed
	as described by the surveyor general.
	I destroy the old cor.and re-establish it in the same
	place as follows:
	Set an iron post,3 ft.long;1 in.in dia.;26 ins.in the
	ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 36 T 1 S 1913
	dig pits,18x18x18 ins.,E.and W.of post,3 ft.dist.;and
	raise a moundof earth,3½ ft.base,1½ ft.high,N.of cor.

Chains

80.21 Fall 9 lks.S.of the cor.of secs.1,2,35,and 36,which is a quartzite stone,8x8x 6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.1,2,35,and 36,mkd.on brass cap

T 1 S R 9 W
S 35 | S 36
S 2 | S 1
T 2 S R 9 W.
1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course of this mile is therefore N.89°45'W.,80.21 chs.

Land,level alkali flat no vegetation except salt weeds.

Soil,heavy clay alkali.

N.89°49'W.,on a retracement line bet.secs.2 and 35.

Over level alkali flat;through scattering salt weeds.

40.07 Fall 5 lks.S.of the ¼ sec.cor.which is a quartzite 9x8,x 5 ins.,above ground,firmly set,andmkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

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

¼ S 35
S 2
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

50.00 Enter dense greasewood,bears NE and SW.

80.14 Fall 9 lks.S.of the cor.of secs.2,3,34,and 35,which is a quartzite stone,8x8x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

Chains

I destroy the old cor.,and re-establish it in the same place as follows:

Set an iron post,3 ft.long,3 in.in dia.,24 ins.in the ground,forcor.of secs.2,3,34,and 35,mkd.on brass cap

T 1 S	R 9 W
S 34	S 35
S 3	S 2

T. 2. S. R 9 W
1913

Dig pits, 18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course Of this mile is therefore N.89°45'W.,80.14 chs.

Land,level valley.

Soil,heavy clay saturated with alkali on E.50.00 chs. and containing considerable alkali on balance of mile.

No timber.

Undergrowth,greasewood on W.30.14 chs.

May 15,1913:At this cor.I set off 18°52'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°41'N.,which is the proper lat.nearly.

N.89°49'W.,on a retracement line bet.secs.3 and 34.

Over level land;through dense undergrowth.

3.60 Wash,70 lks.wide,5 ft.deep,course SE.

11.70 Wash,30 lks.wide,6 ft.deep,course S.30°E.

40.14 Fall 2 lks.N.of the ½ sec.cor..,which is a limestone, 10x8x6 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.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 34
S 3
1913

dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

52.60 Road,bears N.and S.

Retracement South bdy.T.1 S.,R.9 W.-Continued.

Chains

55.00 Leave valley,bears N.and S.

Asc.

68.00 Rocky spur,75 ft.above valley,bears N.and S.

Desc.

76.50 Bottom of hollow,75 ft.below spur,course S.

Asc.

80.17 Fall 3 lks.N.of the cor.of secs.3,4,33,and 34,which is a limestone,10x8x8 ins.,above ground,firmly set,and mkd. and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.3,4,33,and 34,mkd.on brass cap

T 1 S R 9 W
S 33 | S 34
S 4 | S 3
T 2 S R 9 W
1913

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

The course of this mile is therefore N.89°50'W.,80.17 chs.

Land,level valley on E.55.00 chs.and clay loam soil with clay subsoil,some alkali,and dense greasewoods.West 15.17 chs.is mountainous land,with soilgravelly 3rd rate.and about 1 ft.deep.and some rocky patches.Undergrowth,shadscales No timber.

Mountainous land,or land covered with dense undergrowth, 80.17 chs.

N.89°49'W.,retracement line bet.secs.4 and 33.

Over mountainous land,through dense undergrowth.

Asc.abruptly.

13.50 Rocky ridge,350 ft.above cor.,bears N.and S.

Desc.

30.00 Swale,100 ft.below ridge,course S.

Asc.

39.88 Fall 8½ lks.S.of the ¼ sec.cor.,which is a limestone,12x6

Chains

x6 ins.,above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap

½ S 33

S 4.

1913

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

44.00 Top of ridge,150 ft.above hollow,bears N.30°E.and S.30°W

Dese.

60.00 Foot of ridge,150 ft.below ridge,bears N.and S.

Thence descend gradually over rolling ground.

79.78 Fall 18 lks.S.of the cor.of secs.4,5,32,and 33,which is a limestone,10x7x5 ins.above ground,firmly set,and mkd.and witnessed as described.by the surveyor general.

I destroy the old cor.and re-establish it in the same place as follows:

Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for cor.of secs.4,5,32,and 33,mkd.on brass cap.

T 1 S R 9 W.
S 32 | S 33
S 5 | S 4
T2S 1913 R9W

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course of this mile is therefore N.89°42'W.,79.78 chs.

Land ,mountainous and rolling .

Soil,gravelly and sandy loam;3rd rate.

No timber.

Undergrowth,shadscales.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 79.78 chs.

May 15,1913.

Retracement.S.bdy.T.1-S.,R.9.W. -Continued:

Chains

May 16,1913;At 7 h 56 m a.m.,l.m.t.,I set off 40°41'N.,
on the lat.arc;19°04'N.,on the decl.arc;and determine a
meridian with the solar,at the cor.of secs.4,5,32,and 33.
Thence I run
N.89°49'W.,on a retracement line bet.secs.5 and 32.
Over rolling land;through dense undergrowth.
Asc.

36.20 Road from Delle to Redlamb Springs,bears N.20°E.and S.20
W.

39.94 Fall 3 lks.S.of the ¼ sec.cor.,which is a limestone,8x6x
6 ins.,above ground,firmly set,and mkd.and witnessed as
described by the surveyor general.
I destroy the old cor.and re-establish it in the same
place as follows:
Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the
ground,for ¼ sec.cor.mkd.on brass cap

¼ S 32
S 5
1913

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

63.20 Road,bears N.15°W.and S.15°E.

70.00 Wash,200 lks.wide,course N.80°E.
Begin ascent of mountain,bears N.and S.

78.80 Top of ridge,60 ft.above foot,bears NW and SE.
Desc.

79.89 Fall 7 lks.S.of the cor.of secs.5,6,31,and 32,which is a
quartzite 14x10x8 ins.,set 2 ins.in the ground,mkd.and
witnessed as described by the surveyor general.
I destroy the old cor.and re-establish it in the same
place as follows:
Set an iron post,3 ft.long,3 ins.in dia.,20 ins.in the
groundkon solid rock,and surrounded by mound of stone,
for cor.of secs.5,6,31,and 32,mkd.on brass cap

T 1 S R 9 W
S 31 | S 32
S 6 | S 5
T 2 S R 9 W
1913

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

Retracement S.bdy.T.1 S.,R.9 W.-Continued.

Chains	
	The course of this mile is therefore N.89°46'W.,79.89 chs.
	Land,rolling and mountainous.
	Soil,sandy and gravelly;3rd rate.
	A few scattering cedars.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
79.89	chs.
	May 16,1913:At this cor.I set off 19°06'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°41'N.,which is the proper lat.nearly.
	N.89°49'W.,on a retracement line bet.secs.6 and 31.
	Over mountainous land;through scattering timber and dense undergrowth.
	Asc.
10.00	Bottom of hollow,course SE.
	Asc.
26.60	Top of black volcanic ridge,150 ft.above cor.,bears N.30°W.and S.30°E.
	Desc.
33.50	Bottom of hollow,125 ft.below ridge,course S.
	Asc.
39.85	Fall 4 lks.South of the ¼ sec.cor.,which is a volcanic stone,16x15x6 ins.,set,3 ins.in the ground, firmly set ,and mkd.and witnessed as described,by the surveyor general.
	I destroy the old cor.and re-establish it in the same place as follows:
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 31
	S 6
	1913

Chains	
	Raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
67.10	Top of ridge,200 ft.above hollow,bears NW and SE.
	Desc.
78.00	Bottom of hollow,175 ft.below ridge,course S.15°E.
	Desc.
79.56	Fall 7 lks.S.of the cor.of Tps.1 and 2 S.,Rs.9 and 10 W., which is a Quartzite stone,12x12x12 ins.,above ground, firmly set,and mkd.and witnessed as described by the surveyor general.
	The course of this mile is therefore N.89°46'W. 79.56 chs.
	Land,mountainous
	Soil,gravelly and rocky;3rd and 4th rate. from 1 to 2 ft. deep,subsoil,clay and gravel.
	Timber,scattering cedar.
	Undergrowth,shadscales and greasewood.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.56 chs.

May 16,1913.

John R Stewart

U.S.Surveyor.

Chains.

Survey commenced May 17, 1913, and executed with a Keuffel & Esser light mountain transit, No.20037, 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. Five-chain tapes and clinometers were used.

The instrument was examined, tested on the true meridian at Salt Lake City, Utah, found correct and was approved by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys.

Note: For test of instrument see notes of the subdivision of T.1 N.R.9 W.

May 17: At 7h 56m a.m.l.m.t., I set off 40° 41'N.on the lat.arc; 19° 18'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.1,2,35,and 36 on S.bdy.of Tp., heretofore described.

Thence I run

N.0° 01'W.bet.secs.35 and 36,

Over level land in Skull Valley. No vegetation, except salt weeds.

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

¼ S 35 | S 36
1913

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. of cor.

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, mkd.on brass cap

T 1 S | R 9 W
S 26 | S 25
S 35 | S 36
1913

Dig pits 18 x 18 x 12 ins.in each sec.5½ ft.dist.; and raise a mound of earth 4½ ft.base, 2 ft.high W.of cor.

Land, level.

Chains.	
	Soil, heavy clay, well saturated with alkali and salt. No timber. No undergrowth, except salt weeds.
	S.89° 45'E.on a random line bet.secs.25 & 36,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.22	Intersect E.bdy.of Tp., 30 lks.S.of the cor.of secs.25, 30,31, and 36, heretofore described.
	Thence I run
	N.89° 58'W.on a true line bet.secs.25 and 36,
	Over level land in Skull Valley; no vegetation, except salt weeds.
40.11	Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., mkd.on brass cap
	$\frac{1}{4}$ S 25 / S 36 / 1913
	Dig pits 18 x 18 x 12 ins.E.and W.of post, 3 ft.dist., and raise a mound of earth 3½ ft.base, 1½ ft.high N.of cor.
80.22	The cor.of secs.25,26,35, and 36.
	Land, level. Soil, heavy clay well saturated with alkali and salt. No vegetation, except a few salt weeds.
	N.0° 01'W.bet.secs.25 and 36
	Over barren alkali flat.
40.00	Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor., mkd.on brass cap
	$\frac{1}{4}$ S 26 | S 25 / 1913
	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.of cor.
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,mkd.on brass cap
	T 1 S | R 9 W / S23 | S 24 / S 26 | S 25 / 1913
	Dig pits 18 x 18 x 12 ins.in each sec.5½ ft.dist.;and raise a mound of earth 4 ft.base,2 ft.high W.of cor.

Chains

Land,level.

Soil,heavy clay ,alkali.

No vegetation.

S.89°58'E.,on a random line bet.secs.24 and 25.

40.00 Set temp.½ sec.cor.

80.24 Intersect E.bdy.of Tp.,17 lks.S.of the cor.of secs.19,24, 25,and 30,heretofore described.

Thence I run

S.89°55'W.,on a true line bet.secs.24 and 25.

Over level alkali flat;a few salt weeds.

15.00 Wash,30 lks.wide,2 ft.deep,course S.

40.12 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 24
S 25
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.24 The cor.of secs.23,24,25,and 26.

Land,level valley.

Soil,heavy clay and alkali.

A few salt weeds.

May 17,1913:At this cor.I set off 19°20'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.

N.0°01'W.,bet.secs.23 and 24.

Over level valley;through salt weeds.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 23 | S 24
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.

Chains

dist.and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.13,14,23,and 24,mkd.on brass cap

T 1 S	R 9 W
S 14	S 13
S 23	S 24

1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and rraise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,heavy clay well satutated with alkali and salt.

No timber .

Undergrowth,salt weeds.

N.89°55'E.,on a random line bet.secs.13 and 24.

40.00 Set temp.½ sec.cor.

80.28 Intersect E.bdy.of Tp.,21 lks.S.of the cor.of secs.13,18,19 and 24.heretofore described.

Thenfallingis out of limits(the true line would be more than 21 minutes from the south bdy.of Tp.).

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground, for closing cor.of secs.13 and 24,mkd.on brass cap

	T 1 S	
R 9W.	R 8 W	
	S 18	
S 13	C	S 19.
S 24	C	

1913

Dig pits, 18x18x12 ins.N.and S.of post,3 ft.and W.of post 7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high, W.of cor.

Note;I destroy all marks on the cor.of secs.13,18,19, and 24,which pertain to secs.13 and 24.

Thence I run

S.89°55'W.,on a true line bet.secs.13 and 24.

Over nearly level valley;Scattering salt weeds.

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

Chains	
	ground,for ¼ sec.cor.mkd.on brass cap
	¼ S 13 / S 24 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and
	raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.28	The cor.of secs.13,14,23,and 24.
	Land,level.
	Soil,clay alkali.
	Undergrowth,salt weeds.
	N.0°1'W.,bet.secs.13 and 14.
	Over level land;through scattering salt weeds.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the
	ground,for ¼ sec.cor.mkd.on brass cap
	¼ S 14 | S 13 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and
	raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
76.00	Road from Delle to Redlamb Springs,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.11,12,13,and 14,mkd.on brass cap
	T 1 S | R 9 W S 11 | S 12 S 14 | S 13 1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise
	a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land valley.
	Soil,heavy clay saturated with alkali and salt.
	No timber.
	Undergrowth,salt weeds.
	N.89°55'E.,on a random line bet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
80.34	Intersect E.bdy.of Tp.,38 lks.S.of the cor.of secs.

Chains	
	7,12,13,and 18,heretofore described.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.12 and 13,mkd.on brass cap
	T 1 S R 9 W R 8 W S 7 S 12 C S 18 S 13 C 1913
	Dig pits,24x18x12 ins.,crosswise on each line,N.and S., 3 ft.and W.of post,7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Note:I destroy all marks on the cor.of secs.7,12,13,and 18,which pertain to secs.12 and 13.
	Thence I run
	S.89°55'W.,on a true line bet.secs.12 and 13.
	Over level land;through scattering salt weeds.
40.17	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 12 S 13 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
76.00	Road from Delle to Redlamb Springs,bears NE and SW.
80.34	The cor.of secs.11,12,13,and 14.
	Land,level valley.
	Soil,heavy clay and alkali.
	Undergrowth,salt weeds. No timber.
	May 17,1913.

	May 19,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°44'N.,on the lat.arc;19°45'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.11,12,13,and 14.
	Thence I run
	N.0°01'W.,bet.secs.11 and 12.
	Over level land;through scattering salt weeds.

Chains

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

¼ S 11 | S 12
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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,mkd.on brass cap

T 1 S | R 9 W
S 2 | S 1
S 11 | S 12
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay and alkali.

Undergrowth,salt weeds.

No timber.

N.89°55'E.,on a random line bet.secs.1 and 12.

40.00 Set temp.¼ sec.cor.

80.34 Intersect E.bdy.of Tp.,56 lks.S.of the cor.of secs.1,6,7,and 12,heretofore described.

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.1 and 12,mkd on brass cap

T 1 S R x 9 x W

R 9 W | R 8 W
S 6
S 1 | C | S 7
S 12 | C
1913

Dig pits,24x18x12 ins.,N and S of post,3 ft.and W.of post,7 ft.dist.;and raise a mound of earth,4 ft.base, 2 ft.high,W.of cor.

Note:I destroy all marks on the cor.of secs.1,6,7,and 12.which pertain to secs.1 and 12.

Thence I run

S.89°55'W.,on a true line bet.secs.1 and 12.

Over level valley.

Chains Through dense salt weeds.

2.50 Road,from Delle to Redlamb Springs,bears NE and SW.

40.17 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 1
S 12
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.; and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.34 The cor.of secs.1,2,11,and 12.

Land,level valley.

Soil,heavy clay;and alkali.

No timber.

Undergrowth,salt weeds,and a few scattering greasewoods.

N.0°01'W.,on a true line bet.secs.1 and 12.

Over level valley;through scattering undergrowth.

3.00 Asc.6 ft.to shadscale flat,bears E.and W.

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

¼ S 2 | S 1
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft. dist..and raise a mound of earth,3½ ft.base,1½ ft.high,W. of cor.

80.89 Intersect Salt Lake Base line,46 lks.W.of the Base Line cor. of secs.35 and 36,an iron post 3 ins.dia.,12 ins.above ground,mkd.and witnessed as described by surveyor general. Set an iron post,3 ft.long,2 in s.in dia.,24 ins.in the ground,for closing cor.of secs.1 and 2,mkd.on brass cap

T 1 N R 9 W
S 35 | S 36
C C
S 2 | S 1
1913

dig pits,24x18x12 ins.,E.and W.,3 ft.dist;and S.of post 7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high, S.of cor.

Land,level.Soil, clay 3rd rate.Undergrowth,shadscales. No timber.

May 19,1913 11 a.m.

Robert D Dalton
U.S.Transitman.

Chains

Survey commenced May 16, 1913, and executed with a Keuffel & Esser light mountain transit No.20578 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 and declination arcs.

The instrument was examined tested on the meridian at Salt Lake City, found correct and was approved by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys.

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 p.m. and a.m. hours with a meridian established by observation on Polaris I proceed as follows:

At the cor. of secs. 2,3,34 and 35 on S. bdy. of Tp., latitude 40°40'51"N., longitude 112°49'50"W. I set off 40°41'N. on the lat. arc; 19°10'N. on the decl. arc; and at 4h 56m p.m.,l.m.t., I determine a meridian with the solar and mark a point thereof on a stone firmly set in the ground 5.00 chs. N. of the cor.

May 16, 1913.

May 17, 1913: At 7h 54m a.m.,l.m.t., I observe Polaris at eastern elongation in accordance with the Manual and mark a point thereof on a wooden plug set in the ground 5.00 chs. N. of the cor.

At 6h 50m a.m.,l.m.t., I lay off the azimuth of Polaris 1°31' to the west and mark a point in the meridian thus determined by a cross on the stone already set 5.00 chs. N. of the cor.; this mark falls 0.4 ins. east of the mark determined by the solar.

At 7h 56m a.m.,l.m.t., I set off 40°41'N. on the lat.arc; 19°18'N. on the decl. arc; and mark the meridian determined with the solar by cutting a small groove in the stone already set 5.00 chs. N. of cor.; this mark falls 0.35 ins. east of the meridian determined by

Sub. T. 1 S., R. 9 W.- Continued.

Chains	
	Polaris observation. The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'21" west and 0'18" east of the meridian established by Polaris observation; therefore I concluded that the adjustments of the instrument are satisfactory. The magnetic bearing of the meridian at 8h 30m a.m. is N.16°48'W. the angle thus determined gives the mag. decl. 16°48'E.
	From the cor. of secs. 2, 3, 34 and 35 on S. bdy. of Tp. heretofore described. Thence I run N.0°02'W. bet. secs. 34 and 35. Over level land; in Skull Valley, through dense shadscales and greasewood.
40.00	Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., mkd. on brass cap ¼ S 34 | S 35 1913 Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
47.10	Wash, 30 lks. wide, 10 ft. deep, course E. Asc. gradually.
80.00	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, mkd. on brass cap T 1 S | R 9 W S 27 | S 26 S 34 | S 35 1913 Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level valley. Soil, clay about 2 ft. deep, considerable alkali. Undergrowth, shadscales and greasewood. No timber.

Chains	
	S.89°45'E.,on a random line bet.secs.26 and 35.
40.00	Set temp.¼ sec.cor.
80.16	Intersect N.and S.line,2 lks.S.of the cor.of secs.25,26, 35,and 36.
	Thence I run
	N.89°46'W.,on a true linebet.secs.26 and 35.
	Over level valley;through scattering salt weeds.
15.00	Leave salt weeds and enter dense greasewoods,bears N.and S.
40.08	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 26 / S 35 / 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.; and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.16	The cor.of secs.26,2 7,34,and 35.
	Land,valley.
	Soil,heavy clay 3rd and 4th rate.considerable alkali.
	No timber.
	Undergrowth,salt weeds on E.15.00 chs.and greasewoods on W.65.16 chs.

	N.0°02'W.,bet.secs.26 and 27.
	Over level valley ;through dense undergrowth .
37.60	Wash,20 lks.wide,3 ft.deep,course E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor. mkd.on brass cap
	¼ S 27 | S 26 / 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
80.00	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,mkd.on brass cap
	T 1 S | R 9 W / S 22 | S 23 / S 27 | S 26 / 1913

Chains	
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,3 ft.base,2 ft.high,W.of cor.
	Land level.
	Soil,heavy clay and alkali.3rd and 4th rate.
	No timber.
	Undergrowth,shadscales and greasewood.
	No grass.
	May 17,1913:At this cor.I set off 19°20'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.
	S.89°46'E.,on a random line bet.secs.23 and 26.
40.00	Set temp.¼ sec.cor.
80.10	Intersect N.and S.line,4 lks.N.of the cor.of secs.23,24, 25,and 26.
	Thence I run
	N.89°44'W.,on a true line bet.secs.23 and 26.
	Over barren alkali flat.
40.05	Set an iron post ,3 ft.long,1 in.in dia.,26 in .in the ground,for ¼ sec.cor..mkd.on brass cap.
	¼ S 23 / S 26
	1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
75.00	Enter dense greasewood and shadscales,bears N.and S.
80.10	The cor.of secs.22,23,26,and 27.
	Land,level valley.
	Soil,heavy clay containing considerable alkali.
	No timber.
	Undergrowth,greasewood and shadscales on W.5.10 chs.
	N.0°02'W.,bet.secs.22 and 23.

Sub.T.1 S.,R.9 W.-Continued.

Chains	
	Over level land;through dense undergrowth.
12.60	Wash,25 lks.wide,2 ft.deep,course S.75°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 22 | S 23 1913 Dig pits,18x18x12 ins.,N.and S.of post,3 ft. dist.,and raise a mound of earth,3½ ft.base,1½ ft.high,W.o of cor.
80.00	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,mkd.on brass cap T 1 S | R 9 W S 15 | S 14 S 22 | S 23 1913 Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,clay containing considerable alkali and salt.
	Subsoil,clay.
	No timber.
	Undergrowth,shadscales and greasewood.
	No grass.

	S.89°44'E.,on a random line bet.secs.14 and 23.
40.00	Set temp.½ sec.cor.
80.14	Intersect N.and S.line,1 lk.N.of the cor.of secs.13,14,23, and 24.
	Thence I run
	N.89°44'W.,on a true line bet.secs.14 and 23.
	Over level land;through scattering salt weeds.
40.07	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap ½ S 14 S 23 1913 Dig pits,18x18x12 ins.E and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

Chains

47.00 Enter dense undergrowth,bears N.and S.

80.14 The cor.of secs.14,15,22,and 23.

Land,level.

Soil,heavy clay well saturated with alkali and salt.

No timber.

Undergrowth,greasewood and shadscales on W.33.14 chs.

May 17,1913.

May 19,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°43'N., on the lat.arc;19°45'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.14,15,22,and 23.

Thence I run

N.0°02'W.,bet.secs.14 and 15.

Over level land;through dense undergrowth.

4.40 Road,from Delle to Redlamb Springs,bears NE and SW.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 15 | S 14
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.10,11,14,and 15,mkd.on brass cap

T 1 S | R 9 W
S 10 | S 11
S 15 | S 14
1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,heavy clay;3rd rate.

No timber.

Undergrowth,shadscales and greasewood.

No grass.

Chains

S.89°44'E.,on a random line bet.secs.11 and 14.

40.00 Set temp.¼ sec.cor.

80.18 Intersect N.and S.line,5 lks.N.of the cor.of secs.11,12,13, and 14.

Thence I run

N.89°42'W.,on a true line bet.secs.11 and 14.

Over level land;through scattering salt weeds.

40.09 Set an iron post ,3 ft.long,1 in. n dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 11

S 14
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

50.00 Leave salt weeds and enter dense shadscales and greasewood bears N.and S.

80.18 The cor.of secs.10,11,14,and 15.

Land,level valley.

Soil,heavy clay .

Subsoil,clay.

No timber.

Undergrowth,salt weeds on E.50.00 chs.and greasewood and shadscales on W.30.18 chs.

N.0°02'W.,bet.secs.10 and 11.

Over level valley;through dense undergrowth.

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

¼ S 10 | S 11
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 Set an iron post,3 ft.long,2 ins.dia.,24 ins.in the ground,for cor.of secs.2,3,10,and 11,mkd.on brass cap

T 1 S | R 9 W
S 3 | S 2

S 10 | S 11

1913

Chains

dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,heavy clay;3rd rate.

No timber.

Undergrowth,shadscales and greasewood.

No grass.

May 19,1913:At this cor.I set off 19°46'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°45'N.,which is the proper lat.nearly.

S.89°42'E.,on a random line bet.secs.2 and 11.

40.00 Set temp.¼ sec.cor.

80.18 Intersect N.and S.line,2 lks.S.of the cor.of secs.1,2,11, and 12.

Thence I run

N.89°43'W.,on a true linebet.secs.2 and 11.

Over level land;through scattering greasewood and salt woeds.

40.09 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap

¼ S 2

S 11
1913

Dig pits,18x18x12 ins.E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

58.00 Enter dense undergrowth,bears N.and S.

80.18 The cor.of secs.2,3,10,and 11.

Land,.level.

Soil,heavy clay;3rd and 4th rate.

No timber.

Undergrowth,shadscales greasewood and salt woeds.

Sub.T.1 S.,R.9 W.-Continued.

Chains

N.0°02'W.,on a true line bet.secs.2 and 3.

Over level land;through dense undergrowth.

6.90 Road,bears N.30°E.and S.30°W.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 3 | S 2
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.46 Intersect Salt Lake Base Line,73 lks.West of the cor.of secs.34 and 35,an iron post 3 ins.dia.12 ins.above ground marked and witnessed as described by the surveyor general.

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.2 and 3,mkd.on brass cap

T 1 N R 9 W
S 34CC | S 35
S 3 | S 2
1913

Dig pits,24x18x12 ins.,crosswise on each line E.and W.3 ft and S.of post,7 ft.dist.;and raise a mound of earth,4 ft. base,2 ft.high,S.of cor.

Land,level.

Soil,heavy clay;considerable alkali.

No timber.

Undergrowth,shadscales and greasewood.

Land covered with dense undergrowth,80.46 chs.

May 19,1913.

John R Stewart
U.S.Surveyor.

May 19,1913:At 2 p.m., I turn from a meridian already determined at the cor.of secs.3,4,33,and 34,on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°02'W.,bet.secs.33 and 34.

Over mountainous land;through dense undergrowth.

Sub.T.1 S.,R.9 W.-Continued.

Chains

Desc.

8.90 Bottom of hollow,25 ft below cor.,course S.70°E.

Asc.

28.60 Top of ridge,200 ft.above hollow,bears N.80°W.and S.80°E.

Desc.

40.00 Set an iron post,3 ft.long,1 in.in dia.12 ins.in the ground,on solid rock,and surrounded by mound of stone,for ¼ sec.cor..mkd.on brass cap

¼ S 33	S 34
1913	

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

60.00 Foot of descent,250 ft.below ridge,bears NW and SE.

Enter Skull Valley.

72.10 Wash,250 lks.wide,25 ft.deep,course N.80°E.

75.40 Wash,30 lks.wide,10 ft.deep,course S.80°E.

80.00 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,mkd.on brass cap

T 1 S	R 9 W
S 28	S 27
S 33	S 34
1913	

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,mountainous and rolling valley.

Soil,gravelly on mountainous land;and clay and sandy loam on valley land;2nd and 3rd rate.

No timber.

Undergrowth,shadscales and greasewood.

Good grass for grazing on mountainous land.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

S.89°50'E.,on a random line bet.secs.27 and 34.

40.00 Set temp.½ sec.cor.

80.20 Intersect N.and S.line,at the cor.of secs.26,27,34,and 35.

Thence I run

Chains	
	N.89°50'W.,on a true line bet.secs.27 and 34.
	Over nearly level land;through dense undergrowth.
	Asc.gentle slope.
27.70	Wash,20 lks.wide,18 ins.deep,course S.65°E.
40.10	Set an iron post,3 ft.long,1 in.in dia.,18 ins.in the ground,on solid rock,and surrounded with mound of stone, for ¼ sec.cor..mkd.on brass cap ¼ S 27 / S 34 / 1913
	Dig pits,18x18x12 ins.E.and W.of post,3 ft. dist.and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
53.90	Road,bears N.and S.
72.10	Wash,25 lks.wide,10 ft.deep,course SE.
80.20	The cor.of secs.27,28,33,and 34.
	Land nearly level valley.
	Soil,clay loam with streaks of gravel;2nd rate .1 to 2 ft. deep.Subsoil,clay.
	No timber.
	Undergrowth,sage brush and shadscales.
	A little grass.
	Land covered with dense undergrowth,80.20 chs.
	May 19,1913.

May 20,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°43'N., on the lat.arc;19°57'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.27,28,33, and 34.

Thence I run

N.0°02'W.,bet.secs.27 and 28.

Over nearly level valley;through dense undergrowth,

4.35	Wash,35 lks.wide,4 ft.deep,course E.
21.90	Wash,30 lks.wide,5 ft.deep,course E.
37.60	Wash,25 lks.wide,3 ft.deep,course N.80°E.
40.00	Set an iron post,3 ft.long,1 in.in dia., 12 ins.in the ground,on solid rock,and surrounded by mound of stone,

Chains

for ¼ sec.cor.mkd.on brass cap

¼ S 28 | S 27
1913

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

60.00 Begin ascent of rolling hills,bears E.and W.

80.00 Top of broad ridge,40 ft.above valley,bears E.and W.

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.21,22,27,and 28,mkd.on brass cap

T 1 S | R 9 W
S 21 | S 22

S 28 | S 27
1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,valley and rolling hills.

Soil,gravelly loamfrom 1 to 2 ft.deep,2nd rate.Subsoil, gravel and clay.

No timber.

Undergrowth,bud sage and shadscales.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

S.89°50'E.,on a random line bet.secs.22 and 27.

40.00 Set temp.¼ sec.cor.

80.26 Intersect N.and S.line at the cor.of secs.22,23,26,and 27.

Thence I run

N.89°50'W.,on a true line bet.secs.22 and 27.

Overnearly level valley;through dense undergrowth.

Asc.gradually.

10.80 Leave greasewood and enter shadscales and bud sage,bears N.and S.

20.50 Leave valley and asc.foot hills,bears N.and S.

20.60 Road,bears N.and S.

40.13 Set an iron post,3 ft.long,1 in.in dia.,18 ins.in the ground,on solid cemented gravel,and surrounded by mound of stone,for ¼ sec.cor.mkd.on brass cap

Chains	
	$\frac{1}{4}$ S 22 / S 27 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
46.60	Top of ridge,150 ft.above valley,bears N.and S.and W.
	Thence ascend along top of ridge.
80.26	The cor.of secs.21,22,27,and 28.
	Land,nearly level valley on E.20.50 chs. and soil is clay .The W.59.76 chs.is rolling hills with gravelly soil,1 to 2 ft.deep,with gravel for subsoil.
	No timber.
	E.10.80 chs.is greasewood undergrowth and balance of mile is shadscales and bud sage.
	Some grass in patches.
	Land covered with dense undergrowth,80.26 chs.
	May 20,1913:At this cor.I set off 19°59'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.n arly.

	N.0°02'W.,bet.secs.21 and 22.
	Over rolling hills;through dense undergrowth.
	Desc.
10.00	Road,from Delle to Redlamb Springs,bears NE and SW.
25.10	Wash,125 lks.wide,5 ft.deep,course E.
28.60	Road,bears E.and W.
32.00	Bottom of hollow,60 ft.below sec.cor.,course E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,18 ins.in the ground,on cemented gravel,and surrounded by mound of stone,for ¼ sec.cor..mkd.on brass cap
	$\frac{1}{4}$ S 21 | S 22 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.; and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
42.30	Road,bears N.65°W.and S.65°E.
45.25	Top of spur,75 ft.above hollow,bears NE and SW.

Chains	
51.50	Bottom of hollow,75 ft.below ridge,course N.30°E.
	Asc.
79.90	Wash,10 lks.wide,4 ft.deep,course E.
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,mkd.on brass cap

T 1 S | R 9 W	
S 16	S 15
S 21	S 22

1913

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

Land,rolling foot hills,drainage is east.

Soil,gravelly loam about 1 ft.deep,2nd rate.Subsoil,gravel and hard clay.

No timber.

Undergrowth,shadscales and bud sage.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

S.89°50'E.,on a random line bet.secs.15 and 22.

40.00	Set temp.¼ sec.cor.
80.22	Intersect N.and S.line,5 lks.S.of the cor.of secs.14,15,22, and 23.

Thence I run

N.89°52'W.,on a true line bet.secs.15 and 22.

Over nearly level land;in Skull Valley;through dense greasewoods.

Asc.gradually.

5.45	Road from Delle to Redlamb Springs,bears NE and SW.
10.50	Leave greasewood and enter shadscales and bud sage,bears N.and S.

Leave valley and enter foot hills,bears N.and S.

Asc.

33.60	Road,bears N.and S.
40.11	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

Chains	
	½ S 15 / S 22 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
50.60	Wash,50 lks.wide,3 ft.deep,course SE.
80.22	The cor.of secs.15,16,21,and 22.
	Land,level and rolling foot hills.
	Soil,clay loam 3rd rate in valley and gravelly 3rd rate in foot hills.Subsoil,clay and gravel.
	No timber.
	Undergrowth,greasewood in valley and shadscales and bud sage in foot hills.
	Some grass on W.69.72 chs.
	Land covered with dense undergrowth,80.22 chs.
	May 20.1913.

	May 21,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°43'N.,on the lat.arc;20°10'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°02'W.,bet.secs.15 and 16.
	Over rolling foot hills;through dense undergrowth.
	Asc.
5.30	Wash,50 lks.wide,12 ft.deep,course E.
34.50	Top of spur,100 ft.above cor.,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,18 ins.in the ground,on cemented gravel and surrounded by mound of earth and stone,for ½ sec.cor..mkd.on brass cap
	½ S 16 | 1913 S 15
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

Chains

50.90 Wash,40 lks.wide,8 ft.deep,course N.85°E.

54.10 Wash,90 lks.wide,20 ft.deep,course E.

55.00 Enter scattering cedar timber,bears E.and W.

68.40 Wash,30 lks.wide,6 ft.deep,course N.20°E.

78.60 Wash,60 lks.wide,4 ft.deep,course E.

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,mkd.on brass cap

T 1 S.	R 9 W
S 9	S 10
S 16	S 15

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

1913

Land,rolling foot hills sloping and draining east into Skull Valley.

Soil gravelly loam 1 to 2 ft.deep,2nd rate.with cemented gravel and hard clay subsoil.

Timber,scattering cedar on N.25.00 chs.

Undergrowth,shadscales and bud sage.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

S.89°52'E.,on a random line bet.secs.10 and 15.

40.00 Set temp.¼ sec.cor.

80.26 Intersect N.and S.line,5 lks.S.of the cor.of secs.10,11, 14,and 15.

Thence I run

N.89°54'W.,on a true line bet.secs.10 and 15.

Over level land in Skull Valley;through dense greasewood.

33.00 Leave greasewood and enter bud sage and shadscales,bears N.and S.

Leave valley and ascend over rolling foot hills,bears N.and S.

33.80 Road,bears N.and S.

39.05 Road,bears N.and S.

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

Sub.T.1 S.,R.9 W.-Continued.

Chains ground,for ¼ sec.cor..mkd.on brass cap

¼ S 10 xm

S 15
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

56.70 Wash,35 lks.wide,3 ft.deep,course N.60°E.

73.00 Road,bears N.and S.

78.70 Road,bears N.and S.

80.26 The cor.of secs.9,10,15,and 16.

Land,level valley on E.33.00 chs.and rolling hills sloping and draining east on balance of mile.

Soil,is heavy clay on east 33.00 chs.and gravelly loam2nd rate.on balance of mile.

No timber.

Undergrowth,greasewood on E.33.00 chs.and shadscales and bud sage on balance of mile.

Some grass in patches.

N.0°02'W.,bet.secs.9 and 10.

Over rolling foot hills through dense undergrowth.

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

S 9 | S 10
1913

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

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,mkd.on brass cap

T 1 S | R 9 W
S 4 | S 3

S 9 | S 10
1913

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

Land rolling hills sloping east .

Soil,gravelly loam with patches of rock;2nd and 3rd rate.

No timber.

Undergrowth,shadscales and bud sage.

Good grass for grazing.

Chains

Land covered with dense undergrowth,80.00 chs.

May 21,1913:At this cor.I set off 20°11'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°45'N.,which is the proper lat.nearly.

S.89°54'E.,on a random line bet.secs.3 and 10.

40.00 Set temp.½ sec.cor.

80.28 Intersect N.and S.line,at the cor.of secs.2,3,10,and 11,

Thence I run

N.89°54'W.,on a true line bet.secs.3 and 10.

Over level land;through scattering undergrowth.

8.00 Leave valley and begin asc.over rolling foot hills,bears N.and S.

Enter dense greasewood and shadscales,bears N.and S.

12.00 Road,bears N. 60°E.and S.60°W.

40.14 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 3
S 10
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

42.00 Wash,20 lks.wide,4 ft.deep,course S.15°E.

80.28 The cor.of secs.3,4,9,and 10.

Land,level valley on E.8.00 chs.with heavy clay loam soil,and clay subsoil,considerable alkali and scattering greasewood.West72.28 chs.is in foot hills and the soil varies from heavy clay to light gravel with some patches of rock running through usually in the washes.

Undergrowth,greasewood and shadscales.

Some patches of good grass.

Land covered with dense undergrowth,72.28 chs.

No timber.

Sub.T.1 S.,R.9 W.-Continued.

Chains	
	N.0°02'W.,on a true line bet.secs.3 and 4.
	Over rolling land;through dense undergrowth.
13.10	Wash,20 lks.wide,2 ft.deep,course S.20°E.
26.00	Road,bears N.30°E.and S.30°W.
30.00	Begin ascent of ridge,bears N.70°E.and S.70°W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 4 | S 3 1913
	And raise a mound of stone,2 ft.base,1½ ft. high,W.of cor.
43.70	Top of ridge,50 ft.above foot,bears N.70°E.and S.70°W.
	Desc.
56.75	Wash,30 lks.wide,4 ft.deep,course S.80°E.
61.50	Wash,40 lks.wide,3 ft.deep,course S.75°E.
	Asc.
71.70	Top of ridge,30 ft.above wash,bears E.and W.
	Desc.
76.50	Wash,25 lks.wide,2 ft.deep,course N.35°E.
	Asc.
80.48	Intersect Salt Lake Base line,119 lks.West of the Base Line
	cor.of secs.33 and 34,an iron post 3 ins.dia.in earth and mound of stone,mkd.and witnessed as described by sur.general.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.3 and 4,mkd.on brass cap
	T 1 N R 9 W S 33 S 34 C C S 4 S 3 1913
	Dig pits,24x18x12 ins.,crosswise on each line,E.and W., 3 ft.and S.of post,7 ft.dist.;and raise a mound of earth 4 ft.base,2 ft.high,S.of cor.
	Land,rolling with general east slope and drainage.
	Soil,gravelly loam good quality except in patches where it is rocky and hard.
	No timber.
	Undergrowth,shadscales.
	Good grass for grazing.
	Land covered with dense undergrowth,80.48 chs.

Chains	
	May 21,1913.
	Robert W. Dalton
	U.S.Transitman.

May 20,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°41'N.,on the lat.arc;19°57'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,32,and 33, on S.bdy.of Tp., heretofore described.

Thence I run

N.0°03'W.,bet.secs.32 and 33.

Over rolling foot hills;through dense undergrowth.

Desc.

29.00 Bottom of hollow,75 ft.below cor.,course N.80°E.

Asc.

35.00 Top of ridge,560 ft.above hollow,bears E.and W.

Desc.

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

¼ S 32 | S 33
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

52.75 Bottom of hollow,50 ft.below ridge,course E.

Asc.

72.40 Wash,80 lks.wide,20 ft.deep,course E.

78.00 Wash,40 lks.wide,6 ft.deep,course S.80°E.

Asc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,20 ins.in the ground,on cemented gravel,and surrounded by mound of stone and earth,for cor.of secs.28,29,32 ,and 33,mkd.on brass cap

T 1 S | R 9 W
S 29 | S 28
S 32 | S 33
1913

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

Chains	
	Land rolling foot hills,gradualx east slope.
	Soil,gravelly loam good quality,1 to 3 ft.deep,with some patches of rocky soil .
	No timber.
	Undergrowth,shadscales ,bud sage,and rabbit brush.
	Good grass for grazing.
	Land covered with dense undergrowth,80.00 chs.
	———
	S.89°42'E.,on a random line bet.secs.28 and 33.
40.00	Set temp.½ sec.cor.
79.70	Intersect N.and S.line,2 lks.N.of the cor.of secs.27,28, 33,and 34.
	Thence I run
	N.89°41'W.,on a true line bet.secs.28 and 33.
	Over nearly level land;in Skull Valley;through dense undergrowth.
	Asc.gently.
11.50	Wash,40 lks.wide,5 ft.deep,course S.80°E.
29.00	Wash,50 lks wide,4 ft.deep,course N.55°E.
39.85	Set an iron post,3 ft.long,1 in.in dia.;14 ins.in the ground,on cemented gravel,and surrounded by mound of earth and stone,for ½ sec.cor..mkd.on brass cap
	¼ S 28 / S.33 / 1913
	Dig pits,18x18x12 ins. E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
57.50	Wash,25 lks.wide,4 ft.deep,course N.80°E.
69.00	Leave valley and begin ascent over rolling foot hills, bears N.and S.
79.70	The cor.of secs.28,29,32,and 33.
	E.69 chs.is nearly level valley with clay soil of a good quality supporting a dense undergrowth of shadscales and bud sage.The west 10.70 chs.is in rolling foot hills sloping east;the soil runs from clay to gravel and is

Chains

very rocky in streaks.Subsoil is clay and gravel.

No timber.

Undergrowth,shadscales and bud sage.

Some good grass in patches.

Land covered with dense undergrowth,79.70 chs.

May 20,1913:At this cor I set off 19°59'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°42'N.,which is the proper lat.nearly.

N.0°03'W.,bet.secs.28 and 29.

Over rolling hills and through dense undergrowth.

Desc.

3.60 Wash,50 lks.wide,8 ft.deep,course S.80°E.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap.

¼ S 29	S 28

1913

Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

41.30 Wash,10 lks.wide,2 ft.deep,in bottom of swale,50 ft.below sec.cor.,course SE.

Asc.

45.35 Road from Delle to Redlamb springs,bears N.80°W.and S.80°E.

51.75 Wash,175 lks.wide,7 ft.deep,course SE.

Asc.

77.80 Wash,60 lks.wide,6 ft.deep,course SE.

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;mkd.on brass cap

T.1 S	R 9 W
S 20	S 21
S 29	S 28

1913

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

Land rolling hills,sloping and draining east into Skull valley.

Chains	
	Soil,gravelly and rocky,1 to 2 ft.deep,3rd rate.
	Subsoil,cemented gravel and hard clay.
	No timber.
	Undergrowth,shadscales and bud sage.
	Good grass in patches.
	Land covered with dense undergrowth,80.00 chs.
	May 20,1913.

	May 21,1913:At 7 h 56 m a.m. l.m.t.,I set off 40°42'N.,on the lat.arc;20°10'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°41'E.,on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
79.76	Intersect N.and S.line,5 lks.S.of the cor.of secs.21,22, 27,and 28.
	Thence I run
	N.89°43'W.,on a true line bet.secs.21 and 28.
	Over rolling foot hills through dense undergrowth.
	Asc.along top of ridge.
5.00	Leave ridge top,bears E.and NW.
	Desc.
10.70	Road from Delle to Redlamb Springs,bears NE and SW.
39.88	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 21 / S 28 / 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
72.00	Wash,20 lks.wide,2 ft.deep,course SE.
79.76	Intersect the cor.of secs.20,21,28,and 29.
	Land,rolling hills.
	Soil,gravelly;3rd rate.
	No timber.

Sub.T.1 S.,R.9 W.-Continued.

Chains	
	Undergrowth,shadscales.
	Good grass.
	Land covered with dense undergrowth,79.76 chs.
	May 21,1913:At this cor.I set off 20°11'N.,on the decl.arc and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°42'N.,which is the proper lat.nearly.

	N.0°03'W.,bet.secs.20 and 21.
	Over rolling hills;through dense undergrowth.
	Asc.
7.30	Wash,80 lks.wide,9 ft.deep,course SE.
11.20	Wash,50 lks.wide,5 ft.deep,course S.20°E.
18.60	Road,bears N.65°W.and S.65°E.
30.00	Begin ascent of ridge,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on rock,and surrounded by mound of stone,for ¼ sec.cor..mkd.on brass cap ¼ S 20 | S 21 1913 And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
55.00	Top of spur,100 ft.above ¼ sec.cor.,bears NW and SE.
	Desc.
78.60	Bottom of hollow,150 ft.below ridge,course E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,16 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.16,17,20,and 21,mkd.on brass cap T 1 S | R 9 W S 17 | S 16 S 20 | S 21 1913 And raise a mound of stone,2 ft.base,1 ½ ft.high,W.of cor.
	Land,rolling and mountainous all sloping and draining east into Skull Valley.

Sub.T.1 S.,R.9 W.-Continued.

Chains	
	Soil,gravelly;3rd rate.Subsoil,cemented gravel and rock.
	No timber.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	May 21,1913.

	May 22,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°43'N.,
	on the lat.arc;20°22'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
	S.89°43'E.,on a random line bet.secs.16 and 21.
40.00	Set temp.¼ sec.cor.
79.78	Intersect N.and S.line,5 lks.S.of the cor.of secs.
	15,16,21,and 22.
	Thence I run
	N.89°45'W.,on a true line bet.secs.16 and 21.
	Over rolling foot hills;through dense undergrowth.
	Asc.
25.30	Wash,70 lks.wide,3 ft.deep,course SE.
39.89	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the
	ground,on solid rock,and surrounded by mound of earth
	and stone,for ¼ sec.cor..mkd.on brass cap
	¼ S 16 / S 21 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
73.20	Top of spur,250 ft.above wash,bears NW and SE.
	Desc.
75.75	Ledge,30 ft.high,bears NW and SE.
79.78	The cor.of secs.16,17,20,and 21.
	Land,rolling and mountainous.
	Soil,gravelly poor quality and hard with cemented gravel
	subsoil.

Chains

No timber.

Undergrowth,shadscales and bud sage.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

79.78 chs.

N.0°03'W.,bet.secs.16 and 17.

Over mountainous land;through dense undergrowth.

Asc.

8.00 Enter heavy timber,bears NW and SE.

27.50 Top of ridge,750 ft.above cor.,bears NW and SE

Desc.

37.50 Bottom of hollow,275 ft.below ridge,course N.60°E.

Asc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap

¼ S.17 | S 16
1913

From which

A cedar,15 ins.dia.,bears N.83°E.,40 lks. dist..mkd.¼ S 16 B T.,

A cedar,8 ins.dia.,bears S.78°W.,88 lks. dist..mkd.¼ S 17 B T.

53.00 Top of spur,100 ft.above hollow,projects N.70°E.

Desc.

71.50 Bottom of hollow,325 ft.below spur,course E.

Asc.

77.50 Top of ridge,275 ft.above hollow,bears N.70°W.and S.70° E.

Desc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,18 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.8,9,16,and 17,mkd.on brass cap

T 1 S | R 9 W
S 8 | S 9
S 17 | S 16
1913

Chains	
	from which
	A cedar,8 ins.dia.,bears N.60°E.,41 lks. dist..mkd.T 1 S R 9 W S 9 B T.
	A cedar,8 ins.dia.,bears S.22°E.,129 lks. dist..mkd.T 1 S R 9 W S 16 B T.
	A cedar,14 ins.dia.,bears S.77°W.,64 lks. dist..mkd.T 1 S R 9 W S 17 B T.
	A cedar,14 ins.dia.,bears N.62°W.,62 lks. dist..mkd.T 1 S R 9 W S 8 B T.
	Land,mountainous steep and rough.
	Soil,gravelly and rocky from 6 ins.to 1 ft.deep,with hard gravel and rock subsoil.
	Timber,cedar,Scrubby.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	May 22,1913:At this cor.I set off 20°23'N.,on the decl. arc;arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°44'N.,which is the proper lat.nearly.
	—
	S.89°45'E.,on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor.29x70
79.70	Intersect N.and S.line,5 lks.S.of the cor.of secs.9,10, 15,and 16.
	Thence I run
	N.89°47'W.,on a true line bet.secs.9 and 16.
	Over rolling foot hills;through dense undergrowth.
	Asc.
12.00	Begin abrupt ascent of mountain,bears N.and S.
39.85	Set an iron post,3 ft.long,1 in.in dia.,16 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap

Sub.T.1 S.,R.9 W.-Continued.

Chains

$\frac{1}{2}$ S 9

S 16
1913

From which

A cedar,6 ins.dia.,bears N.40°W.,42 lks.
dist..mkd.$\frac{1}{2}$ S 9 B.T.

A cedar,12 ins.dia.,bears S.47°W.,58 lks.
dist..mkd.$\frac{1}{2}$ S 16 B T.

53.50 Top of spur,250 ft.above hollow,bears N.20°W.and S.20°E.

Desc.

56.00 Head of swale,50 ft.below spur,course S.

Asc.

59.80 Top of ridge,50 ft.above swale,bears NW and SE.

69.00 Bottom of canon,225 ft.below ridge,course SE.

Asc.

70.00 Enter heavy timber,bears NW and SE.

79.70 The cor.of secs.8,9,16,and 17.

Land,mountainous and rolling hills.

Soil,gravelly with patches of rock.2nd and 3rd rate.

Subsoil,cemented gravel and rock

Timber,cedar

Undergrowth,shadscales and bud sage.

Godd grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,79.70 chs.

May 22,1913.

May 23,1913:At 7 h 57 ma.m.,l.m.t.,I set off 40°44'N., on the lat.arc;20°34'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.8,9,16,and 17.

Thence I run

N.0°03'W.,bet.secs.8 and 9.

Over mountainous land;through heavy timber and scattering undergrowth.

Chains	
	Desc.
.50	Bottom of hollow,20 ft.below cor.,course E.
	Asc.
2.60	Top of spur,60 ft.above hollow,bears N.70°E.and S.70°W.
	Desc.
5.10	Bottom of hollow,150 ft.below spur,course N.70°E.
	Asc.
12.00	Top of spur,250 ft.above hollow,bears N.60°W.and S.60°E.
	Desc.
16.50	Bottom of canon,150 ft.below spur,course SE.
	Asc.
23.80	Top of ridge,425 ft.above canon,bears N.65°W.and S.65° E.
	Desc.
29.30	Bottom of hollow,250 ft.below ridge,course E.
	Asc.
38.20	Top of spur,200 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,16 ins.in the ground,on solid rock,and surrounded by mound of stone, for ½ sec.cor..mkd.on brass cap ½ S 8 | S 9 1913 From which A cedar,14 ins.dia.,bears N.85°E.,63 lks. dist..mkd.½ S 9 B T. A cedar,10 ins.dia.,bears N.82°W.,54 lks. dist..mkd.½ S 8 B T.
45.80	Bottom of hollow,275 ft.below spur,course E.
	Asc.
50.50	Top of spur,175 ft.above hollow,projects E.
	Desc.
56.00	Bottom of ravine 250 ft.below spur,course E.
	Asc.
60.45	Top of spur,200 ft.above ravine,bears E.and W.
	Desc.
65.50	Ravine,100 ft.deep,course E.

Chains

Asc.

69.00 Top of spur,150 ft.above ravine,projects E.

Desc.

73.70 Bottom of hollow,200 ft.below spur,course E.

Asc.

77.70 Top of spur,150 ft.above hollow,bears E.and W.

Desc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,16 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor:of secs.4,5,8,and 9,mkd.on brass cap

T 1 S S 5	R 9 W S 4
S 8	S 9

1913

From which

A cedar,8 ins.dia.,bears N.72°30'E.,26 lks. dist..mkd.T 1 S R 9 W S 4 B T.

A cedar,6 ins.dia.,bears S.55°E.,120 lks. dist..mkd.T 1 S R 9 W S 9 B T.

A cedar,10 ins.dia.,bears S.41°15'W.,66 lks. dist.;and mkd.T.1 S R 9 W S 8 B T.

A cedar,6 ins.dia.,bears N.47°W.,79 lks. dist..mkd.T 1 S R 9 W S 5 B T.

Land,steep and rough mountains.

Soil,gravelly and rocky;3rd and 4th rate.from 6 ins.to 18 ins.deep.Subsoil,cemented gravel and rocky.

Timber,cedar .

Undergrowth,sage brush and shadscales .

Good grass for grazing.

Mountainous or heavily timbered land,80.00 chs.

May 23,1913:At this cor.I set off 20°35'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°45'N.,which is the proper lat.nearly.

S.89°47'E.,on a random line bet.secs.4 and 9.

Sub.T.1 S.,R.9 W.-Continued.

Chains

40.00 Set temp.¼ sec.cor.

79.68 Intersect N.and S.line,7 lks.S.of the cor.of secs.3,4,9,and 10.

Thence I run

N.89°50'W.,on a true line bet.secs.4 and 9.

Over rolling foot hills;through dense undergrowth.

Asc.

28.60 Road,bears N.15°W.and S.15°E.

30.00 Begin asent of mountain,bears N.15°W.and S.15°E.

39.84 Set an iron post,3 ft.long,1 in in dia.,14 ins.in the ground,on solid rock,and surrounded by mound of stone, for ½ sec.cor..mkd.on brass cap

½ S 4
S 9
1913

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

45.00 Top of spur,150 ft.above hollow,bears NW and SE

Desc.

61.90 Bottom of hollow,100 ft.below spur,course SE.

Asc.

75.00 Enter heavy timber,bears N.and S.

79.68 The cor.of secs.4,5,8,and 9.

E.30 chs.foot hills .W.49.68 chs.is rough and steep mountains .

Soil,gravelly mixed with rock from 1 to 1½ ft.deep.

Subsoil,gravel and rock.

Timber ,cedar on W 4.68 chs.

Undergrowth,shadscales and bud sage.

Godd grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,79.68 chs.

N.0°03'W.,on a true linebet.secs.4 and 5.

Over mountainous land;through heavy timber and dense undergrowth.

Sub.T.1 S.,R.9 W.-Continued.

Chains	
	Desc.along east slope of high ridge .
8.00	Leave heavy and enter scattering timber,bears E.and W.
40.00	Saddle in ridge,250 ft.below sec.cor.,bears N.20°E.and S. 20°W.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 5 | S 4 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
	Desc.
53.20	Bottom of canon,250 ft.below ridge,course N.20°E.
	Asc.
68.00	Top of ridge,150 ft.above canon,bears N.20°E.and S.20° W.
	Desc.
76.50	Wash,80 lks.wide,20 ft.deep,course E.
	Asc.
80.36	Intersect Salt Lake Base line,87 lks.W.of the cor.of secs. 32 and 33,an iron post 3 ins.dia.12 ins.above ground,mkd. and witnessed as described by the surveyor-general.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.4 and 5,mkd.on brass cap
	T 1 N.R 9 W. S 32 | S 33 C C S 5 | S 4 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	Land,mountainous .
	Soil,gravelly and rocky;3rd rate.from 1 to 1½ ft.deep, subsoil,gravel and rock.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush ,shadscales and greasewood.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.36 chs.

May 22,1913.

John R Stewart

U.S.Surveyor.

Chains

May 22,1913:At 7 h 56 m a.m.,l.m.t.,I set off 40°41'N.,on t the lat.arc;20°22'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.5,6,31,and 32,on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°04'W.,bet.secs.31 and 32.

Over mountainous land;through scattering timber and dense undergrowth,

Asc.

2.50 Top of spur,50 ft.above cor.,bears N.60°W.and S.60°E.

Desc.

14.40 Bottom of hollow,50 ft.below spur,course SE.

Leave timber,bears NW and SE.

Asc.

24.30 Road,bears N.55°W.and S.55°E.

35.00 Top of spur,75 ft.above hollow,bears NW and SE.

Desc.

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

¼ S 31 | S 32
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft. dist..and raise a mound of earth,3½ ft.base,1½ ft. high,W.of cor.

42.80 Bottom of hollow,30 ft.below spur,course S.70°E.

Asc.

45.60 Road,bears N.85°W.and S.86°E.

50.00 Top of ridge,80 ft.above hollow,bears NW and SE.

Desc.

65.40 Bottom of hollow,30 ft.below ridge,course SE.

Asc.

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,mkd.on brass cap

T 1 S | R 9 W
S 30 | S 29

S 31 | S 32
1913

dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise

Chains

a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,mountainous ,sloping east .

Soil,gravelly loam,hard;about 18 ins.deep,with cemented gravel subsoil.

Timber,cedar.

Undergrowth,shadscales and sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

May 22,1913:At this cor.I set off 20°23'N.,on the decl. arc;and at 11 h 56 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°42'N.,which is the proper lat.nearly.

S.89°46'E.,on a random linebet.secs.29 and 32.

40.00 Set temp.¼ sec.cor.

79.90 Intersect N.and S.line,at the cor.of secs.28,29,32,and 33.

Thence I run

N.89°46'W.,on a true line bet.secs.29 and 32.

Over rolling foot hills;through dense undergrowth.

Asc.

15.35 Wash,25 lks.wide,1 ft.deep,course SE.

21.70 Road,bears N.10°E.and S.10°W.

30.75 Road,from Delle to RedlambSprings,bears N.and S.

34.10 Vertical ledge,10 ft.high,bears N.and S.

Asc.mountainous land,bears N.and S.

39.95 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap

¼ S 29

S 32
1913

Dig pits,18x18x12 ins.,E.and W.of post, 3 ft.dist.;

and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

Sub.T.1 S.,R.9 W.-Continued.

Chains	
50.00	Enter scattering timber,bears NW and SE
51.50	Ravine,200 lks.wide,50 ft.deep,course S.65°E.
62.80	Top of spur,125 ft.high,bears N.30°W.and S.30°E.
	Desc.
79.90	The cor.of secs.29,30,31,and 32.
	Land,mountainous and rolling hills.
	Soil,gravelly ;3rd rate.
	Timber,scattering cedar.
	Undergrowth,sage brush,shadscales,bud sage,and rabbit brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth.
	79.90 chs.
	N.89°46'W.,on a random line bet.secs.30 and 31.
40.00	Set temp.¼ sec.cor.
79.48	Intersect W.bdy.of Tp.,2 lks.S.of the cor.of secs.25,30,31, and 36,which is an iron post,3 ins.dia.,extending 12 ins. above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Thence I run
	S.89°45'E.,on a true line bet.secs.30 and 31.
	Over mountainous land;through dense undergrowth.
	Desc.
.20	Road,bears N.15°W.and S.15°E.
5.20	Bottom of hollow,10 ft.below sec.cor.,course S.30°E.
	Asc.
24.00	Top of spur,75 ft.above hollow,bears N.20°E.and S.20°W.
	Desc.
33.00	Bottom of Gulch,30 ft.below spur,course S.15°W.
	Asc.
34.00	Enter scattering timber,bears N.and S.
39.48	Set an iron post,3 ft.long,1 in.in dia.,24 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

Chains	
	½ S 30 / S 31 / 1913
	from which
	A cedar,8 ins.dia.,bears N.42°55'W.,88 lks. dist..mkd.½ S 30 B T.
	A cedar,8 ins.dia.,bears S.36°20'W.,45 lks. dist.,mkd.½ S 31 B T.
49.65	Top of ridge,100 ft.above hollow,bears N.and S.
	Desc.abruptly.
59.50	Foot of steep descent,100 ft.below ridge,bears N.and S.
	Desc.gradually.
67.40	Wash,40 lks.wide,20 ft.deep,course S.30°E.
	Asc.gradually.
79.48	The cor.of secs.29.30,31,and 32.
	Land,mountainous .
	Soil,gravelly and rocky;3rd rate.
	Timber,cedar .
	Undergrowth,sage and shadscales.
	Good grass for grazing.
	Mountainous land or land covered with dense undergrowth, 79.48 chs.

May 22,1913.

May 23,1913:At 5 h 47 m a.m.,l.m.t.,I set off 40°42'N., on the lat.arc;20°34'N.,on the decl.arc;and determine a meridian,with the solar,at the cor.of secs.29,30,31,and 32.

Thence I run

N.0°04'W.,bet.secs.29 and 30.

Over mountainous land;through dense undergrowth .

Asc.

5.00	Enter scattering timber,bears E.and W.
19.00	Top of ridge,200 ft.above cor.,bears N.75°W.and S.75°E.

Chains	
	Desc.
26.70	Bottom of hollow,175 ft.below ridge,course S.55°E.
	Asc.
30.80	Top of ridge,100 ft.above hollow,bears N.60°W.and S.60°E.
	Desc.
38.80	Bottom of hollow,100 ft.below ridge,course S.40°E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S 30 | S 29 1913 From which A cedar,12 ins.dia.,bears S.12°15'E.,136 lks. dist..mkd.¼ S 29 B T. A cedar,6 ins.dia.,bears S.5°20'W.,138 lks. dist..mkd.¼ S 30 B T.
43.00	Top of spur,80 ft.above hollow,bears E.and W.
	Desc.
58.20	Enter wash,course S.20°E.
60.00	Leave wash,course S.,comes from N.30°E.
72.75	Same wash,30 lks.wide,course S.35°E.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,16 ins.in the ground,on solid rock,and surrounded by mound of earth and stone,for cor.of secs.19,20,29,and 30,mkd.on brass cap T 1 S | R 9 W S 19 | S 20 S 30 | S 29 1913 from which A cedar,8 ins.dia.,bears N.83°E.,39 lks. dist..mkd.T 1 S R 9 W S 20 B T. A cedar,6 ins.dia.,bears S.54°30'E.,89 lks. dist..mkd.T 1 S R 9 W S 29 B T. A cedar,8 ins.dia.,bears S.5°15'W.,63 lks. dist..mkd.T 1 S R 9 W S 30 B T. A cedar,8 ins.dia.,bears N.55°W.,3 lks. dist..mkd.T 1 S R 9 W S 19 B T. Land,mountainous . Soil,gravelly and rocky;from 1 to 1½ ft.deep,with subsoil

Chains	
	gravel and rock.
	Timber,cedar and pinon pine.
	Undergrowth,sage and shadscales.
	Fairly good grass.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	S.89°46'E.,on a random linebet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,8 lks.N.of the cor.of secs.19,20,29 and 30.
	Thence I run
	N.89°43'W.,on a true line bet.secs.20 and 29.
	Over rolling foot hills;through dense undergrowth.
	Desc.
1.30	Wash,75 lks.wide,8 ft.deep,course SE.
13.20	Wash,80 lks.wide,10 ft.deep,course S.10°E.
	Enter scattering timber,bears N.and S.
18.10	Wash,120 ft.wide,8 ft.deep,course S.20°E.
	Asc.
40.02	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap
	¼ S 20 / S 29 / 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
45.20	Begin steep ascent of ridge,bears N.30°W.and S.30°E.
71.50	Top of ridge,600 ft.above ¼ sec.cor.,bears N.and S.
	Desc.
80.04	The cor.of secs.19,20,29,and 30.
	Land,mountainous and rolling.
	Soil,gravelly loam;about 1 ft.deep;3rd rate.
	Timber,scattering cedars.
	Undergrowth,shadscales and bud sage.
	Good grass for grazing.

Sub.T.1 S., R.9 W.- Continued.

Chains.	
	Mountainous land, or land covered with dense undergrowth 80.04 chs.
	May 23, 1913: At this cor.I set off 20° 35'N.on the decl. arc; and at 11h 57m a.m.l.m.t., I observe the sun on the meridian; the resulting lat.is 40°43'N., which is the proper lat.nearly.
	N.89° 45'W.on a random line bet.secs.19 and 30,
40.00	Set temp.¼ sec.cor.
79.36	Intersect W.bdy.of Tp.22 lks.N.of the cor.of secs.19,24, 25, and 30, which is an iron post, 3 ins.dia., extending 12 ins.above ground, firmly set and marked and witnessed as described by the surveyor general.
	Thence I run
	S 89°54'E.on a true line bet.secs.19 and 30,
	Over mountainous land; through dense undergrowth and scattering timber. Ascend.
2.90	Top of rocky ridge, 50 ft.above cor., bears N.15° W.and S.15° E. Desc.
24.70	Bottom of gulch, 500 ft.below ridge, course S.50°E. Ascend.
28.30	Top of ridge, 40 ft.above gulch, bears N.and S. Descend.
31.90	Bottom of hollow, 50 ft.below ridge, course S.15°E. Ascend.
35.20	Top of spur, 40 ft.above hollow, bears N.and S. Descend.
39.36	Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground, for ¼ sec.cor., mkd.on brass cap
	¼ S 19 / S 30 / 1913
	from which
	A cedar, 7 ins.dia., bears N.83° 15'E. 127 lks. dist., mkd.¼ S 19 B T

Sub.T.1 S., R. 9 W.- Continued.

Chains.	
	A cedar, 10 ins.dia., bears S.41°45'E.187 lks. dist., mkd.$\frac{1}{4}$ S 30 B T
53.20	Bottom of hollow, 25 ft.below ridge, course S.15° E. Asc.
57.25	Top of spur, 200 ft.above hollow, bears N.and S. Desc.
71.80	Bottom of hollow, 250 ft.below spur, course S.65°W. Asc.
75.40	Top of spur, 40 ft.above hollow, bears N.35°E.and S. 35° W. Desc.
77.30	Bottom of hollow, 50 ft.below spur, course S. Asc.
79.36	The cor.of secs.19,20,29, and 30.
	Land, mountainous.
	Soil, gravelly and rocky; 3d rate, about 1 ft.deep, limestone formation.
	Timber, cedar.
	Undergrowth, sage and shadscales.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth
	79.36 chs.

N.0° 04'W.bet.secs.19 and 20,

	Over mountainous land; through dense undergrowth and scattering timber.
	Asc.
12.90	Top of ridge, 20 ft.above cor., bears N.30° W.and S.30° E. Desc.
30.00	Bottom of hollow, 200 ft.below ridge, course S.30° E. Asc.
39.00	Top of ridge, 100 ft.above hollow, bears N.30° W. and S. 30° E. Desc.
40.00	Set an iron post, 3 ft.long, 1 in.in dia., 24 ins.in the ground, for $\frac{1}{4}$ sec.cor., mkd.on brass cap

$\frac{1}{4}$ S 19 | S 20
1913

Chains	
	from which
	A cedar,12 ins.dia.,bears S.43°15'W.,36 lks. dist..mkd.¼ S 19 B T.
	A cedar,6 ins.dia.,bears N.89°45'E.,52 lks. dist..mkd.½ S 20 B T.
47.70	Bottom of hollow,100 ft.below ridge,course S.60°E.
	Asc.
50.00	Top of ridge,40 ft.above hollow,bears N.60°W.and S.60°E.
	Desc.
52.70	Bottom of hollow,150 ft.below ridge,course S.75°E.
	Asc.
56.50	Gulch,50 ft.deep,course S.40°E.
	Asc.
63.00	Top of ridge,300 ft.above gulch,bears E.and W.
	Desc.
72.65	Bottom of hollow,250 ftbelow ridge,course S.35°E.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.17,18,19,and 20,mkd.on brass cap

T 1 S	R 9 W
S 18	S 17
S 19	S 20

1913

From which

A cedar,8 ins.dia.,bears N.45°25'E.,73 lks. dist..mkd.T 1 S R 9 W S 17 B T.

A cedar,8 ins.dia.,bears S.45°10'E.,24 lks. dist..mkd.T 1 S R 9 W S 20 B T.

A cedar,6 ins.dia.,bears S.28°30'W.,10 lks. dist..mkd.T 1 S R 9 W S 19 B T.

A cedar,8 ins.dia.,bears N.35°40'W.,46 lks. dist..mkd.T 1 S R 9 W S 18 B T.

Land,mountainous and rough .

Soil,gravelly and rocky;sandstone formation;subsoilgravel.

Timber,cedar .

Undergrowth,sage brush.

Good grass for grazing.

Chains

Mountainous land or land covered with dense undergrowth, 80.00 chs.

May 23,1913.

May 24,1913:At 7 h 57 m a.m.,l.m.t.,I set off 40°43'N.,on the lat.arc;20°45'N.,on the decl.arc;and determine a meridian with the solar at the cor.of secs.17,18,19,and 20.

Thence I run

S.89°43'E.,on a random line bet.secs.17 and 20.

40.00 Set temp.¼ sec.cor.

79.94 Intersect N.and S.line,14 lks.S.of the cor.of secs.16,17, 20,and 21.

Thence I run

N.89°49'W.,on a true line bet.secs.17 and 20.

Over mountainous land;through dense undergrowth and scattering timber.

Desc.

1.60 Bottom of hollow,20 ft.below sec.cor.,course SE.

Asc.

7.30 Top of ridge,350 ft.above hollow,bears NW and SE.

Descend.

11.50 Bottom of hollow,250 ft.below ridge,course SW.

Asc.

15.50 Top of spur,150 ft.above hollow,bears NE and SW.

Desc.

28.20 Bottom of canon,250 ft.below ridge,course S.

Asc.

39.97 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap

¼ S 17

S 20
1913

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

Chains	
	Thence along south slope.
71.40	Bottom of gulch,275 ft.below ¼ sec.cor.course S.
	Asd.
79.94	The cor.of secs.17,18,19,and 20.
	Land,mountainous,steep slopes . Sandstone formation.
	Soil,gravelly and rocky about 1 ft.deep,subsoil,hard gravel and rock.
	Timber,cedar and pinon pine.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous land or land covered with dense undergrowth, 79.94 chs.
	May 24,1913:At this cor.I set off 20°46'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.
	N.89°54'W.,on a random line bet.secs.18 and 19.
40.00	Set temp.¼ sec.cor.
79.42	Intersect W.bdy.of Tp.,19 lks.N.of the cor.of secs. 13,18,19,and 24.,which is an iron post,3 ins.in dia., extending 12 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Thence I run
	N.89 58'E.,on a true line bet.secs.18 and 19.
	Over mountainous land;through dense undergrowth and scattering timber,
	Asc.
26.50	Top of main ridge,500 ft.above cor.,bears N.15°E.and S. 15°W.
	Desc.
36.50	Bottom of hollow,300 ft.below ridge,course S.60°E.
	Asc.
39.42	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap

Sub.T.1 S.,R.9 W.-Continued.-

Chains	
	½ S 18 / S 19. / 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
40.90	Top of ridge,60 ft.above hollow,bears N.40°W.and S.40°E.
	Desc.
47.20	Bottom of hollow,160 ft.below ridge,course S.35°W.
	Asc.
55.00	Top of ridge,150 ft.above hollow,bears N.20°E.and S.20° W.
	Desc.
59.00	Bottom of hollow,60 ft.below ridge,course S.20°W.
	Asc.
62.80	Top of ridge,75 ft.above hollow,bears N.10°W.and S.10°E.
	Desc.
77.00	Bottom of hollow,125 ft.below ridge,course S.10°E.
	Asc.
79.42	The cor.of secs.17,18,19,and 20.
	Land,high and steep mountain ridges .Sandstone formation. Soil,light gravelly loam and mountain loam;2nd and 3rd rate.;and patches of rock;about 1 ft.deep.Subsoil,clay and gravel.
	Timber,cedar.
	Undergrowth,shadscales.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.42 chs.

May 24,1913.

May 26,1913:At 7 h 57 m a.m.,l.m.t.,I set off 40°43'N., on the lat.arc;21°07'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.17,18,19,and 20.

Thence I run

N.0°04'W.,bet.secs.17 and 18.

Chains

Over mountainous land;through dense undergrowth and scattering timber.

Asc.

6.80 Top of ridge,50 ft.above cor.,bears E.and W.

Desc.

11.60 Bottom of hollow,300 ft.below ridge,course S.75°E.

Asc.

21.20 Top of ridge,225 ft.above hollow,bears N.60°E.and S.60°W.

Desc.

22.20 Head of gulch,25 ft.below ridge,course S.70°W.

Asc.

38.30 Top of main ridge,150 ft.above gulch,bears N.25°W.and S.25°E.

40.00 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by moundof stone, for ½ sec.cor..mkd.on brass cap

½ S 18 | S 17
1913

From which

A cedar,6 ins.dia.,bears N.53°W.,99 lks. dist..;mkd.½ S 18 B T.

A cedar,14 ins.dia.,bears N.53°25'E.,82 lks. dist..mkd.½ S 17 B T.

Head of gulch 20 ft.below ridge,course S.80°E.

Asc.

48.00 Top of spur,40 ft.above gulch,bears N.70°W and S.70°E.

Desc.

55.60 Bottom of gulch,150 ft.below ridge,course S.80°E.

Asc.

66.65 Top of spur,100 ft.above hollow,bears E.and W.

Desc.

74.00 Gulch 60 ft.deep,course N.80°E.

78.00 Gulch,40 ft.deep,course E.

Asc.

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,mkd.on brass cap

Chains

T 1 S	R 9 W
S 7	S 8
S 18	S 17

1913

from which

A cedar,12 ins.dia.,bears N.51°E.,43 lks.

dist.;and mkd.T 1 S R 9 W S 8 B T.

A cedar,7 ins.dia.,bears S.17°E.,31 lks.

dist..mkd.T 1 S R 9 W S 17 B T.

A cedar,6 ins.dia.,bears S.20°10'W.,51 lks.

dist..mkd.T 1 S R 9 W S 18 B T.

A cedar,6 ins.dia.,bears N.15°05'W.,36 lks.

dist..mkd.T 1 S R 9 W S 7 B T.

Land,mountainous.;sandstone formation.

Soil, mountain loam and gravelly with patches of rock; about 1 ft.deep;from 1st to 4th rate.

Subsoil,hard clay and gravel.

Timber,cedar.

Undergrowth,shadscales.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

May 26,1913:At this cor.I set off 21°08'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°44'N.,which is the proper lat.nearly.

S.89°49'E.,on a random line bet.secs.8 and 17.

40.00 Set temp.¼ sec.cor.

79.90 Intersect N.and S.line,23 lks.N.of the cor.of secs.8,9,16,a and 17.

Thence I run

N.89°39'W.,on a true line bet.secs.8 and 17.

Over mountainous land;through heavy timber and dense undergrowth.

Asc.abruptly.

Chains

7.00 Top of spur,50 ft.above cor.,bears N.60°E.and S.60°W.

Continue ascent of mountain along north slope of spur.

29.60 Top of main ridge,200 ft.above spur,bears N.and S.

Desc.abruptly.

30.00 Leave heavy and enter scattering timber,bears N.and S.

39.95 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 8

S 17
1913

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

48.00 Wash,20 lks.wide,6 ft.deep,course S.40°W.

51.00 Bottom of hollow,300 ft.below ridge,course S.40°W.

Asc.

70.50 Wash,50 lks.wide,2 ft.deep,course S.10°E.

79.90 The cor.of secs.7,8,17,and 18.

Land,mountainous,high and steep.

Soil,gravelly and rocky;3rd rate.

Timber,cedar.

Undergrowth,sage and shadscales.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,79.90 chs.

S.89°58'W.,on a random line bet.secs.7 and 18.

40.00 Set temp.¼ sec.cor.

79.36 Intersect W.bdy.of Tp.,17 lks.N.of the cor.of secs.7,12,13, and 18.,which is an iron post,3 ins.in dia.,and extending 12 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

Thence I run

N.89°55'E.,on a true line bet.secs.7 and 18.

Over mountainous land;through scattering timber and dense undergrowth.

Asc.

Sub.T.1 S.,R.9 W.-Continued.

Chains

13.70 Top of ridge,200 ft.above hor.;bears N.and S.

Desc.

19.50 Bottom of hollow,100 ft.below ridge,course S.20°E.

Asc.

24;80 Top of ridge,75 ft.above hollow,bears N.15°W.and S.15°E.

Desc.

39.36 Bottom of swale,75 ft.below ridge,course SW.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 7

S 18
1913

From which

A cedar,6 ins.dia.,bears N.54°30'W.,142 lks. dist..;mkd.½ S 7 B T.

No other trees;dig pits,18x18x12 ins.,E.and W.of post, 3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft. high,N.of cor.

Asc.

39.50 Road,bears N.and S.

55.00 Gulch,course S.50°W.

Asc.

72.90 Top of ridge,200 ft.bears N.30°W.and S.15°W.

Enter heavy cedar timber,bears same.

Desc.

79.36 The cor.of secs.7,8,17,and 18.

Land,mountainous and rough.Sandstone formation.

Soil,gravelly and rocky;3rd and 4th rate.

Subsoil,gravelly.

Timber,cedar.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,79.36 chs.

Chains	
	N.0°04 'W.,bet.secs.7 and 8.
	Over mountainous land;through dense undergrowth.and heavy timber.
	Asc.
1.50	Top of spur,20 ft.bears E.and W.
	Desc.
3.20	Bottom of hollow,50 ft.below spur,course E.
	Asc.
6.60	Top of spur,30 ft.above hollow,bears E.and W.
	Desc.
12.00	Bottom of gulch,75 ft.below spur,course SE.
	Asc.
16.00	Top of ridge,100 ft.above gulch,bears N.45°W.and S.45°E.
	Desc.
22.00	Bottom of gulch,100 ft.course S.30°E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 7 | S 8 1913
	From which
	A cedar,8 ins.dia.,bears S.27°15'W.,262 lks. dist..mkd.¼ S 7 B T.
	Cedar,14 ins.dia.,bears S.7°E.,276 lks. dist..mkd.¼ S 8 B T.
	Top of main ridge,400 ft.above gulch,bears N.60°E. and S.60°W.
	Leave timber,bears N.60°E.and S.60°W.
	Desc.
45.50	Bottom of gulch,50 ft.below ridge,course S.75°W.
	Asc.
57.70	Top of ridge,100 ft.above gulch,bears N.80°W.and S.80°E.
	Desc.
61.40	Head of Gulch,60 ft.below ridge,course W.
	Asc.
72.80	Main ridge,60 ft.above gulch,bears N.20°W.and S.20°E.

Chains	
	Desc.
80.00	Set an iron post,3 ft.long 2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.5,6,7,and 8,mkd.on brass cap

T 1 S | R 9 W
S 6 | S 5

S 7 | S 8
1913

	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Landmountainous.
	Soil,gravelly and rocky;3rd rate. 1 ft.deep.
	Subsoil,gravel and hard clay.
	Timber,cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

May 26,1913.

	May 27,1913:At 7 h 57 m a.m.,l.m.t.,I set off 40°44'N., on the lat.arc;21°17'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.5,6,7,and 8;
	Thence I run
	S.89°39'E.,on a random line bet.secs.5 and 8.
40 00	Set temp.½ sec.cor.
80.00	Intersect N.and S.line,at the cor.of secs.4,5,8,and 9.
	Thence I run
	N.89°39'W.,on a true line bet.secs.5 and 8.
	Over mountainous land;through scattering timber and dense undergrowth.
	Asc.abruptly.
6.70	Top of ledge,50 ft.high,bears NW and SE.
8.20	Top of main ridge,300 ft.above cor.,bears N.and S.
	Desc.abruptly over a series of broken ledges.

Sub.T.1 S.,R.9 W.-Continued.

Chains	
21.00	Bottom of canon,600 ft.below ridge,course N.
	Asc.abruptly over ledges.
34.50	Top of spur,375 ft.above canon,bears N.30°E.and S.30°W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	½ S 5 / S 8 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
50.00	Bottom of hollow,200 ft.below ridge,course NE
	Asc.
80.00	The cor.of secs.5,6,7,and 8.
	Land,mountainous steep and ledgy.
	Soil,gravelly and rocky;3rd and 4th rate.
	Timber,scattering cedar.
	Undergrowth,sage brush .
	Good grass for grazing .
	Mountainous land,or land covered with dense undergrowth,
	80.00 chs.
	S.89°55'W.,on a random line bet.secs.6 and 7.
40.00	Set temp.¼ sec.cor.
79 32	Intersect W.bdy.of Tp.,7 lks.S.of the cor.of secs.
	1,6,7,and 12.,which is an iron post,3 ins.in dia.,and extending 12 ins.above ground,firmly set,and mkd.and witnessed as described.by the surveyor general.
	Thence I run
	N.89°58'E.,on a true line bet.secs.6 and 7.
	Over mountainous land;through scattering timber and dense undergrowth.
2.20	Gulch,N.40°W.
	Asc.
6.40	Top of ridge,75 ft.above gulch,bears N.40°W.and S.40°E.
	Desc.

Chains	
9.40	Gulch,70 ft.below spur,course N.30°W.
	Asc.
21.00	Top of ridge,200 ft.above gulch,bears N.and S.
	Desc.
30.85	Gulch,75 ft.deep,course S.
	Enter heavy cedar timber,bears N.and S.
	Asc.
36.00	Top of ridge,50 ft.above gulch,bears N.and S.
	Desc.
39.32	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of earth, for ¼ sec.cor..mkd.on brass cap
	¼ S 6 / S 7 / 1913
	from which
	A cedar,8 ins.dia.,bears N.27°W.,24 lks. dist..mkd.¼ S 6 B T.
	A cedar,9 ins.dia.,bears S.51°40'W.,79 lks. dist..mkd.¼ S 7 B T.
41.80	Gulch,50 ft.below ridge,course S.25°W.
	Leave timber,bears N.25°E.and S.25°W.
	Asc.
74.70	High peak on ridge,250 ft.above gulch,bears N.10°E.and S.30°E.
	Desc.
79.32	The cor.of secs.5,6,7,and 8;150 ft.below ridge.
	Land,mountainous.
	Soil,gravelly;2nd and 4th rate.1 ft.deep.
	Timber,cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,79.32 chs.
	May 27,1913:At this cor.I set off 21°18'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°45'N.,which is the

Chains	
	proper lat.nearly.
	N.0°04'W.,on a true line bet.secs.5 and 6.
	Over mountainous land;through dense undergrowth.
	DAsc.
3.75	Head of gulch,20 ft.below cor.,course S.60°E.
	Asc.
11.35	Top of ridge,125ft.above gulch,bears N.50°E.and S.30°W
	Desc.
39.20	Top of ridge,270 ft.above hollow,bears N.60°E.,and S. 10°W.
	Desc.
40.00	Set a iron post,3 ft.long,1 in.in dia.,14 ins.in the ground,on solid rock,and surrounded by mound of earth and stone,for ¼ sec.cor..mkd.on brass cap
	¼ S 6 | S 5 1913
	from which
	A cedar,7 ins.dia.,bears S.30°45'E.,32 lks. dist.,mkd.¼ S 5 B T.
	A cedar,7 ins.dia.,bears N.28°10'W.,31 lks. dist..mkd.¼ S 6 B T.
50.60	Bottom of hollow,200 ft.below ¼ sec.cor.,course N.60°W.
	Asc.
51.70	Top of spur,30 ft.above hollow,bears N.50°W.and S.50° E.
	Desc.
61.20	Bottom of canon,100 ft.below ridge,course N.35°E.
	Asc.
71.40	Top of spur,25 ft.above canon,bears N.80°E.and S.80°W.
	Desc.
72.40	Wash,15 ft.deep,course E.
	Asc.
74.90	Top of spur,25 ft.above wash,bears N.80°E.and S.80°W.
	Desc.

Chains

79.86 Intersect Salt Lake Base, line,99 lks.W.of Base Line cor. of secs.31 and 32,an iron post 3 ins.dia.,12 ins.above ground,mkd.and witnessed as described by surveyor general. Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.5 and 6,mkd.on brass cap

T 1 N R 9 W
S 31 | S 32
C C
S 6 | S 5
1913

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

Land,mountainous .

Soil,gravelly;3rd rate.Subsoil,cemented gravel and sandstone.

Timber,cedar.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 79.86 chs.

May 27,1913.

Robert D. Dalton

U.S.Transitman.

~~U.S.Surveyor.~~

Re GENERAL DESCRIPTION

Latitudes,departures and closing errors.

Line designated	course	Distance	latitudes N	latitudes S	Departures E	Departures W
		chs.	chs.	chs.	chs.	chs.
W.bdy.T.1 S.,R.9 W.	North	479.80	479.80			
N.bdy.T.1 S.,R.9 W.	East	479.95			479.95	
E.bdy.T.1 S.,R.9 W.	South	481.37		481.37		
S.bdy.T.1 S.,R.9 W.	N.89°45'W.	80.21	.35			80.21
S.bdy.T.1 S.,R.9 W.	N.89°45'W.	80.14	.35			80.14
S.bdy.T.1 S.,R.9 W.	N.89°50'W.	80.17	.23			80.17
S.bdy.T.1 S.,R.9 W.	N.89°42'W.	79.78	.42			79.78
S.bdy.T.1 S.,R.9 W.	N.89°46'W.	79.89	.33			79.89
S.bdy.T.1 S.,R.9 W.	N.89°46'W.	79.56	.33			79.56
Convergency					.62	
			481.81	481.37	480.57	479.75
			481.37		479.75	
Error in lat.			.44			
Error in dep.					.82	

GENERAL DESCRIPTION.

The east half of this township lies in the western edge of Skull Valley,and the west half lies in the range of mountains west of Skull Valley.The general bearing of these ridges is north and south parallel with the west edge of the valley.And the soil is generally a medium good gravelly loam about 1 to 2 ft.deep,and underlaid with cemented gravel or hard clay or rock.This soil produces an excellent grade of grasses and an abundant supply.There is also a good growth of sage and shadscales and considerable cedar timber,which is rather scrubby. The slopes of the ridges are quite steep and high but horses and sheep find no difficulty in grazing it.
The soil in the east 2½ tiers of this township is a very hard and tight clay containing a large percentage of alkali and salt.The only vegetation it produces is a few scattering greasewoods and salt weeds.Near the foot

hills there is some fairly good soil, which is a mixture of clay and gravel and produces now shadscales and bud sage. Some of this land would probably be suitable for dry farming.

No water or mineral was found in the township; Redlamb Springs however is about 1½ miles south of the township, and stock, grazing in this township, go there for water. There are no settlers in the township.

John A. Stewart
U.S. Surveyor.

Robert D. Dalton
U.S. Transitman.

May 27, 1913.

4—680

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of .....

For certificate of assistants see book "K" T.4 S., R.6 W.

of the ..... Meridian, in the State of .....

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.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

6—2761 *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 .....

For final oaths of U.S.Surveyor and Transitman see book "K" T.4 S.R.6 W.

..... 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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 1915.

The foregoing field notes of the survey of the subdivisional lines and the retracement of the East and South boundaries of Township No.1 South, Range No. 9 West, of the Salt Lake Base and Meridian, Utah,

executed by John R.Stewart and Robert D.Dalton under ~~his~~ their special instructions dated April 10, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A.C.Thorsen

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.

6—2701

S.L.B.Line, R.6 W.Filed April 7,19
22

4-679

BOOK A-404

D.

M.K.W.
J.W.E.

FIELD NOTES

OF THE ~~SURVEY OF THE~~

RETRACEMENT OF THE SALT LAKE BASE LINE

THROUGH RANGE 7 WEST,

AND

SURVEY OF THE SALT LAKE BASE LINE

THROUGH RANGE 6 WEST

Of the SALT LAKE *Meridian,*

In the State of U T A H

EXECUTED BY

JOHN R. STEWART

In the capacity of U. S. Surveyor, under instructions dated April 10, *1913, issued by the United States Surveyor General to govern surveys included in Group No.* 20, *which were approved by the Commissioner of the General Land Office,* April 28, *1913, pursuant to authority contained in the Act of Congress dated* *191*

Survey commenced May 24, *1913*

Survey completed June 3, *1913.*

6-151

S.L.B. Dr. 6 W. 5-67-00
Retr. " 7 W. 3-59-36

BOOK A-404

INDEX DIAGRAM.

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Retracement Salt Lake Base Line, Range 7 W.

Chains.	
	Survey commenced May 24, 1913, and executed with a Keuffel & Esser light mountain transit No. 20578, 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. Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved May 2, 1913, by G. D. D. Kirkpatrick, Assistant Supervisor of Surveys.
	Note: For test of instrument, see notes of Sub. T 1 N. R. 9 W.
	At 7 h. 57 m. a.m.l.m.t., I set off 40°46'N. on the lat. arc, 20°45'N. on the decl. arc, and determine a meridian with the solar, at the Base Line Cor. of Tps. 1 N. Rs 7 and 8 W., which is a sandstone, 10x7x6 ins. above ground firmly set and mkd. and witnessed as described by the surveyor general.
	Thence I run:
	East on a retracement line along S. bdy. sec. 31.
	Over level land through scattering greasewood.
40.02	Fall 6 lks. S. of the ¼ sec. cor. which is a volcanic stone, 8x6x3 ins. 2 ins. in the ground, mkd. and witnessed as described by the surveyor general.
	I destroy the old cor. and re-establish it in the same place as follows:
	Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground, for base line ¼ sec. cor. mkd. on brass cap
	¼ S 31 / 1913
	dig pits, 18x18x12 ins. E. and W. of post 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
78.45	Fall 11 lks. S. of closing cor. of secs. 5 and 6, T. 1 S., R. 7 W. which is a limestone, 10x10x6 ins. above ground, firmly set and mkd. and witnessed as described by the surveyor general.
80.04	Fall 12 lks. S. of the base line cor. of secs. 31 and 32, which is a volcanic stone, 8x6x3 ins. above ground, firmly

Chains.

set and mkd. and witnessed as described by the surveyor general.

I destroy the old cor. and re-establish it in the same place as follows:

Set an iron post, 3 ft. long, 3 ins. in dia. 24 ins. in the ground, for base line cor. of secs. 31 and 32, mkd. on brass cap

T 1 N R 7 W
S 31 | S 32
1913

dig pits, 24x18x12 ins. crosswise on each line E. and W. 3 ft. and N. of post, 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.

The course of this mile is therefore N. 89°55' E. 80.04 chs.

Land, level.

Soil, clay, 3rd rate.

No timber.

Undergrowth, scattering greasewood.

East on a retracement line along S. bdy. sec. 32.

Over barren alkali flat.

20.00 Wash 150 lks. wide, 5 ft. deep, course N. 30° E.

40.03 Fall 6 lks. S. of the base line ¼ sec. cor. which is a volcanic stone, 9x7x5 ins. above ground, firmly set and mkd. and witnessed as described by the surveyor general. I destroy the old cor. and re-establish it in the same place as follows:

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

¼ S 32
1913

Dig pits, 18x18x12 ins. E and W. of post, 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

78.45 Fall 11 lks. S. of the closing cor. of secs. 4 and 5, T 1 S. R. 7 W., which is a volcanic stone, 7x6x6 ins. above ground, firmly set and mkd. and witnessed as described by the surveyor general.

Chains	
80.04	Fall 12 lks.S.of the Base Line cor.of secs.32 and 33, which is a stone 8x6x3 ins.,set 2 ins.in the ground,poorly mkd.and witnessed as described by the surveyor general. I destroy the old cor.and re-establish it in the same place as follows: Set an iron post,3 ft.long,3 ins.in dia.,24 ins.in the ground,for Base Line cor.of secs.32 and 33,mkd.on brass cap T 1 N R 7 W S 32 | S 33 1913 Dig pits,24x18x12 ins.,crosswise on each line,E.and W. 3 ft.and N.of post,7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,N.of cor. The course of this mile is therefore N 89°55'E. 80.04 chs. Land,level. Soil,clay ,salty;4th rate. A few scattering greasewoods. No timber. May 24,1913:At this cor.I set off 20°46'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°46'N.,which is the proper lat.nearly.
	East,on a retracement line along S.bdy.sec.33. Over level land;through a few scattering greasewood and salt grass.
40.02	Fall 6 lks.S.of the Base line ¼ sec.cor.,which is a volcanic stone,10x8x5 ins.,above ground,firmly set, and mkd.and witnessed as described by the surveyor general. I destroy the old cor.and re-establish it in the same place as follows: Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Retracement Salt Lake Base Line, through Range 7 West.

Chains	
	ground, for Base Line ¼ sec.cor., mkd. on brass cap
	¼ S 33 / 1913
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
78.49	Fall 10 lks. S. of the closing cor. of secs. 3, and 4, T. 1 S. R. 7 W., which is a limestone, 14, 8, 6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general.
80.04	Fall 12 lks. S. of the Base Line cor. of secs. 33 and 34, which is a quartzite stone, 12x9x6 ins., above ground, firmly set, properly mkd. & witnessed as described by the surveyor general.
	The course of this line is therefore N. 89°55'E., 80.04 chs.
	Land, level.
	Soil, clay; 3rd rate.
	No timber.
	Undergrowth, scattering greasewood and salt weeds.
	Some salt grass.
	May 24, 1913.

	May 27, 1913: At 7 h 57 m a.m., l.m.t., I set off 40°46'N., on the lat. arc; 21°17'N., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 33 and 34.
	Thence I run
	East, on a retracement line along S. bdy. sec. 34.
	Over level land; through salt grass.
30.00	Leave salt grass bears NW and SE.
40.00	Fall 6 lks. S. of the Base Line ¼ sec. cor. on S. bdy. sec. 34, which is a quartzite stone, 10x8x6 ins., above ground, firmly set, and mkd. and witnessed as described by the surveyor general.
	I destroy the old cor. and re-establish it in the same

Chains

place as follows:

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

$\frac{\frac{1}{4}\ S\ 34}{1913}$

dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.

55.00 West shore of Great Salt Lake; it is impossible to retrace this line farther at this season of the year because it is covered with water; therefore at a point 6 lks. N. of this point, or due east of the ¼ sec. cor. I set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground for witness cor. to cor. of secs. 34 and 35, mkd. on brass cap

T 1 N R 7 W

S 34 / M C W C

1913

Dig a pit 36 x 36 x 12 ins. W. of post 8 ft. dist.; raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Note: In order to determine a starting point east of here on the Salt Lake Base Line, I run offsets as follows:

South 90.00 chs. thence

East 210.00 chs. thence

North 90.00 chs. to a point on the shore of Great Salt Lake and on line with the base line in R. 7 W.

Set an iron post 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for witness meander cor. of fracl. sec. 31, R. 6 W. Being 25.00 chs. east of the point for cor. of Tps. 1 N., Rs. 6 and 7 W., brass cap marked

T 1 N R 6 W

W C M C / S 31

1913

dig a pit 36 x 36 x 12 ins. E. of post 8 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high E. of cor.

Chains	
	Land, level. Soil, clay; 3rd rate. No timber. Salt grass on 30.00 chs. May 27, 1913. John R. Stewart U.S.Surveyor.

Survey commenced June 2, 1913, and executed with a Keuffel & Esser light mountain transit, No.20578, 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.

Fiv-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by G.D.D. Kirkpatrick, Assistant Supervisor of Surveys.

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 p.m.and a.m.hours, with a meridian established by Polaris observation, I proceed as follows:

At the witness meander cor.to fractional sec.31, T.1 N. R.6 W., heretofore described, which is 25.00 chs.E. of true point for Tp.corner, latitude 40° 46' 04" N.; longitude 112° 34' 58" W., I set off 40° 46'N.on the lat.arc; 22° 13'N.on the decl.arc; and at 3h 58m p.m. l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground 5.00 chs.N.of the cor.

June 2, 1913.

June 3, 1913: At 2h 47.5m a.m.l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual, and mark a point thereof by a tack driven in a wooden plug set in the ground 5.00 chs.N.of the cor.

At 7h 30m a.m.l.m.t., I lay off the azimuth of Polaris 1° 30' to the west, and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs.N.of the cor.; this mark falls 0.45 ins.

east of the meridian established by the solar.

At 7h 58m a.m.l.m.t., I set off 40° 46'N.on the lat.arc; 22° 18'N.on the decl.arc; and determine a meridian with the solar, and mark a point thereof by a cross on the stone already set 5.00 chs.N.of the cor.;this mark falls 0.39 ins.east of the meridian determined by Polaris observation.

The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'24" west and 0' 21" east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8h 30m a.m.is N.16° 51'W.; the angle thus determined gives the mag. decl.16° 51'E.

From above described corner I run

East along S.side of sec.31,

Over level land; no vegetation.

Difference between measurements of 15.00 chs.by two sets of chainmen is 2 lks.; position of middle point

By 1st set 14.99 chs.

By 2d set 15.01 chs.; the mean of which is

15.00 Which added to 25.00 chs., the distance from true point for Tp.cor., to the witness meander cor., makes

40.00 Set an iron post 3 ft.long, 1 in.in dia., 26 ins.in the ground, for Base line ¼ sec.cor., mkd.on brass cap

¼ S 31
1913

Dig pits 18 x 18 x 12 ins.E.and W.of post, 3 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.

Difference between measurements of 55.00 chs.by two sets of chainmen is 2 lks.; position of middle point

By 1st set 54.99 chs.

By 2d set 55.01 chs.; the mean of which is

Chains	
55.00	Which added to 25.00 chs. makes the entire mile,
80.00	Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for Base Line cor. of secs. 31 and 32, mkd. on brass cap
	T 1 N R 6 W
	S 31 | S 32
	1913
	Dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. and N. of post, 7 ft. dist.; and raise a mound of earth, 4½ ft. base, 2½ ft. high, N. of cor.
	Land level.
	Soil, sandy; 3rd rate. salty.
	No vegetation.
	East, along South bdy. sec. 32.
	Over level land; no vegetation.
16.50	End of fence is south 2.00 chs. dist.; it bears N. 82°10'E.
31.40	Wire fence, bears N. 82°10'E. and S. 82°10'W.
	Difference between measurements of 40.00 chs. by two sets of chainmen, is 2 lks.; position of middle point,
	BY 1 st set 39.99 chs.
	By 2nd set, 40.01 chs.; the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for Base Line ¼. sec. cor., mkd. on brass cap
	¼ S 32
	1913
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
	Enter dense undergrowth, bears S. and NE.
52.64	Wire fence, bears N. 82°40'W. and S. 82°40'E.
54.00	Leave undergrowth, bears N. and S.
	Difference between measurements of 80.00 chs. by two sets of chainmen, is 2 lks.; position of middle point,
	By 1st set, 79.99 chs.
	By 2nd set 80.01 chs.; the mean of which is
80.00	Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the

Chains	
	ground, for Base Line Cor. of secs. 32 and 33, mkd. on brass cap
	T 1 N R 6 W S 32 | S 33 1913
	Dig pits, 24x18x12 ins., E. and W. 5 ft., dist. and N. of post,
	7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high
	N. of cor.
	Land, level.
	Soil, sandy, 3rd rate. salty.
	No timber.
	Undergrowth, greasewood and shadscales.
	Land covered with dense undergrowth, 14.00 chs.
	East, along, S. bdy. sec. 33.
	Over level land; through alkali flat.
13.90	Enter dense undergrowth, bears N. and S.
	Difference between measurements of 40.00 chs., by two
	sets of chainmen, is the same, by both sets, 40.00 chs.;
	the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the
	ground, for Base Line ¼ sec. cor. mkd. on brass cap
	¼ S 33 1913
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and
	raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
44.50	Asc. 20 ft. to bench, bears N. 15°W. and S. 15°E.
70.15	Road from Grantsville to Stansbury Island, bears N. and S.
75.85	Road from Grantsville to Stansbury Island, bears N. 65°E.
	and S. 65°W.
79.55	Fence, bears N. 69°30'E. and S. 69°30'W.
	Difference between measurements of 80.00 chs. by two sets
	of chainmen, is 2 lks.; position of middle point,
	By 1st set 79.99 chs.;
	By 2nd set 80.01 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 Base Line cor. of secs. 33 and 34, mkd. on brass
	cap

Chains

T 1 N R 6 W

S 33 | S 34
1913

Dig pits, 24x18x12 ins., crosswise on each line, E. and W. 3 ft. and N. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Land, level.

Soil, on W. 44.50 chs. is sandy and clay mixed and saturated with salt. E. 35.50 chs. the soil is sandy loam, good quality.

Undergrowth, greasewood and shadscales.

No timber.

Land covered with dense undergrowth, 66.10 chs.

June 3, 1913: At this cor. I set off 22°19' N., on the decl. arc; and at 11 h 58 m a.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40°46' N., which is the proper lat. nearly.

East, along S. bdy. sec. 34.

Over level land; through dense undergrowth.

1.40 Leave undergrowth, bears N. 70° E. and S. 70° W.

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 2nd set 40.02 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for Base Line ¼ sec. cor., mkd. on brass cap

¼ S 34
1913

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

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 2nd 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 Base Line cor. of secs. 34 and 35, mkd. on brass

Chains

cap

T 1 N R 6 W

S 34 | S 35

1913

Dig pits, 24x18x12 ins., E. and W., 3 ft. and N. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Land, level.

Soil, sandy, very salty.

Dense greasewood on W. 1.40 chs.

No timber.

East, along, S. bdy. sec. 35.

Over barren alkali flat.

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 2nd set, 40.01 chs.; the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for Base Line ¼ sec. cor. mkd. on brass cap

¼ S 35

1913

Dig pits, 18x18x12 ins., E. and W of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

Difference between measurements of 80.00 chs. by two sets of chainmen, is 2 lks.; position of middle point,

By 1st set, 79.99 chs.

By 2nd set, 80.01 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 Base Line Cor. of secs. 35 and 36, mkd. on brass cap

T 1 N R 6 W

S 35 | S 36

1913

Dig pits, 24x18x12 ins., E. and W. 3 ft. and N. of post, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.

Land level.

Chains	
	Soil, sandy and very salty.
	No vegetation.
	East, along S. bdy. sec. 36.
	Over barren alkali flat.
	Difference between measurements of 40. chs. by two sets of chainmen, is 4 lks. position of middle point,
	By By 1st set. 39.98 chs.
	By 2nd set, 40.02 chs.; the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for Base Line ¼ sec. cor.., mkd. on brass cap
	¼ S 36 / 1913
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
	Difference between measurements of 67.00 chs., by two sets of chainmen, is 4 lks.; position of middle point,
	By 1st set, 66.98 chs.
	By 2nd set, 67.02 chs.; the mean of which is
67.00	West shore of Great Salt Lake, 1.00 chs. from water's edge.
	Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground, for Meander cor. of fracl. secs. 36; mkd. on brass cap
	T 1 N. R 6 W / S 36 M C / 1913
	Dig a pit, 36x36x12 ins., W. of post, 8 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.
	Land, level.
	Soil, sandy; and very salty.
	No vegetation.

June 3, 1913.

John R. Stewart
U. S. Surveyor.

Chains

GENERAL DESCRIPTION.

This line crosses the south end of Stansbury Island; but which at this time is not an island, being joined to the mainland by a strip of land several miles wide. The soil being only a few feet above the Lake (from 2 to 25 ft.) is sandy loam and very salty except the highest part which is fairly good soil.

John R. Stewart
U.S. Surveyor.

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of .....

For certificate of assistants see book "K" T.4 S., R.6 W.

of the ..... Meridian, in the State of .....

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.	

Subscribed and certified to before me on the dates of the final service as shown above.

6—2761

.....

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 .....

For final oath of U.S.Surveyor see book "K" T.4 S., R.6 W.

..... 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

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 191 5.

The foregoing field notes of the ~~xxxxxx~~ retracement of the Salt Lake Base Line, through Range No.7 West, and survey of the Salt Lake Base Line, through Range No.6 West, of the Salt Lake Meridian, Utah

executed by John R.Stewart under his special instructions dated April 10, 1913, ~~XX~~ , 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.

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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FEB 9 1914
SALT LAKE CITY, UTAH

4—679

BOOK A-404

E.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

and

MEANDERS

of

Township No. 2 North, Range No. 7 West.

Of the Salt Lake Base and *Meridian,*

In the State of Utah

EXECUTED BY

John R. Stewart

In the capacity of U. S. Surveyor, under instructions dated April 10, *191*3, *issued by the United States Surveyor General to govern surveys included in Group No.* 20, *which were approved by the Commissioner of the General Land Office,* April 28, *191*3, *pursuant to authority contained in the Act of Congress dated* , *191*

Survey commenced May 26, *191*3

Survey completed May 26, *191*3.

6—151

Subs — 1 — 46 — 275
Meas — 2 — 14 — 50

BOOK A-404

INDEX DIAGRAM.

Township 2 North, *Range* 7 West

6	5	4	3	2	1
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30 2	29	28	27	26	25
31 1	32	33	34	35	36

Meanders page 3

6—151

SUB. T. 2 N., R. 7 W.

Chains	
	Survey commenced May 26, 1913, and executed with a Keuffel & Esser light mountain transit No. 20578 with solar attachment. The horizontal limb is provided with two double verniers placed opposite to eath other, reading to single minutes of arc. which is the least count of the verniers of the latitude and declination arcs. Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City found correct and was approved May 2, 1913, by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys.
	Note; For test of instrument see notes of N. bdy. of T. 1 N. R. 7 W.
	At the cor. of secs. 5, 6, 31 and 32 on S. bdy. of Tp. at 10h 30m a.m., I turn from the south bdy. of Tp. a known meridian established from Polaris observation this morning.
	Thence I run from said corner, heretofore described, N. 0°01'E. bet. secs. 31 and 32.
	Over barren alkali flat.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. mkd. on brass cap ¼ S 31 | S 32 1913 Dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high W. of cor.
60.00	West shore of Great Salt Lake, about 15.00 chs. from water's edge.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for meander cor. of fracl. secs. 31 and 32, mkd. on brass cap T 2 N R 7 W M C S 31 | S 32 1913 Dig a pit 36x36x12 ins. S. of post, 8 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high S. of cor.
	Land, level.
	Soil, clay about 6 ins. deep, with sand and marl subsoil.

SUB. T. 2 N., R. 7 W.

Chains	
	well saturated with salt and alkali.
	No vegetation except a few scattering greasewoods.
	From the cor. of secs. 25, 30, 31 and 36 on W. bdy. of Tp. which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set and mkd. and witnessed as described by the surveyor general.
	I run
	East on a true line bet. secs. 30 and 31.
	Over level land, through dense greasewood.
15.00	Leave dense greasewood and enter scattering greasewood, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. mkd. on brass cap
	¼ S 30 / S 31
	1913
	Dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high N. of cor.
66.37	West shore of Great Salt Lake, about 5.00 chs. from water's edge. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for meander cor. of fracl. secs. 30 and 31 mkd. on brass cap
	T 2 N R 7 W
	S 30 / S 31 M C
	1913
	Dig a pet 36x36x12 ins. W. of post, 8 ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, clay mixed with sand, about 1 ft. deep; subsoil, sand and marl. No timber.
	Undergrowth, dense greasewood on W. 15 chs. and scattering greasewood on balance.
	Land covered with dense undergrowth 15.00 chs.
	May 26, 1913: At this cor. I set off 21°08'N. on the decl. arc. and at 11h 57m a.m., l.m.t., I observe the sun on the meridian; the resulting lat. is 40°47'N. which is the proper lat. nearly.

Meanders in T.2 N.,R.7 W.

From the meander cor.of Fracl.secs.25 and 30,on W.bdy.of Tp.,which is an iron post,3 ins.dia.,extending 12 ins. above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

Thence I run with meanders in sec.30.

Along level beach .A few scattering greasewood.

S.41°36'E.34.16 chs.Bank about 2 ft.above water.

S.76°E. 45.00 chs.to the meander cor.of fracl.secs.30 and 31.

Land,level .

Soil,clay about 1 ft.deep,subsoil,sand and marl.

Undergrowth,a few scattering greasewood.

Thence in sec.31

Over level beach.

S.34°14'E.,24.20 chs.to the meander cor.of fracl.secs.31 and and 32.

Land level.

Soil,clay about 1 ft.deep,subsoil,sand,salty.

Undergrowth,a few scattering greasewood.

Thence in sec.32.

Over level beach.

S.32°27'E.,71.14 chs.to the meander cor.of fracl.secs. 5 and 32.

Land,level.

Soil,clay about 1 ft.deep,very salty,Subsoil,sand.

No timber.

Undergrowth,a few scattering greasewood.

May 26,1913

John R Stewart
U.S.Surveyor.

General Description.

This fraction township lies on the shore of Great Salt Lake,from 2 ft 6 ft.above the level of the lake.

The soil,is generally a sandy loam from 1 to 3 ft.deep,or clat loam about 1 foot deep,with sand and marl subsoil.

The only vegetation is greasewood which is dense in places and scattering in places.

There is no water except in the lake adjoining .

There are no settlers.

Part of sec.31 is probably suitable for dry farming.

John R Stewart
U.S.Surveyor.

BOUNDARIES OF T.2 N., R. 7 W.

Latitudes, Departures and Closing Errors.

Line designated	Course	Dist.	Latitudes N.	Latitudes S.	Departures E.	Departures W.
W.bdy.	North	116.44	116.44			
N.& E.Bdys.	S.41°36'E.	34.16		25.54	22.68	
" " "	S.76°E.	45.00		10.89	43.66	
" " "	S.34°14'E.	24.20		20.01	13.61	
" " "	S.32°27'E.	71.14		60.03	38.17	
" " "	West	118.20				118.20
Convergency					.02	
			116.44	116.47	118.12	118.20
				116.44		118.12
Error in lat. and dep.				:03		.08

John R Stewart
U.S.Surveyor.

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of .....

For certificate of assistants see book "K" T.4 S., R.6 W.

of the ..... Meridian, in the State of .....

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.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

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 .....

.....

For final oath of U.S.Surveyor see book "K" T.4 S., R.8 W.

.....

..... 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 8 , 1915.

The foregoing field notes of the survey of the subdivisional and meander lines of Township No.3 North, Range No.7 West, of the Salt Lake Base and Meridian, Utah,

.....

.....

.....

.....

executed by John F.Stewart under his special instructions dated April 10 , 1913 , 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.

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U. S. Surveyor General.

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4—679

BOOK A-404

F.

U.S. Surveyor General's Office
MAR 7 1914
SALT LAKE CITY, UTAH.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

and

MEANDERS

of

Township No. 1 North, Range No. 7 West,

Of the Salt Lake Base, and *Meridian,*

In the State of Utah

EXECUTED BY

John R. Stewart

In the capacity of U. S. Surveyor, under instructions dated April 10, *1913, issued by the United States Surveyor General to govern surveys included in Group No.* 20, *which were approved by the Commissioner of the General Land Office,* April 28, *1913, pursuant to authority contained in the Act of Congress dated* , *191*

Survey commenced May 29, *1913*

Survey completed June 5, *1913*

6—151

Subs — 11 — 04 — 50

Meanders — 8 — 56 — 99

BOOK A-104

INDEX DIAGRAM.

Township 1 North, *Range* 7 West

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Meanders page 13 to 16

6—151

Sub. T. 1 N. R. 7 W.

Chains	
	Survey commenced May 29, 1913, and executed with a Keuffel & Esser light mountain transit No. 20578 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 verniers of the latitude and declination arcs. Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridain at Salt Lake City, found correct and was approved by G. D. Kirkpatrick, Assistant Supervisor of Surveys.
	Note: For complete test of instrument see notes of N. Bdy. this Tp.
	At 7h 57m a.m.l.m.t., I set off 40°46'N. on the lat. arc, 21°36'N. on the decl. arc, and determine a meridian with the solar, at the Base Line cor. of secs. 31 and 32, heretofore described.
	Thence I run
	N.0°01'E. bet. secs. 31 and 32.
	Over level land, through scattering greasewood.
33.50	Enter dense greasewood, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec.cor., mkd. on brass cap ¼ S 31 | S 32 1913
	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. of cor.
44.20	Leave greasewood and enter barren alkali flat, 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. 29, 30, 31 and 32, mkd. on brass cap T 1 N R 7 W S 30 | S 29 S 31 | S 32 1913
	Dig pits, 18 x 18 x 12 ins. in each sec. 5½ ft. dist., and raise a mound of earth, 4 ft. base, 2 ft. high W.

Sub. T. 1 N., R. 7 W.

Chains	
	of cor.
	Land, level.
	Soil, clay containing a large percentage of alkali and salt. Subsoil, clay and sand. No timber.
	Undergrowth, greasewood.
	S.89°55'W. on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect W. bdy. of Tp. at the cor. of secs. 25, 30, 31 and 36, which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set and mkd. and witnessed as described by the surveyor general.
	Thence I run
	N.89°55'E. on a true line bet. secs. 30 and 31.
	Over level land; no vegetation.
19.50	Enter dense greasewoods, bears N. and S.
28.60	Leave undergrowth, bears N.30°W. and S.30°E.
40.02	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ½ sec. cor., mkd. on brass cap ¼ S 30 / S 31 1913
	Dig pits, 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high N. of cor.
80.04	The cor. of secs. 29, 30, 31 and 32.
	Land, level.
	Soil, clay; 3rd rate, contains a good deal of salt and alkali.
	No timber.
	Undergrowth, greasewood.
	Land covered with dense undergrowth 9.10 chs.
	N.0°01'E. bet. secs. 29 and 30.
	Over level land.

Chains

No vegetation.

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

¼ S 30 | S 29
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high, W of cor.

80.00 Set an iron post,3 ft.long,2"in.dia.,24 ins.in the ground,for cor.of secs.19,20,29,and 30.mkd.on brass cap

T 1 N R 7 W
S 19 | S 20

S 30 | S 29
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land level.

Soil,clay ;3rd rate.Subsoil,sand.

No timber.

No undergrowth.

S.89°55'W.,on a random line bet.secs.19 and 30.

40.00 Set temp.¼ sec.cor.

80.04 Intersect W.bdy.of Tp.,16 lks.N.of the cor.of secs. 19,24,25,and 30,which is an iron post,3 ins.dia.,12 ins. above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

Thence I run

N.89°48'E.,on a true line bet.secs.19 and 30.

Over level land;through scattering undergrowth.

17.50 Leave undergrowth and enter barren alkali flat.

40.02 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap ¼ S 19 / S 30
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.04 The cor.of secs.19,20,29,and 30.

Chains

Land level.

Soil,clay well saturated with salt and alkali.

No timber .

Undergrowth scattering greasewood on W.17.50 chs.

N.0°01'E.,bet.secs.19 and 20

Over barren alkali flat.

1.80 Enter dense greasewood,bears E.and W.

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

¼ S 19 | S 20
1913

Dig pits,18x18x12 ins. N.and S.of post,3 ft.dist. and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

45.50 Leave undergrowth and enter alkali flat,bears NW and SE.

46.10 West shore of Great Salt Lake,bears NW and SE.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.19 and 20,mkd.on brass cap

T 1 N.,R.7 W

S 19M C | S 20
1913

Dig a pit,36x36x12 ins.,S.of post,8 ft.dist.;and raise a mound of earth,4½ ft.base,2 ft.high,S.of cor.

Landlevel valley.

Soil,clay loam;3rd rate. considerable alkali and salt.

No timber.

Undergrowth,greasewood.

May 29,1913:At this cor.I set off 21°38'N.,on the decl. arc;and at 11 h 57 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°49'N.,which is the proper lat.nearly.

Chains

From the cor.of secs.13,18,19,and 24,on W.bdy.of Tp., which is an iron post,3 ins.in dia.,extending 12 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.

I run

N.89°55'E.,on a true line bet.secs.18 and 19 .

Over level land;through dense undergrowth.

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

¼ S 18

S 19
1913

Dig pits,18x 18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

42.00 Leave dense and enter scattering undergrowth,bears N.20°W.and and S.20°E.

51.60 West shore of Great Salt Lake ;.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.18 and 19,mkd.on brass cap

T 1 N R 7 W

S 18

S 19 M C
1913

dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high, W.of cor.

Land,level.

Soil on W.42.00 chs. is clay loam with some sand mixed with it;2nd rate.Subsoil sand.East 9.51 chs.is heavy clay and salty.

No timber.

Undergrowth,greasewood.

A little grass in the greasewood.

Land covered with dense undergrowth,42.00 chs.

Sub.T.1 N.,R.7 W.-Continued.

Chains	
	From the cor.of secs.7,12,13,and 18,on W.bdy.of Tp.,which is an iron post,3 ins.dia.,extending 12 ins.above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Thence I run
	N.89°55'E.,on a true line bet secs.7 and 18.
	Over level valley;through dense undergrowth.
2.50	Leave undergrowth,bears N.30°W.and S.30°E.
6.90	West shore of Great Salt Lake,about 30.00 chs.from water.
	Set an iron post,3 ft.long,1 in in dia.,26 ins.in the ground,for meander cor.of fracl.secs.7 and 18,mkd.on brass cap
	T 1 N R 7 W S 7 S 18 M C 1913
	Dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level valley.
	Soil,clay;3rd rate;salty.
	No timber.
	Dense greasewood on W.2.50 chs.
	From the cor.of secs.1,6,7,and 12,on W.bdy.of Tp.,which is an iron post,3 ins.dia.,12 ins.above ground,firmly set, and mkd.and witnessed as described by the surveyor general.
	Thence I run
	N.89°55'E.,on a true line bet.secs.6 and 7.
	Over level land;through a few scattering greasewood.
16.76	West shore of Great Salt Lake
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.6 and 7,mkd.on brass cap

Chains

T.1 N R 7 W

S 6 M C

S 7

1913

Dig a pit,36x36x12 ins., W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay;3rd rate.salty.

No timber.

Undergrowth,a few scattering greasewood.

From the cor.of secs.5,6,31,and 32,on N.bdy.of Tp., heretofore described.

I run

S.0°01'W.,on a true line bet.secs.5 and 6.

Over level land;no vegetation.

12.00 West shore of Great Salt Lake.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.5 and 6,mkd.on brass cap

T 1 N R 7 W

S 6 S 5

M C

1913

Dig a pit,36x36x12 ins.,N.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,N.of cor.

Land,level.

No vegetation.

May 29,1913.

June 4,1913:At 7 h 58 m a.m.,l.m.t.,I set off 40°46' N.,

Chains

on the lat.arc;22°25'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.,heretofore described.

Thence I run

N.0°02'E.,bet.secs.32 and 33.

Over barren alkali flat;

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 32 | S 33
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

63.20 Wash,40 lks.wide,2 ft.deep,course N.75°E.

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,mkd.on brass cap

T 1 N R 7 W
S 29 | S 28
S 32 | S 33
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay salty;3rd or 4th rate.

No vegetation.

S.89°55'W.,on a random line bet.secs.29 and 32.

40.00 Set temp.½.sec.cor.

80.06 Intersect N.and S.line,at the cor.of secs.29,30,31,and 32.

Thence I run

N.89°55'E.,on a true line bet.secs.29 and 32.

Over barren alkali flat.

40.03 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 29
S 32
1913

Dig pits,18x18x12 ins.,E.abd W.of post,3 ft.dist.;

Chains	
	and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.06	The cor.of secs.28.29,32,and 33.
	Land,Barren alkali flat.
	Soil,heavy clay saturated with salt and alkali.
	Subsoil clay and sand.
	N.89°55'E.,on a true line bet.secs.28 and 33.
	Over barren alkali flat.
13.10	Wash,40 lks.wide,2 ft.deep,course N.30°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 28 / S 33 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
51.10	West shore of Great Salt Lake.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.28 and 33,mkd.on brass cap
	T 1 N R 7 W / S 28 / S 33 M C 1913
	Dig pit ,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,barren alkali flat.
	Soil,clay ;3rd rate. salty.
	N.0°02'E.,bet.secs.28 and 29.
	Over barren alkali flat.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap

Chains

$\frac{1}{4}$ S 29 | S 28
19 | 13

Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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,mkd.on brass cap

T 1 N R 7 W
S 20 | S 21
S 29 | S 28
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level valley.

Soil,clay saturated with salt and alkali.

No vegetation.

June 4,1913:At this cor.I set off 22°27'N.,on the decl. arc;and at 11 h 58 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°48'N.,which is the proper lat.nearly.

S.89°55'W.,on a random line bet.secs.20 and 29.

40.00 Set temp.$\frac{1}{4}$ sec.cor.

80.10 Intersect N.and S.line,5 lks.N.of the cor.of secs.19,20,29, and 30.

Thence I run

N.89°53'E.,on a true line bet.secs.20 and 29.

Over barren alkali flat.

4.50 Enter dense greasewood,bears N.60°W.and S.60°E.

35.25 Leave undergrowth,bears N.30°W.and S.30°E.

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

$\frac{1}{4}$ S 20
S 29
1913

Dig pits,18x18x12 ins.,N.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.10 The cor.of secs.20,21,28,and 29.

Land,level.

Chains	
	Soil,on greasewood land is clay loam ,2nd rate.On barren land is heavy clay ;3rd and 4th rate.containing a great deal of salt and alkali.
	No timber.
	Undergrowth,greasewood.
	Land covered with dense undergrowth,30.75 chs.
	—
	N.89°55'E.,on a true line bet.secs.21 and 28.
	Over barren alkali flat.
5.50	West shore of Great Salt Lake about 7.00 chs.from water.
	Set an iron post,3 ft.long,1 in.in dia.26 ins.in the ground,for meander cor.of secs.21 and 28. mkd.on brass cap
	T 1 N R 7 W. S 21 \ S 28 M C 1913
	Dig pit ,36x36x12 ins.W.of post.8 ftdist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land level.
	Soil,heavy clay saturated with salt and alkali.
	No vegetation.
	— — —
	N.0°02'E.on true line bet.secs.20 and 21.
	Over barren alkali flat .
17.10	West shore of Great Salt Lake about 6.00 chs.from the water.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.20 and 21.mkd.on brass cap
	T 1 N R 7 W S 20 | M C S 21 1913
	Dig a pit,36x36x12 ins.,S.of post,8 ft.dist.;and raise

Sub.T.1 N.,R.7 W.-Continued.

Chains	
	a mound of earth,4 ft.base,2 ft.high,S.of cor.
	Land level.
	Clay soil well saturated with salt.
	No vegetation.

N.0°02'E.,bet.secs.33 and 34.

Over barren alkali flat.

37.20 West Share of Great Salt Lake.15.00 or 20 chs.from the water.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.33 and 34,mkd.on brass cap

T 1 N R 7 W.

M C

S 33 | S 34

1913

Dig a pit,36x36x12 ins.,S.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,S.of cor.

Land,level.

Soil,clay ;3rd rate.salty.

No vegetation.

June 4,1913.

John R Stewart

U.S.Surveyor.

Meanders in T.1 N., R.7 W.

June 5,1913:At 7 h 58 m a.m.,l.m.t.,I set off 40°46'N.,on the lat.arc;22°33'N.,on the decl.arc;and determine a meridian with the solar,at the witness cor.to the Base Line cor.of secs.34 and 35,which is 15.00 chs.East of the Standard ¼ sec.cor.on S.bdy.of sec.34,heretofore described.

Thence I run

With meanders in Sec.34

Over level beach.

N.57°30'W.,20.00chs.

N.55°20'W.,46.40 chs.to the meander cor.of fracl.secs. 33 and 34.

Land,level.

Soil clay 4th rate.salty.

No vegetation.

Thence with meanders in sec.33.

Over level beach about 20 chs.from water.

N.34°W. 51.70 chs.to the meander cor.of fracl.secs. 28 and 33.

Land,level.

Soil,heavy clay very salty.

No vegetation.

Thence with meanders in sec.28.

Over level beach. from 15 to 20 chs.from water.

N.32°30'W., 52.19 chs.

N.26°W. 40.00 chs.to the meander cor.of fracl.secs.21 and and 28.

Land,level beach .

Soil,clay ;4th rate.very salty.

No vegetation.

Chains

Thence with meanders in sec.21

Over level beach.a few scattering greasewood.

N.17°50'W. 17.97 chs.to the meander cor.of fracl.secs.

20 and 21.

Land,level beach. about 2 ft.above water.

Soil,clay ;4th rate.very salty.

No timber.

Undergrowth,a few scattering greasewood.

Thence with meanders in sec.20

Over nearly level beach;through a few scattering

greasewood.

N.30°W. 25.00 chs. 15.00 chs.from water.

N.83°56'W.,68.02 chs. to the meander cor.of fracl.secs.

19 and 20.

Land level.

Soil,hard clay;4th rate.very salty.

A few scattering greasewood.

No timber.

June 5,1913;At this cor.I set off 22°33'N.,on the decl.

arc;and at 11 h 58 m a.m.,l.m.t.,I observe the sun on

the meridian,the resulting lat.is 40°49'N.,which is the

proper lat.nearly.

Thence with meanders in sec.19

Over level beach.through a few scattering greasewoods.

N.40°08'W.,44.16 chs.to the meander cor.of fracl.secs.

18 and 19.

Land,level.

Soil,clay ;4th rate.very salty.

No timber.

Undergrowth,a few scattering cedars.

About 30.00 chs.from the water.

Thence with meanders in sec.18.

Along level beach through very scattering greasewood.

N.16°30'W. 15.00 chs.

N.62°15'W. 40.00 chs.

N.6°14'W. 47.22 chs. to the meander cor.of fracl.secs. 7 and 18. about 30.00 chs.from waters edge.

Land,level.

Soil,clay;4th rate.

No timber.

Undergrowth,a few scattering greasewood.

Thence with meanders in sec.7.

Over level land;through very scattering greasewoods.

N.7°01'E.,80.46 chs.to the meander cor.of fracl.secs. 6 and 7. ~~xhnnk~~

Land,level.

Soil,clay;4th rate.

No timber.

Undergrowth,a few scattering greasewoods.

Thence with meanders in sec.6 .

Level land;no vegetation.

N.16°15'E. 60.00 chs.

N.72°25'E. 48.82 chs.to the meander cor.of fracl.secs.5 and 6

Land,level.

Soil,clay 4th rate.very salty.

No vegetation.

Thence with meanders in sec.5.

Over level beach;No vegetation.

N.72°32'E., 40.05 chs.to the Meander cor.of fracl.secs.
5 and 32,heretofore described.

Land,level.

Soil,clay;4th rate.very salty.

No vegetation.

June 5,1913.

John R Stewart

U.S.Surveyor.

General Description.

This fractional township lies along the west shore of the Great Salt Lake;it is from 2 to 8 ft.above the level of the lake.It has undoubtedly been under water since the Lake has been salty and still retains a large percentage of salt and alkali.There are patches of the higher ground that support a good growth of greasewood. But on a large part of the township there is no vegetation. There are no settlers in the township.

Sub.T.1 N.,R.7 W.-Continued.

There is no water except the lake which forms the east bdy.of the Tp.

There are some patches that would be suitable for dry farming.

John R Stewart
U.S.Surveyor.

June 5,1913.

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BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures; in surveying all those parts or portions of .....

For certifiate of assistants see book "K" T.4 S., R.6 W.

of the ..... Meridian, in the State of .....

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.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

6—2761

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 .....

For final oath of U.S.Surveyor see book "K" T.4 S., R.6 W.

..... 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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 1915

The foregoing field notes of the survey of the subdivisional and meander lines of Township No.1 North, Range No.7 West, of the Salt Lake Base and Meridian, Utah,

executed by John R.Stewart

under his special instructions dated April 10, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A C Thorsen

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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KFB.

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BOOK A-404
G.

U. S. Surveyor General's Office
MAR 7 1917
SALT LAKE CITY, UTAH.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

and

MEANDERS

of

Township No.1 South, Range No.6 West,

Of the Salt Lake Base and *Meridian,*

In the State of Utah

EXECUTED BY

John R. Stewart and Robert D. Dalton

In the capacity of U. S. Surveyor and Transitman *, under instructions dated* April 10, *, 191*3*,*

issued by the United States Surveyor General to govern surveys included in

Group No. 20 *, which were approved by the Commissioner of the General Land*

Office, April 28 *, 191*3*, pursuant to authority contained in the Act of*

Congress dated *, 191*

Survey commenced June 2, 1913. *, 191*

Survey completed June 9, 1913. *, 191*

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Lube — 57-39-75
Meand — 00-50-32

BOOK A-404

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Subdivision of T. 1 S., R. 6 W.

Chains

Survey commenced June 2, 1913, and executed with a Keuffel and Esser light mountain transit No. 20037 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.

Five-chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved by G. D. D. Kirkpatrick, Assistant Supervisor of Surveys.

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 p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows:

At the cor. of secs. 25, 30, 31 and 36, on. E. bdy. of Tp., latitude 40°41'43"N. longitude 112°27'53" west, I set off 40°42'N. on the lat. arc, 22°13'N. on the decl. arc, and at 3h 58m p.m., l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 2, 1913.

June 3, 1913: At 2h 47m a.m.l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground 5.00 chs. N. of the cor.

At 7h 30m a.m.l.m.t., I lay off the azimuth of Polaris 1°31' to the west, and mark a point in the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor., this mark falls 0.29 ins. east of the meridian determined by the solar.

At 7h 58m a.m.l.m.t., I set off 40°42'N. on the lat.

Chains	
	arc, 22°19'N. on the decl. arc, and determine a meridian with the solar, and mark a point thereof by a cross on the stone already set 5.00 chs. N. of the cor., this mark falls 0.31 ins. east of the meridian established by Polaris observation; therefore I concluded that the solar apparatus by p.m. and a.m. observations defines positions for meridian respectively about 0'15" west and 0'16" east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 8h 30m a.m. is N.16°57'W., the angle thus determined gives the mag. decl. 16°57'E.
	From the cor. of secs. 25, 30, 31 and 36 on E. bdy. of Tp. heretofore described.
	I run
	West on a random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. of secs. 25, 26, 35 and 36.
	Thence I run,
	South on a random line bet. secs. 35 and 36.
40.00	Set temp. ¼ sec. cor.
81.20	Intersect S. bdy. of Tp. 85 lks. S. of the cor. of secs. 1, 2, 36 and 36 heretofore described; therefore I begin at said cor. and run
	North bet. secs. 35 and 36.
	Over level land, through scattering greasewood.
41.20	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., mkd. on brass cap ¼ S 35 | S 36 1913
	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. of co
49.10	Road bears E. and W.
81.20	Fall 85 lks. E. of temp. cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the

Sub.T.1 S.,R.6 W.-Continued.

Chains

ground,for cor.of secs.25,26,35,and 36,mkd.on brass cap

T 1 S R 6 W
S 26 | S.25
S 35 | S 36
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy clay loam;3rd rate.considerable alkali in the soil.

Undergrowth,scattering greasewood.

No timber.

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

Over level land;through scattering patches of greasewood.

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

¼ S 25
S 36
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

79.15 The cor.of secs.25,30,31,and 36.

Land,level.

Soil,clay and sandy;3rd.rate.containing considerable alkali.

No timber.

Undergrowth,scattering greasewood.

West,on Sectional correction line bet.secs.26 and 35.

Over level land;through scattering undergrowth.

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

Chains

¼ S 26	
S 35	

1913

Dig pits,18x18x12 ins.E.and W.of post,3 ft.dist.;and raise a moundof earth,3½ ft.base,1½ ft.high,N.of cor.

80.00 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,mkd.on brass cap

T 1 S R 6 W

S 27	S 26
S 34	S 35

1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4½ ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sand and clay considerable alkali.

Subsoil,clay.

Undergrowth,scattering greasewood. No timber.

No grass.

June 3,1913:At this cor.I.set.off 22°19'n.,on the decl. arc;and at 11 h 58 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°42'N.,which is the proper lat.nearly.

West,on a sectional correction line bet.secs.27 and 34.

Over level land;through scattering undergrowth.

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

¼ S 27
S 34

1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.and raise a moundof earth,3½ ft.base,1½ ft.high,N.of cor.

73.60 Small stream of salty water,8 lks.wide,6 ins.deep,course N.

80.00 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,mkd.on brass cap

T 1 S R 6 W

S 28	S 27
S 33	S 34

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and

Chains	
	raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,clay and sandy containing a large percentage of alkali.3rd rate.
	No timber.
	Undergrowth,scattering greasewood,shadscales and salt weeds.
	West,on sectional correction line,bet.secs.28 and 33.
	Over level land;through Scattering undergrowth.
30.25	Wagon road,from Grantsville to Stansbury Island,bears N.and S.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 28 / S 33 / 1913
	Dig pits,18x18x.2 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
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,mkd.on brass cap
	T 1 S R 6 W S 29 | S 28 S 32 | S 33 1913
	Dig pits,18x18x12 ins.in each sec 5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,clay and sandy;3rd rate.Subsoil,clay,alkali.
	Undergrowth,scattering patches of greasewoods. No timber.
	West,on a sectional correction line bet.secs.29 and 32.
	Over level land;through scattering undergrowth.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap.

Chains	
	½ S 29
	S 32
	1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
48.75	Wash,10 lks.wide,2 ft.deep,course 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.29,30,31 and 32,mkd.on brass cap

T 1 S R 6 W

S 30	S 29
S 31	S 32

1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy clay loam;3rd rate.

Undergrowth,greasewood and salt weeds.

No timber.

West,on a sectional correction line,bet.secs.30 and 31.

Over level land;through dense undergrowth.

7.85	Telephone line from Grantsville to Delle,bears N.29°50'W. and S.29°50'E.
9.40	County road,bears N.30°W.and S.30°E. from Grantsville to Delle.
21.00	Road,bears N.25°W.and S.25°E.
22.00	Old road,bears N.and S.
23.40	Road,bears N.and S.
32.94	Intersect W.bdy.of Tp.,170 lks.S.0°05'E.of the cor.of secs. 25 and 36,heretofore described.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.30 and 31,mkd.on brass cap

T 1 S

R 7 W	R 6 W
S 25	
S 36 C	S 30
C	S 31

1913

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

½ Land,level.

Chains	
	Soil,clay and sandy loam;2nd and 3rd rate.Considerable alkali.
	No timber.
	Undergrowth,greasewood and shadscales.
	Good grass for grazing.(salt grass)
	June 3,1913.
	June 4,1913:At 11 a.m.,I run
	North on sectional guide meridian, bet.secs.25 and 26.
	Over level valley;through scattering undergrowth.
35.90	Western Union Telegraph Line,bears N.69°W.and S.69°E.
37.02	Western Union Telegraph line,bears N.69°W.and S.60°E.
37.78	Western Pacific R R track,bears N.69°W.and S.69°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 26 | S 25 1913
	Dig pits,18x18x12 ins.,N.and S of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
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,mkd.on brass cap
	T 1 S R 6 W S 23 | S 24 N 26 | S 25 1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,clay ;2nd and 3rd rate.considerable alkali in the soil.
	No timber.
	Undergrowth,greasewood and salt weed.
	No grass.
	June 4,1913:At this cor.I set off 22°27'N.,on the decl.

Chains

arc;and 11 h 58 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.

East,on a random linebet.secs.24 and 25.

40.00 Set temp.¼ sec.cor.

78.08 Intersect E.bdy.of Tp.,5 lks.S.of the cor.of secs.19,24, 25,and 30., heretofore described.

Thence I run

S.89°58'W.,on a true line bet.secs.24 and 25.

Over level land;through a few scattering greasewood and salt weeds.

38.08 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 24
S 25
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

78.08 The cor.of secs.23,24,25,and 26.

Land,level.

Soil,clay with considerable alkali,3rd rate.

Subsoil,clay.

A few greasewood and saltweed. No timber.

North,on sectional guide meridian, bet.secs.23 and 24.

Over level valley.

Barren alkali flat.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for¼sec.cor.mkd.on brass cap

¼ S 23 | S 24.
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a moundof earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 Set an iron post,3 ft.long,2 ins.in the dia.,24 ins.in the

Chains

ground,for cor.of secs.13,14,23,and 24,mkd.on brass cap

T 1 S R 6 W
S 14 | S 13
S 23 | S 24
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay loam;with a subsoil of oolitic sand six ins. below the surface . considerable alkali and salt.

No vegetation.

N.89°58'E.,on a random linebet.secs.13 and 24.

40.00 Set temp.¼ sec.cor.

78.08 Intersect E.bdy.of Tp. ,at the cor.of secs.13,18,19,and 24, heretofore described.

Thence I run

S.89°58'W.,on a true linebet.secs.13 and 24.

Over level barren flat.

38.08 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 13
S 24
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

78.08 The cor.of secs.13,14,23,and 24.

Land.level valley.

Clay soil 6 ins.deep,Subsoil,oolitic sand.

No vegetation.

North,on sectional Guide Meridian,Bet.secs.13 and 14.

Over barren alkali flat.

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

Sub.T.1 S.,R.6 W.-Continued.

Chains	
	¼ S 14 | S 13 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
80.00	Set an iron post,3 ft.long,2 ins.in dia., 24 ins.in the ground,for cor.of secs11,12,13,and 14.mkd.on brass cap
	T 1 S R 6 W S 11 | S 12 S 14 | S 13 1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level. alkali flat.
	Soil,clay and oolitic sand mixed,with clay subsoil.
	No vegetation.
	N.89°58'E.,on a random linebet.secs.12 and 13.
40.00	Set temp.¼ sec.cor.
78.11	Intersect E.bdy.of Tp.at the cor.of secs.7,12,13,and 18 theretofore described. Thence I run
	S.89°58'W.,on a true linebet.secs.12 and 13.
	Over level land;through alkali flat.
38.11	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 12 S 13 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high, N.of cor.
78.11	The cor.of secs.11,12,13,and 14.
	Land,level.
	Soil,clay and oolitic sand;3rd rate.considerable salt and alkali.
	No vegetation.
	June 4,1913.

Sub.T.1 S.,R.6 W.-Continued.

Chains	
	June 5,1913 :At 7 h 58 m a.m.,l.m.t.,I set off 40°44'N., on the lat.arc;22°33'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.11,12,13,and 14.
	Thence I run
	North,on a sectional Guide Meridian bet.secs.11 and 12.
	Over barren flat.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	¼ S 11 | S 12 1913
	Dig pits 18x18x12 ins.,N.and S.of post,3 ft. dist..and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,26 ins.in the ground,for cor.of secs.1,2,11,and 12,mkd.on brass cap
	T 1 S R 6 W S 2 | S 1 S 11 | S 12 1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level .
	Soil,clay and sandy;3rd and 4th rate.
	No vegetation.
	N.89°58'E.,on a random line bet.secs.1 and 12.
40.00	Set temp.¼ sec.cor.
78.15	Intersect E.bdy.of Tp.,2 lks.N.of the cor.of secs.1,6,7, and 12., heretofore described.
	Thence I run
	S.89°59'W.,on a true line bet.secs.1 and 12.
	Over barren alkali flat.
38.15	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	¼ S 1 S 12 1913

Chains

dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

78.15 The cor.of secs.1,2,11,and 12.

Land,level .

Soil,sandy and clay ;3rd rate.salty.

No vegetation.

North,on sectional Guide Meridian;through secs.1 and 2.

Over barren alkali flat.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 2 | S 1
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

85.10 Intersect Salt Lake Base,8.40 chs.West of the Base Line ¼ sec:cor.on S.bdy.sec.35,heretofore described.

Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.1 and 2,mkd,on brass cap

T 1 N R 6 W
S 35 | S 36
C C
S 2 | S 1
T 1 S R 6 W
1913

Dig pits,24x18x12 ins.,crosswise on each line,E and W 3 ft.and S.of post,7 ft.dist.;and raise a mound of earth, 4 ft.base,2 ft.high,S.of cor.

Land,level

Soil,clay and sandy 4th rate.salty .

No vegetation.

June 5,1913:At this cor.I set off 22°33IN.,on the decl. arc;and at 11 h 58 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°46'N.,which is the proper lat.nearly.

Sub.T.1 S.,R.6 W.-Continued.

Chains	
	From the cor.of secs.26,27,34,and 35.
	I run
	South,on a random line bet.secs.34 and 35.
40.00	Set temp.½ sec.cor.
82.40	Intersect S.bdy.of Tp.,21 lks.East of the cor.of secs. 2,3,34,and 35,heretofore described.
	Thence I run
	N.0°09'E.,on a true linebet.secs.34 and 35.
	Over level land;through scattering undergrowth.
42.40	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 34 | S 35 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3.ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
82.40	The cor.of secs.26,27,34,and 35.
	Land,level.
	Soil,sandy clay;3rd rate.Subsoil,clay.Considerable alkali.
	Undergrowth,shadscales and greasewood. No timber.
	———
	N.0°01'W.,bet.secs.26 and 27.
	Over level land;through scattering undergrowth.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 27 | S 26 1913
	Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
66.48	Western Union Telegraph line,bears N.69°W.and S.69°E.
67.68	Western Uninon Telegraph line,bears N.69°W.and S.69°E.
	About 50 ft.west of the Mile post No.888 on the Western Pacific R.R.
68.47	Western Pacific R R.track,bears N.69°W.and S.69°E.
80.00	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,mkd.on brass cap

Chains

T 1 S R 6 W
S.22 | S.23
S 27 | S 26
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy clay;about 2 ft.deep,3rd rate.

Undergrowth,greasewood ,shadscales,and white sage.

No timber.

East,on a random line,bet.secs.23 and 26.

40.00 Set temp.¼.sec.cor.

80.06 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 level land;through scattering greasewood.s.

40.03 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 23
S 26
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.06 The cor.of secs.22,23,26,and 27.

Land,level.

Soil,sandy;alkali;3rd and 4th rate.

No timber.

Undergrowth,a few scattering greasewood.

N.0°01'W.,bet.secs.22 and 23.

Over level land;through scattering undergrowth.

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

Chains

¼ S 22	S 23

1913

Dig pits,18x18x12 ins.,N.and S.of post;5 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 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,mkd.on brass cap

T 1 S R 6 W

S 15	S 14
S 22	S 23

1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.,and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level

Soil,sandy and clay ;;3rd rate.salty .

Undergrowth,patches of greasewoods.

No timber.

East,on a random linebet.secs.14 and 23.

40.00 Set temp.¼ sec.cor.

80.04 Intersect N.and S.line,4 lks.S.of the cor.of secs.13,14, 23,and 24.

Thence W run

S.89°58'W.,on a true line bet.secs.14 and 23.

Over level land;through scattering patches of greasewood.

40.02 Set an iron post 3 ft.long,1 inlin dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap

¼ S 14
S 23

1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.04 The cor.of secs.14,15,22,and23.

Land,level

Soil,sandy and clay;3rd rate.alkali.

A few scattering greasewoods. No timber.

Chains

N.0°01'W.,bet.secs.14 and 15.

Over level land;through a few scattering greasewoods.

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

¼ S 15 | S 14
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.10,11,14,and 15,mkd.on brass cap

T.1 S R.6 W.
S 10 | S 11
S 15 | S 14
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level

Soil,sandy;4th rate.alkali.

Undergrowth,a few scattering greasewood. No timber.

June 5,1913.

June 6,1913.:At 7 h 58 m a.m.,l.m.t.,I set off 40°44'N., on the lat.arc;22°39'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.10,11,14,and 15.

Thence I run

N.89°58'E.,on a random line bet.secs.11 and 14.

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.and S.line,at the cor.of secs.11,12,13,and 14.

Thence I run

S.89°58'W.,on a true line bet.secs.11 and 14.

Over level land;through alkali flat.

40.01 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..,mkd.on brass cap

¼ S 11
S 14
1913

Chains	
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.0 2	The cor.of secs.10,11,14,and 15.
	Land,level.
	Soil,sandy and alkali;4th rate.
	No timber.
	No vegetation.

	N.0°01'W.,bet.secs.10 and 11.
	Over level flat.Barren
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 10 | S 11
1913

	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise amound of earth,3½ ft.base,1½ ft.high,W.of cor.
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,mkd.on brass cap

T 1 S R 6 W
S 3 | S 2
S 10 | S 11
1913

	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,sandy containing considerable alkali.
	Subsoil,clay .
	No vegetation.

	N.89°58'E.,on a random line bet.secs.2 and 11.
40.00	Set temp.½ sec.cor.
80.02	Intersect N.and S.line,at the cor.of 1,2,11,and 12.
	Thence I run
	S.89°58'W.,on a true line,bet.secs.2 and 11.

Sub.T.1 S.,R.6 W.-Continued.

Chains	
	Over level land;barren.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.mkd.on brass cap ¼ S 2 S 11 1913 Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.02	The cor.of secs.2,3,10,and 11. Land,level. Soil,sandy and clay;4th rate.Alkali. No undergrowth. No timber.
	N.0°01'W.,bet.secs.2 and 3.
	Over level barren flat.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.,in the ground,for ¼ sec.cor.mkd.on brass cap ¼ S 3 | S 2 1913 Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
85.10	Intersect Salt Lake Base Line,8.42 chs.West of the ¼ sec. cor.on S.bdy.sec.34,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,mkd.on brass cap T 1 N R 6 W S 34 | S 35 C C S 3 | S 2 T 1 S R 6 W. 1913 Dig pits,24x18x12 ins.crosswise of each line E.and W.3 ft. and S.of post,7 ft.dist.;and raise a mound of earth,4 ft. base,2 ft.high,S.of cor. Land,level. Soil,clay and sandy;4th rate.salty and alkali. No undergrowth. No timber. June 6,1913:At this cor.I set off 22°40'N.,on the decl.

Chains

and at 11 h 58 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°46'N.,which is the proper lat.nearly.

Robert D. Dalton
U.S.Transitman.
~~U.S.Surveyor.~~

June 6,1913:At 7 h 58 m a.m.,l.m.t.,I set off 40°42'N., on the lat.arc;22°39'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.27,28,33,and 34.

Note:For test of instrument see notes of Salt Lake Base Line through Range 6 W.(J.R.S.)

Thence I run

S.0°9'W.,on a random line bet.secs.33 and 34.

40.00 Set temp.$\frac{1}{4}$ sec.cor.

83.74 Intersect S.bdy.of Tp.,7 lks.E.of the cor.of secs.3,4, 33,and 34,heretofore described.

Thence I run

N.0°12'E.,on a true line bet.secs.33 and 34.

Over level land;through scattering undergrowth.

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

$\frac{1}{4}$ S 33 | S 34
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and rai raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

61.05 Small stream,(salty)8 lks.wide,N.15°W.

66.25 Same stream ,8 lks.wide,,course N.20°E.

83.74 The cor.of secs.27,28,33,and 34.

Land,level.

Soil,clay and sandy;3rd rate.

Subsoil,clay.

Undergrowth,greasewood and shadscales.

No timber.

Chains

N.0°02'W.,bet.secs.27 and 28

Over level valley;through dense undergrowth.

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

¼ S 28	S 27
1913	

Dig pits,18x18x12 ins.,N.and S.of post,5 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

42.00 Leave dense and enter.scattering undergrowth,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.21,22,27,and 28,mkd.on brass cap

T 1 S R 6 W

S 21	S 22
S 28	S 27

1913.

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,oolitic sand,2 ft.deep,2nd and 3rd rate.

Subsoil,clay.

Undergrowth,greasewood ,rabbit brush,and white sage.

A little grass. No timber.

Land covered with dense undergrowth,42.00 chs.

June 6,1913.At this cor.I set off 22°40'N.,on the decl. arc;and at 11 h 58 m a.m,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.

East,on a random line bet.secs.22 and 27.

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.and S.line,at the cor.of secs.22,23,26,and 27.

Thence I run

West,on a true line bet.secs.22 and 27.

Sub.T.1 S.,R.6 W.-Continued.

Chains	
	Over level land;through scattering undergrowth.
30.14	Western Pacific R R Track,bears N.69°W.and S.69°E.
32.10	Western Union Telegraph line,bears N.69°W.and S.69°E.
35.00	Western Union Telegraph line,bears N.69°W.and S.69°E.
39.00	Enter dense undergrowth,bears NE and SW.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 22 S 27 1913 Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.02	The cor.of secs.21,22,27,and 28.
	Land,level.
	Soil,oolitic sand;1 ft.deep,salty and alkali.
	Subsoil,clay .
	Undergrowth,greasewood.
	No timber.
	Land covered with dense undergrowth.39.00 chs.

	N.0°02'W.,bet.secs.21 and 22.
	Over level land;through scattering undergrowth.
17.30	Western Union Telegraph line,bears N.69°W.and S.69°E.
18.40	Western Union telegraph line,bears N.69°W.and S.69°E.
19.15	Western Pacific R.R.Track,bears N.69°W.and S.69°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 21 | S 22 1913 Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of 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,mkd.on brass cap T 1 S R 6 W S 16 | S 15 S 21 | S 22 1913

Chains	
	dig pits,18x18x12 ins. in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high, W.of cor.
	Land,level valley.
	Soil,oolitic sand 1 ft.deep,subsoil,clay ;alkali and salt.
	Undergrowth,scattering greasewood.
	No timber.
	No grass.
	East,on a random line bet.secs.15 and 22.
40.00	Set temp.½ sec.cor.
80.06	Intersect N.and S.line,at the cor.of secs.,14,15,22,and 23.
	Thence I run
	West,on a true line bet.secs.15 and 22.
	Over level land;through scattering undergrowth.
40.03	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 15 / S 22 1913
	Dig pits18x18x12 ins.,E.and W.of post,3 ft.dist.and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.06	The cor.of secs.15,16,21,and 22.
	Land,level.
	Soil,oolitic.sand,1 ft.deep,subsoil,clay.
	Undergrowth,a few scattering greasewood.
	No timber.
	N.0°02'W.,bet.secs.15 and 16.
	Over level barren land.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor. mkd.on brass cap
	½ S 16 | S 15 1913
	Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and

Sub.T.1 S.,R.6 W.-Continued.

Chains	
	raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
42.25	Enter dense greasewood and shadscales,bears NE and SW.
50.00	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,mkd.on brass cap

T 1 S R 6 W
S 9 | S 10
S 16 | S 15
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,on S.41.25 chs.is almost barren alkali flat,soil oolitic sand;3rd rate.

N.38.75 chs.is clay and sandy loam covered with greasewood and shadscales.

No timber.

East,on a random line bet.secs.10 and 15.

40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,2 lks.S.of the cor.of secs.10,11,14, and 15.

Thence I run

S.89°59'W.,on a true line bet.secs.10 and 15.

Over barren alkali flat.

40.03	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap

¼ S 10
S 15
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.; and raise a mound of earth,3½ ft.base,1½ ft.high, N.of cor.

50.00	Enter dense undergrowth,bears NW.and SE.
80.06	The cor.of secs.9,10,15,and 16.

Land,level.

Soil,sandy and clay ;3rd rate.

No timber.

Chains	
	Undergrowth,shadscales and greasewood.
	Land covered with dense undergrowth,30.06 chs.
	N.0°02'W.,bet.secs.9 and 10.
	Over level land;through scattering undergrowth.
6.50	Road from Grantsville to Stansbury Island,bears NE and SW.
16.50	Enter dense greasewood ,bears N.60°E.and S.60°W.
39.25	Leave undergrowth,enter barren flat,bears N.60°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 9 | S 10
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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,mkd.on brass cap

T 1 S R 6 W

S 4	S 3
S 9	S 10

1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level. No timber.

16.50 to 39.25 chs.is covered with dense undergrowth and is clay loam 2nd rate.Balance of mile is almost barren alkali flat.

	N.89°59'E.,on a random line bet.secs.3 and 10.
40.00	Set temp.¼ sec.cor.
80.04	Intersect N.and S.line,2 lks.S.of the cor.of secs. 2,3,10,and 11.
	Thence I run
	S.89°58'W.,on a true line bet.secs.3 and 10.

Sub.T.1 S.,R.6 W.-Continued.

Chains

Over level land;No vegetation.

40.02 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap

¼ S 3
S 10
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

66.80 Road,from Grantsville to Stansbury Island,bears N.and S.

80.04 The cor.of secs.3,4,9,and 10.

Land,level alkali flat.

No vegetation.

Soil,clay 4th rate.

N.0°02'W.,bet.secs.3 and 4.

Over barren alkali flat.

16.25 Enter dense undergrowth,bears E.and W.

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

¼ S 4 | S 3
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

77.53 Wire fence,bears N.82°40'W,and S.82°40'E.

85.08 Intersect Salt Lake Base Line,8.47 chs.West of the Standard ¼ sec.cor.on S.bdy.of sec.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,mkd.on brass cap

T.1 N R 6 W
S 33 | S 34
C C
S 4 | S 3
T 1 N R 6 W
1913

Dig pits,24x18x12 ins.,crosswise on each line,E.and W. 3 ft.and S.of post,7 ft.dist.;and raise a mound of earth, 4 ft.base,2 ft.high,S.of cor .

Chains

Land,level

Soil,oolitic sand and clay;3rd rate.Subsoil,clay.

Undergrowth,greasewood on N.69.00 chs.

No timber.

No grass.

June 6,1913.

John R. Stewart
U.S.Surveyor.

June 6,1913:At 2 h.p.m.

From the cor.of secs.28,29,32,and 33.

I run

S.0°12'W.,on a random linebet.secs.32 and 33.

40.00 Set temp.¼ sec.cor.

85.00 Intersect the S.bdy.of Tp.,7 lks.W.of the cor.of secs.

4,5,32,and 33,heretofore described.

Thence I run

N.0°09'E.;on a true line bet.secs.32 and 33.

Over level land;through scattering undergrowth.

45.00 Set an iron post,3 ft:long,1 in.in dia.,26 ins.in the ground,for ¼ sec:cor.mkd.on brass cap

¼ S 32 | S 33
1913

Dig pits;18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

85.00 The cor.of secs.28,29,32,and 33.

land,level.

Soil,sandy and clay containing considerable alkali;

3rd rate.

Undergrowth,scattering greasewood and salt weed.

No timber.

Chains	
	N.0°02'W.,bet.secs.28 and 29.
	Over level land;through scattering undergrowth.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 29 | S 28 1913
	Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
51.50	Enter barren alkali flat,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.20,21,28,and 29.mkd.on brass cap
	T 1 S R 6 W S 20 | S 21 S 29 | S 28 1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,1½ft.high,W.of cor.
	Land,level.
	Soil,on S.51.50 chs.is clay loam;2nd rate.N.28.50 chs. is clay saturated with salt and alkali;4th rate.
	Undergrowth,scattering greasewood on S.51.50 chs.
	No timber.
	June 6,1913.

June 7,1913.:At 7 h 59 m a.m.,l.m.t.,I set off 40°43'N., on the lat.arc;22°45'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

East,on a random line bet.secs.21 and 28.

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.and S.line,12 lks.N.of the cor.of secs. 21,22,27,and 28.

Thence I run

N.89°55'W.,on a true line bet.secs.21 and 28.

Over level land;no undergrowth.

Chains

27.40 Road from Grantsville to Stansbury Island,bears N.and S.

40.01 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap

¼ S 21
S 28
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.02 The cor.of secs.20,21,28,and 29.

Land,level.

Soil,clay and sandy 4th rate.alkali in abundance.

No vegetation.

N.0°02'W.,bet.secs.20 and 21.

Over level land;no undergrowth.

20.00 Enter dense undergrowth,bears E.and W.

21.20 Old road,bears N.60°E.and S.60°W.

35.00 Leave undergrowth,bears E.and W.

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

¼ S 20 | S 21
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.; and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

49.00 Western Union Telegraph line,bears N.69°W.and S.69°E.

49.76 Western Pacific R R Track,bears N.69°W.and S.69°E.

53.70 Western Union Telegraph line,beaxs N.69°W.and S.69°E.

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,mkd.on brass cap

T 1 S R 6 W
S 17 | S 16
S 20 | S 21
1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay and sandy ;4th rate.containing alkali.

Undergrowth,dense greasewood and shadscales from 20.00

Sub.T.1 S.,R.6 W.-Continued.

Chains	
	chs.to 35.00 chs.
	No timber.

	S.89°55'E.,on a random line bet.secs.16 and 21.
40.00	Set temp.½ sec.cor.
80.02	Intersect N.and S.line,10 lks.S.of the cor.of secs.15,16, 21,and 22.
	Thence I run
	N.89°59'W.,on a true line bet.secs.16 and 21.
	Over level land.
22.50	Enter dense undergrowth,bears N.and S.
30.50	Road from Grantsville to Stansbury Island,bears N.and S.
37.70	Old road,bears N.30°W.and S.30°E.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 16 / S 21
	1913.
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
61.00	Leave undergrowth,bears N.and S.
80.02	The cor.of secs.16,17,20,and 21.
	Land,level.
	Soil,sand and clay.;3 rd rate.
	Dense undergrowth of shadscales 38.50 chs.
	No timber.

	N.0°02'W.,bet.secs.16 and 17.
	Over level land;no vegetation.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	¼ S 17 | S 16
	1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

Chains

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,mkd.on brass cap

T 1 S R 6 W

S 8	S 9
S 17	S 16

1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy;contains a large amount of alkali.,4th rate.

No vegetation.

June 7,1913:At this cor.I set off 22°46'N.,on the decl. arc;and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°44'N.,which is the proper lat.nearly.

South,89°59'E.,on a random line bet.secs.9 and 16.

40.00 Set temp.½ sec.cor.

80.04 Intersect N.and S.line,at the cor.of secs.9,10,15,and 16.

Thence I run

N.89°59'W.,on a true line bet.secs.9 and 16.

Over level land;thro

2.70 Road from Grantsville to Stansbury Island,bears N.and S.

40.02 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap

½ S 9
S 16

1913

Dig pits,18x18x12 ins.,E and W of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

80.04 The cor.of secs.8,9,16,and 17.

Land,level.

Soil,sandy alkali;4th rate.

No vegetation.

Chains	
	N.0°02'W.,bet.secs.8 and 9.
	Over level land.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 8 | S 9 Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
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,mkd.on brass cap T 1 S R 6 W S 5 | S 4 S 8 | S 9 1913 Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,sandy 4th rate.contains a large amount of alkali and salt.
	No vegetation.
	S.89°59'E.,on a random line bet.secs.4 and 9.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,4 lks.N.of the cor.of secs.3,4, 9,and 10.
	Thence I run
	N.89°57'W.,on a true line bet.secs.4 and 9.
	Over level land;through dense undergrowth.
38.80	Leave undergrowth,bears N.and S.
40.03	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼ S 4 S 9 1913 Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
48.00	Low sand ridge,bears N.60°W. and S.60°E.
	Dense.

Chains

80.06 The cor.of secs.4,5,8,and 9.

Land,level.

Soil,sandy 4th rate.Contains a large amount of alkali.

Patches of greasewood.

No timber.

N.0°02'W.,bet.secs.4 and 5.

Over level land.

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

¼ S 5 | S 4

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,5½ ft.base,1½ ft.high,W.of cor.

85.06 Intersect Salt Lake Base Line,8.56 chs.West,of the ¼ sec.cor.,on S.bdy.sec.32,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,mkd.on brass cap

T 1 N R 6 W
S 3 2 | S 33

C C
S 5 | S 4
T 1 S R 6 W.
1913

Dig pits,24x18x12 ins.,Acrosswise on each line,E.and W. 3 ft.and S.of post,7 ft.dist.;and raise a moundoof earth, 4 ft.base,2 ft.high,S.of cor.

Land,level.

Soil,sandy 4th rate. Contains a large amount of alkali and salt.

No vegetation.

June 7,1913.

Robert D.Dalton

U.S.Transitman.

~~U.S.Surveyor.~~

Chains	
	June 7,1913:At 7 h 59 m a.m.,l.m.t.,I set off 40°42'N., on the lat.arc;22°45'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.29.30,31,and 32. Thence I run
	S.0°9'E.,on a random line bet.secs.31 and 32.
40.00	Set temp.½ sec.cor.
85.04	Intersect S.bdy.of Tp.,3 lks.W.of the cor.of secs.5,6,31,and 32,which is an iron post,3 ins.in dia.,extending 12 ins. above ground,firmly set,and mkd.and witnessed as described by the surveyor general.
	Thence I run
	N.0°08'E.,on a true line bet.secs.31 and 32.
	Over level land;through dense undergrowth.
14.85	Road,bears E.and W.
15.95	Wash,20 lks.wide,2 ft.deep,course E.
	Asc.
23.50	Top of ridge,50 ft.above wash,bears E.and W.
	Desc.
34.00	Foot of slope,75 ft.below ridge,bears E.and W.
	Enter flat.
44.80	Road,bears N.60°W.and S.60°E.
45.04	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap
	¼ S 31 | S 32 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
62.50	Road,Grantsville to Delle,bears N.30°W.and S.30°E.
70.85	Telephone line,from Grantsville to Delle,bears N.29°50'W. and S.29°50'E.
85.04	The cor.of secs.29,30,31,and 32.
	Land,level and hilly.
	Soil,sandy ,clay,and rocky;2nd and 3rd rate.
	Subsoil,clay and gravel.
	Undergrowth,sage,greasewood and shadscales.
	Some salt grass. No timber.

Chains	
	N.0°03'W.,bet.secs.29 and 30
	Over level land;through scattering undergrowth and salt grass.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 30 | S 29
	1913
	Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
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,mkd.on brass cap
	T 1 S R 6 W S 19 | S 20 S 30 | S 29
	1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft base,2 ft.high,W.of cor.
	Land,level.
	Soil,sand and clay;3rd and 4th rate.
	Subsoil,clay.saturated with alkali.
	Some salt grass. No timber.
	Undergrowth,salt weeds.
	East,on a random line bet.secs.20 and 29.
40.00	Set temp.¼ sec.cor.
80.00	Intersect N.and S.line,at the cor.of secs.20,21,28,and 29.
	Thence I run
	West,on a true line bet.secs.20 and 29.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 20 S 29
	1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.00	The cor.of secs.19,20,29,and 30.

Chains

:Land,level.

Soil,sandy and clay;4th rate.contains a great deal of alkali and salt.

Scattering patches of greasewood.

No timber.

West,on a true linebet.secs.19 and 30.

Over level land;

10.00 Enter swampy ground,,bears N.and S.

14.00 Leave swampy ground,bears N.and S.

32.97 Intersect W.bdy.of Tp.,1.82 chs.S.0°05'E.,of the cor.of secs. 24 and 25, heretofore described.

Set an iron post,3 ft.long;2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.19 and 30,mkd.on brass cap

T 1 S
R 7 W R 6 W
S 24 | C | S 19
S 25 C | S 30
1913

Dig pits,24x18x12 ins.,crosswise on each line,N.and S. 3 ft.and East of post,7 ft.dist.;and raise a moundof earth,4ft.base,2 ft.high,E.of cor.

Land,level.

Soil,sandy loam and clay;3rd rate.

Salt Grass is the only vegetation.

June 7,1913:At this cor,I set off 22°46'N.,on the decl. and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat,nearly.

N.0°03'W.,bet.secs.19 and 20.

Over level land;salt grass.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ secs.cor., mkd.on brass cap

Chains

$\frac{1}{2}$ S 19 | S 20
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

79.57 Western Union Telegraph line,bears N.69°W.and S.69°E.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs17,18,19,and 20,mkd.on brass cap

T 1 S R 6 W
S 18 | S 17
S 19 | S 20
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy ;4th rate. salty and alkali.

A little scattering salt grass.No other vegetation.

East,on a random line bet.secs.17 and 20.

40.00 Set temp.½ sec.cor.

80:00 Intersect N.and S.line,3 lks.S.of the cor.of secs.16,17, 20,and 21.

Thence I run

S.89°59'W.,on a true line bet.secs.17 and 20.

Over level land;~~through~~

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

¼ S 17
S 20
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a moundof earth,3½ ft.base,1½ ft.high,N.of cor.

668.80 Western Union Telegraph line,bears N.69°W.and S.69°E.

78.96 Western Pacific R R track,bears N.69°W.and S.69°E.

80.00 The cor.of secs.17,18,19,and 20.

Land,level.

Soil,sandy ; 4th rate. contains a large amount of salt and alkali. No vegetation.

Chains	
	West,on a true line bet.secs.18 and 19.
	Level land.
.94	Western Union Telegraph line,bears N.69°W.and S.69°E.
26.00	Wash,20 lks.wide,2 ft.deep,course N.
33.00	Intersect W.bdy.of Tp.,2.40 chs.S.0°05'E.,of the cor.of secs.13 and 24,heretofore described.
	Setman iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.18 and 19,mkd.on brass cap

T 1 S
R 7 W R 6 W
S13
S 24 C | S 18
C | S 19
1913

	Dig pits,24x18x12 ins.,crosswise on each line,N.and S. 3 ft.;and E.of post,7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,E.of cor.
	Land,level.
	Soil,clay;and sandy;4th rate.
	No vegetation.

	N.0°03'W.,bet.secs.17 and 18.
	Over level land.
.38	Western Pacific R R track,bears N.69°W.and S.69°E.
4.32	Western Union Telegraph line,bears N.69°W.and S.69°E.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 18 | S 17
1913

	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
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,mkd.on brass cap

T 1 S R 6 W
S 7 | S 8
S 18 | S 17
1913

	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise

Chains	
	a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,sandy 4th rate.alkali and salty.
	No vegetation.
	June 7,1913.
	John R Stewart
	U.S.Surveyor .
	June 9,1913:At 7 h.59 m a.m.,l.m.t.,I set off 40°44'N., on the lat.arc;22°56'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.7, 8,17,and 18.
	Thence I run
	N.89°59'E.,on a random line bet.secs.8 and 17.
40.00	Set temp.½ sec.cpr.
79.96	Intersect N.and S.line,at the cor.of secs.8,9,16,and 17.
	Thence I run
	S.89°59'W.,on a true line bet.secs.8 and 17.
	Over level land;
39.98	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.mkd.on brass cap
	½ S 8 / S 17 / 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
79.96	The cor.of secs.7,8,17,and 18.
	Land,level.
	Soil,sandy and clay;4th rate.contain a large amount of alkali and salt.
	No vegetation.

Chains

West,on a true line bet.secs.7 and 18.

Over level land;.

33.04 Intersect W.bdy.of Tp.,2.43 chs.S.0°05'E.,of the cor.of secs. 12.and 13,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,mkd.on brass cap

T.1 S.
R.7 W. S.6 W.
S.12 |
S.13 C | S.7
C | S.18
1913

Dig pits,24x18x12 ins.crosswise on each line,N.and S. 3 ft.and E.of post,7 ft.dist.;and raise a mound of earth,4 ft. 4 ft.base,2 ft.high,E.of cor.

Land,level.

Soil,sandy ;2 ft.deep,4th rate.

No vegetation on account of alkali and salt.

N.0°03'W.,bet.secs.7 and 8.

Over level land.

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

¼ S.7 | S.8
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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,mkd.on brass cap

T.1 S. R.6 W.
S.6 | S.5
S.7 | S.8
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy and alkali 4th rate.

Chains

No vegetation.

June 9,1913:At this cor.I set off 22°57'N.,on the decl. arc;and at 11 h 59 m a.m.,llm.t.,I observe the sun on the meridian the resulting lat.is 40°45'N.,which is the proper lat.nearly.

N.89°59'E.,on a random line bet.secs.5 and 8.

40.00 Set temp.¼ sec.cor.

79.98 Intersect N and S.line,2 lks.N.of the cor.of secs. 4,5,8,and 9.

Thence I run

West,on a true line bet.secs.5 and 8.

Over level land.

39.99 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 5
S 8
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth.3½ ft.base,1½ ft. high,N.of cor.

79.98 The cor.of secs.5,6,7,and 8.

land.level.

SSoil,sandy and clay;salty and alkali;4th rate.

No vegetation.

West,on a true line bet.secs.6 and 7.

Over level land;thm

33.06 Intersect W.bdy.of Tp.2.65 chs.S.0°05'E.,of the cor.of secs.1 and 12.,heretofore described.

Set an iron post,3 ft.long,2 in.in dia.,24 ins. in the ground,for closing cor.of secs.6 and 7,mkd.on brass cap

T1 S
R 7 W R 6 W
S 1
S 12 C S 6
C S 7
1913

Sub.T.1 S.,R.6 W.-Continued.

Chains

Dig pits,24x18x12 ins.,crosswise on each line,N.and S. of post,3 ft.and E.of post,7 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,E.of cor.

Land,level.

Soil,sandy and clay 4th rate.

No vegetation on account of salt and alkali.

N.0°03'W.,bet.secs.5 and 6.

Over level land.

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

½ S 6 | S 5
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

85.05 Intersect Salt Lake Base Line,8.51 chs.West of the standard ½ sec.cor.on S.bdy.sec.31,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,mkd.on brass cap

T.1 N.R 6 W
S 31 | S 32
C C
S 6 | S 5
T 1 S R 6 W
1913

Dig pits,24x18x12 ins.,crosswise on each line,E.and W.of post,3 ft.dist.;and S.of post 7ft.dist.; raise a mound of earth 4 ft.base, 2 ft.high S.of cor.

Land,level.

Soil,sandy and contains alkali and salt.

No vegetation on account of excess of salt and alkali.

Meanders of sec.6.

From the Witness cor.to cor.of Tps.1 S.,Rs.6 and 7 W., heretofore described.
I run with meanders in sec.6.

N.37°E.,33 chs.

N.22°48'E., 17.32 chs.to the meander cor.or witness cor. to fractional sec.31 T.1 N.R.6 W., heretofore described.

Land level beach.

Soil,sandy 4th rate.

No vegetation.

June 9,1913.

Robert D. Dalton

U.S.Transitman.
~~U.S.Surveyor.~~

GENERAL DESCRIPTION.

This township lies in the north end of Tooele valley and on the strip of land now connecting Stansbury Island. Considerable of the land has been covered by the lake in comparatively recent years and is now barren on account of the large amount of salt and alkali in the soil. The soil is generally a heavy clay from 1 to 2 ft.deep, with either clay or sand subsoil.There are streaks of oolitic sand sometimes as soil and sometimes as subsoil. There are some patches of land throughout the township that are from 10 to 20 ft.above the lake and which produce an abundant growth of greasewood and shadscales,and some grass.the soil on these patches is of a good quality and are probably suitable for dry farming.The barren land is only from 1 to 5 ft.above the lake level and the salty water is too near the surface to permit the growth of vegetation.

The only water is an alkali stream running northward through the central part of the township and the lake

Sub.T.1 S.,R.6 W.-Continued.

Chains

which touches the township at the northwest corner. There are no settlers in the township and no improvements have been made of any kind except the Western Pacific Railroad which runs through the township east and west, ~~axx~~ the Western Union Telegraph line which parallels the railroad, and the telephone line from Granstville to Delle in the southwestern corner of the township.

John R. Stewart
U.S.Surveyor.

Robert D. Dalton
U.S.Transitman.

June 9,1913.

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Page

4—680

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities ated opposite our several signatures, in surveying all those parts or portions of .....

or certificate of assistants see book "K" T.4 S., R.6 W.

the ..... Meridian, in the State of .....

hich are represented in the foregoing field notes as having been executed by him, and under his direc-n; and that said survey has been, in all respects, to the best of our knowledge and belief, well and thfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

U. S. Surveyor.

6—2761

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 oaths of U.S.Surveyor and Transitman see book "K" T.4 S.R. 6 W.

_____ 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

SEAL

_____

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 191 5.

The foregoing field notes of the survey of the subdivisional and meander lines of Township No.1 South, Range No.6 West, of the Salt Lake Base and Meridian, Utah,

executed by John R.Stewart and Robert D.Dalton under ~~his~~ their special instructions dated April 10, 191 3, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

N. C. Thoresen

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.

6—2761

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Page

4—679

BOOK A-404
H.

U. S. Surveyor General's Office
APR 7 1914
SALT LAKE CITY, UTAH.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

and

MEANDERS

of

Township No.1 North, Range No.6 West

Of the Salt Lake Base and *Meridian,*

he State of Utah

EXECUTED BY

John H. Stewart and Robert D. Dalton

he capacities of U. S. Surveyor and Transitman *, under instructions dated* April 10, *, 1913.*

ed by the United States Surveyor General to govern surveys included in

up No. 20 *, which were approved by the Commissioner of the General Land*

e, April 28 *, 1913, pursuant to authority contained in the Act of*

gress dated *, 191*

Survey commenced June 9, 1913, *, 191*

Survey completed June 21, 1913 *, 191*

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Lube — 42 — 68 — 20
Mean — 13 — 50 — 78

BOOK A-404

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Township 1 North, *Range* 6 West

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Chains.

Survey commenced June 9, 1913, and executed with a Keuffel & Esser light mountain transit, No. 20578 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. Five chain tapes and clinometers were used.

The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved May 2, 1913, by G. D. D. Kirkpatrick, Assistant Supervisor of Surveys.

Note: For test of instrument see notes of E. bdy. T.1 S. R. 6 W.

June 9, 1913: At 7 h 59 m a.m. l.m.t., I set off 40°46'N. on the lat. arc, 22°56' N. on the decl. arc, and determine a meridian with the solar, at the cor. of secs.35 and 36 on S.bdy. of Tp. Salt Lake Base Line, heretofore described.

Thence I run:

N.0° 01' W. bet. secs. 35 and 36.

Over barren alkali flat.

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

¼ S 35 | S 36
1913

Dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high W. of cor.

47.90 West shore of Great Salt Lake.

Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground, for meander cor. of fracl. secs. 35 and 36, mkd. on brass cap

T 1 N R 6 W
M C
S 35 | S 36
1913

Dig a pit, 36x36x12 ins. S. of post, 8 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high S. of cor.

Land, level.

Soil, sandy saturated with alkali and salt, 4th rate.

Chains.

No vegetation.

N.0°02'W., bet. secs. 34 and 35.

Over barren alkali flat.

26.19 Fence, bears N.73°40'E. and S 73°40'W.

35.50 Enter dense undergrowth, bears NE and W.

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

¼ S 34 | S 35
1913

Dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.

43.80 Road, to Grantsville, bears NE and SW.

Enter sage and rabbit brush and leave greasewood, bears NE and SW. Leave alkali and enter good quality of soil.

80.00 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, mkd. on brass cap

T 1 N R 6 W
S 27 | S 26
S 34 | S 35
1913

Dig pits, 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level.

Soil, on S. 35.50 chs. is heavy clay mixed with oolitic sand, containing alkali and salt and no vegetation.

From 35.50 to 43.80 chs. the soil is clay mixed with sand 2nd and 3rd rate, containing some alkali and from 43.80 chs. to 80.00 chs. the soil is sandy loam, 2nd rate. Suitable for dry farming.

No timber.

Undergrowth, greasewood 35.50 to 43.80 chs. and sage and rabbit brush from 43.80 chs. to 80.00 chs. dense and tall.

Good grass for grazing on N. 36.20 chs.

Land covered with dense undergrowth, 44.50 chs.

June 9, 1913: At this cor. I set off 22°57'N. on the decl. arc, and at 11 h 59 m a.m. l.m.t., I observe the sun on the meridian, the resulting lat. is 40°47'N. which is the proper lat. nearly.

Sub.T.1 N.,R.6 W.-Continued.

Chains	
	East, on a true line bet. secs.26 and 35.
	Over level land; through dense undergrowth.
7.00	Begin ascent of ridge, bears N. and S.
12.50	Top of quartzite ridge, 75 ft. above valley, bears N. and S.
	Desc. almost perpendicular ledge, 150 ft. high, bears N. and S.
14.00	Leave ledges, bears N. and S.
18.50	Foot of descent 100 ft. below foot of ledges, bears N. and S.
	Enter level land.
33.50	Road to Grantsville, bears N.10°E. and S.10°W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor. mkd. on brass cap

½ S 26
S 35
1913

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.

46.25	Leave undergrowth and enter barren flat, bears N.30°E. and S.30°W.
48.30	Fence, bears N.42°E. and S.42°W.
59.80	West shore of Great Salt Lake, 10.00 chs. from water.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for Meander cor. of fracl. secs.26 and 35, mkd. on brass cap

T 1 N. R 6 W.
S 26
S 35 M C
1913

Dig a pit, 36x36x12 ins., W. of post, 8 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Land, level and mountainous.

Soil, sandy loam on level land; 2nd rate; heavy clay on barrens; 4th rate; and gravelly; 3rd rate on mountainous land.

No timber.

Undergrowth, sage brush and rabbit brush.

Good grass for grazing on W.46.25 chs.

Mountainous land, or land covered with dense undergrowth, 46.25 chs.

June 9, 1913.

Sub.T.1 N.,R.6 W.-Continued.

Chains	
	June 10,1913:At 7 h 59 m a.m.,l.m.t.,I set off 40°47'N.,on the the lat.arc;23°01'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.26,27,34,and 35.
	Thence I run
	N.0°02'W.bet.secs.26 and 27.
	Over level land;through dense undergrowth.
10.00	Begin ascent of ridge,bears N.10°E.and S.10°W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,20 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 27 | S 26 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
41.10	Top of ridge,250 ft.above flat;bears NE and SW.
	Desc.
47.30	Enter heavy timber,nears NE and SW.
50.50	Bottom of hollow,50 ft.below ridge,course SW.
	Asc.
73.00	Top of main ridge,250 ft.above hollow,bears N.60°W.and S.60°E.
	Desc.
80.00	Head of hollow,100 ft.below ridge,course S.60°E.
	Set an iron post,3 ft.long,2 ins.in dia.,12 insin the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.22,23,26,and 27,mkd.on brass cap
	T 1 N R 6 W S 22 | S 23 S 27 | S 26 1913
	from which
	A cedar,8 ins.dia.,bears N.82°E.,68 lks. dist..mkd.T 1 N R 6 W S 23 B T.
	A cedar,8 ins.dia.,bears S.1°15'E.,88 lks. dist..mkd.T 1 N R 6 W S 26 B T.
	A cedar,6 ins.dia.,bears S.22°30'W.,123 lks. dist..mkd.T 1 N R 6 W S 27 B T.
	A cedar,20 ins.dia.,bears N.74°W.,66 lks. dist..mkd.T 1 N R 6 W S 22 B T.

Chains	
	Land level on S.10.00 chs.and rough and mountainous on N.70.00 chs.quartzite formation.
	Soil,sandy loam on S.10.00 chs.2nd rate;and gravelly mixed with rock,3rd rate and 1 ft.deep,on N.70.00 chs.
	Timber,heavy cedars on N.32.70 chs.
	Undergrowth,sage brush and rabbit brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	June 10,1913:At this cor.I set off 23°01'N.,on the decl. arc;and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°48'N.,which is the proper lat.nearly.
	East,on a true line bet.secs.23 and 26.
	Over mountainous land;through scattering timber and dense undergrowth.
	Asc.
4.10	Rocky quartzite spur,50 ft.above cor.,bears N .and S.
	Desc.abruptly over a series of sloping and broken quartzite ledges and boulders.
28.00	Foot of ledges,600 ft.below spur,bears N.and S.
	Desc.gradually over smooth slope.
31.50	Bottom of broad swale,300 ft.below foot of ledges,course S.
	Asc.gradually.
32.00	Leave timber,bears N.and S.
40.00	Set an iron post,3 ft.long,1 in.in dia.,20 ins.in the groundkon rock,and surrounded by mound of stone,for ¼ sec.cor..mkd.on brass cap ¼ S 23 S 26 1913 And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
50.10	Top of spur,300 ft.above hollow,bears N.and S.
	Desc.

Chains	
57.50	Bottom of hollow,175 ft.below ridge,course S.
	Asc.
75.10	Top of spur,200 ft.above hollow,bears N.60°W.and S.60°E. and S.20°W.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,14 ins.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

T 1 N R 6 W
S 23 | S 24
S 26 | S 25
1913

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

Land,mountainous ,steep rough and rocky; quartzite formation.

Soil,mountain loam in hollows and gravelly and rocky; on slopes;2nd and 4th rate.

Timber,cedar .

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

S.0°01'E,on a true line bet.sec .25 and 26.

Over mountainous land;through dense undergrowth.

Asc.over low ledges and boulders of limestone,.

1.20	Top of ridge,25 ft.above cor.,bears N.80°W.and S.80°E.
	Desc.
20.00	Foot of descent,500 ft.below ridge,bears NE and SW.
	Leave ledges and boulders,enter level land,bears NE and SW.
36.00	Road to Grantsville, bears NE. and SW.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 26 | S 25
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

Chains	
44.00	Leave undergrowth and enter barrens,bears NE.and SW.
44.60	West shore of Great Salt Lake .about 12.00 chs.from the water.
Set an	iron post,3 ft.long,1 in.in dia.,26 ins.in the ground, for meander cor.of fracl.secs.25 and 26,mkd.on brass cap

T 1 N R 6 W

S 26 | S 25

M C

1913

Dig a pit,36x36x12 ins.,N.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,N.of cor.

N.20 chs.is rough and rocky mountain with gravelly and rocky soil;3rd rate.

S.24.60 chs.is sandy and clay loam;2nd and 4th rate.

No timber.

Undergrowth,sage.

Good grass on N.20.00 chs.

Mountainous land,or land covered with dense undergrowth, 44.60 chs.

June 10,1913.

June 11,1913:At 7 h 59 m a.m.,l.m.t.,I set off 40°48'N., on the lat.arc;23°06'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

East,on a true line bet.secs.24 and 25.

Over rough mountainous land;through dense undergrowth.

Desc.over low limestone ledges.

10.30	Foot of steep descent,300 ft.below cor.,bears N.and S. Desc.gradually.
18.64	Road to Grantsville,bears N.50°W.and S.50°E.
22.40	West shore of Great Salt Lake,2 chs.from water's edge. Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.24 and 25,mkd.on brass cap

Chains

T 1 N R 6 W
S 24
N.C
S 25
1913

Dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,mountainous and rough.

Soil,mountain loam among rocks and ledges;2nd rate.about 1 ft.deep.

No timber.

Undergrowth,sage brush. A few tall greasewoods near the lake shore.

Good grass for grazing.

Mountainous land,or land covered with dense.undergrowth,

22.40 chs.

N.0°01'W.bet.secs.23 and 24.

Over rough mountainous land;through dense undergrowth.

Desc.

5.00 Head of swale,50 ft.below cor.,course E.

Asc.

11.20 Top of spur,100 ft.above swale,bears E.and W.

Desc.

23.00 Bottom of hollow,250 ft.below spur,course NE.

Asc.

35.50 Top of spur,250 ft.above hollow,bears N.60°E.and S.60°W.

Desc.abruptly over broken ledges and boulders.

40.00 Set an iron post,3 ft.long,1 in.in dia.,18 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap

¼ S 23 | S 24
1913

And raised mound of stone,2 ft.base,1½ ft.high,W.of cor.

45.00 Foot of steep descent,300 ft.below ridge,bears N.60°W.and S.60°W.

Enter small valley.

Sub.T.1 N.,R.6 W.-Continued.

Chains

80.00 Set an iron post,3 ft.long,2ins.in dia.;24 ins,in the ground,for cor.of secs.13,14,23,and 24,mkd.on brass cap

T 1 N R 6 W
S 14 | S 13
S 23 | S 24
1913

Dig pits,18x18x12 ins. in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land, on S.43.00 chs. is rough steep and rocky and the soil is loam mixed with rock and gravel;3rd rate.

N.37.00 chs.is gradually sloping valley,with sandy loam soil and gravelly subsoil.

No timber.

Undergrowth,sage brush.and greasewood.

Good grass for grazing on north slopes.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

June 11,1913:At this cor.I set off 23°06'N.,on the decl. arc;and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°49'N.,which is the proper lat.nearly.

East,on a true line bet.secs.13 and 24.

Over small valley;gradually sloping east to the lake. through dense undergrowth.

6.80 West shore of Great Salt Lake, 1.50 chs.from waters edge.

Set an iron post;3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.13 and 24,mkd.on brass cap

T 1 N R 6 W.
S 13
S 24 M C
1913

Dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land nearly level.

Soil,sandy and clay loam with some rocks;2nd rate.

Sub.T.1 N.,R.6 W.-Continued.

Chains	
	No timber.
	Undergrowth, sage brush and greasewood.
	Good grass for grazing.
	Land covered with dense undergrowth, 6.80 chs.
	N.0°01'W. bet. secs. 13 and 14.
	Over nearly level valley; through dense undergrowth.
	Asc. gradually.
20.00	Leave valley, bears N.60°E. and S.60°W.
	Asc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground, on solid gravel and surrounded by mound of stone, for ½ sec. cor. mkd. on brass cap
	½ S 14 | S 13 1913
	And raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
55.70	Top of spur, 375 ft. above valley, bears E. and W.
	Desc. abruptly over ledges and boulders.
68.00	Leave ledges, bears E. and W.
70.00	Foot of descent, bears E. and W., 300 ft. below spur.
	Enter small valley.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, mkd. on brass cap
	T 1 N R 6 W S 11 | S 12 S 14 | S 13 1913
	and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, level valley and mountainous.
	Soil, sandy loam in valleys and rocky and gravelly on ridges and slopes.
	No timber.
	Undergrowth, tall sage brush.
	Good grass for grazing.
	Mountainous land, or land covered with dense undergrowth, 80.00 chs.
	June 11, 1913.

~~Sub.T.1 N.,R.6 W.-Continued.~~

Chains

June 12,1913:At 8 h 0 m a.m.,l.m.t.,I set off 40°49'N.,on the lat.arc;23°10'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.11,12,13,and 14.

Thence I run

East,on a true line bet.secs.12 and 13.

Over level valley;through dense undergrowth.

19.90 West shore of Great Salt Lake.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.12 and 13,mkd.on brass cap

T 1 N R 6 W.

S 12 \

S 13 M C
1913

Dig a pit,36x36x12 ins.W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Mountain loam about 1 ft.deep;1st rate except on beach which is oolitic sand.

No timber.

Undergrowth,tall sage brush.

Good grass for grazing.

Land covered with dense undergrowth,19.90 chs.

N.0 01'W.,bet.secs.11 and 12.

Over nearly level valley;through dense undergrowth.

14.50 Wash,30 lks.wide,6 ft.deep,course N.60°E.

50.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 11 | S 12
1913

Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

58.00 Wash,100 lks.wide,3 ft.deep,course SE.

67.50 Wash,200 lks.wide,10 ft.deep,course SE.

Leave valley,and asc.bears NW and SE.

Chains	
78.25	Top of spur,250 ft.above valley,bears NW and SE.
	Desc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.1,2,11,and 12,mkd.on brass cap

T 1 N R 6 W
S 2 | S 1
S 11 | S 12
1913

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

Land,mountainous and nearly level.

Soil,sandy and gravelly;3rd rate.

No timber.

Undergrowth,sage brush and greasewood.

Mountainous land,or land covered with dense undergrowth.

80.00 chs.

From this cor.the S.end of prominent butte in middle of Carrington Island bears N.16°45'E.

Extreme north end of same island bears N.10°19'E.

Extreme south end bears N.21°50'E.(this bearing is not as definate as the other two because the south end of the island is so low that it is impossible to determine it.)

Land,mountainous and nearly level.

Soil,sandy and gravelly;1st and 2nd rate.

No timber.

Undergrowth,sage brush.

Good grass.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

June 12,1913:At this cor.I set off 23°10'N.,on the decl. arc;and at 12 h noon observe the sun on the meridian, the resulting lat.is 40°50'N.,which is the proper lat.nearly.

Sub.T.1 N.,R.6 W.-Continued.

Chains	
	Mast,on a true line bet.secs.1 and 12.
	Over mountainous land;through dense undergrowth.
	Desc.
17.90	West shore of Great Salt Lake
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.1 and 12.
	mkd.on brass cap
	T 1 N R 6 W S 1 S 12 M C 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous.
	Soil,sandy and gravelly with some rock;3rd rate.
	No timber.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	17.90 chs.
	N.0°01'W.,bet.secs.1 and 2.
	Over mountainous land;through dense undergrowth.
	Desc.abruptly.
22.00	Broad swale,250 ft.below cor.,course E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,18 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 2 | S 1 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
49.70	Top of spur,270 ft.above swale,bears E.and W.
	Desc.
69.40	West shore of Great Salt Lake.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.1 and 2,mkd.on brass cap

Chains

T 1 N R 6 W

S 2 | S 1
M C

1913

And raise a mound of stone, 2 ft.base, 1½ ft.high, S.of cor.

Land, mountainous.

Soil, gravelly and rocky; 3rd and 4th rate.

Subsoil, gravel and rocky.

No timber.

Undergrowth, sage

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth,

69.40 chs.

June 12, 1913.

John R Stewart

U.S. Surveyor.

Survey commenced June 10, 1913; and executed with a Keuffel & Esser light mountain transit, No.20037, 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 and declination arcs.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved by G.D. Kirkpatrick, Assistant Supervisor of Surveys.

Note: For test of instrument see notes of Sub, T.1 S., R. 6 W.

June 12, 1913: At 8 h 0 m a.m., l.m.t., I set off 40°48'N., on the lat.arc; 23°10'N., on the decl.arc; and determine a meridian with the solar at the cor.of secs.22, 23, 26, and 27.

a

Thence I run

Sub.T.1 N.R.6 W.-Continued.

Chains	
	N.0°02'W.,bet.secs.22 and 23.
	Over mountainous land;through scattering timber and dense undergrowth.
	Asc.abruptly.
3.00	Top of main ridge,150 ft.above cor.,bears N.20°E.and S.20°W.
	Enter heavy timber,bears same.
	Desc.ab .along W.slope of ridge.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 22 | S 23 1913
	from which
	A cedar,5 ins.dia.,bears S.67°E.,55 lks. dist. mkd.¼ S 23 B T.
	A cedar,8 ins.dia.,bears S.50°W.,27 lks. dist..mkd.¼ S 22 B T.
53.50	Bottom of hollow,100 ft.below ¼.sec.cor.and 400 ft. below ridge,course S.W.
	Asc.
55.25	Top of spur,75 ft.above hollow,bears NW and SE.
	Desc.
57.20	Bottom of same hollow,50 ft.below spur,course SE.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,20 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.14,15,22,and 23,mkd.on brass cap
	T 1 N R 6 W S 15 | S 14 S 22 | S 23 1913
	From which
	A cedar,10 ins.dia.,bears N.36°16'E.,38 lks. lks.dist..mkd.T 1 N R 6 W S 14 B T.
	A cedar,8 ins.dia.,bears S.75°E.,21 lks. dist..mkd.T 1 N R 6 W S 23 B T
	A cedar,6 ins.dia.,bears S.73°W.,77 lks. dist.;mkd.T 1 N R 6 W S 22 B T.
	A cedar,5 ins.dia.,bears N.48°W.,42 lks.

Chains	
	dist..mkd.T 1 N R 6 W S 15 B T.
	Land,mountainous.
	Soil,mountain loam 1 ft.deep,mixed with some rock;2nd rate.
	Timber,cedar and pinon pine,
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.
	June,12,1913:At this cor.I set off 23°10'N.,on the decl. arc;and at approximate noon I observe the sun on the meridian,the resulting lat.is 40°49'N.,which is the proper lat.nearly.
	East,on a random line bet.secs.14.and 23.
40.00	Set temp.½ sec.cor.
80.10	Intersect N.and S.line,19 lks.S.of the cor.of secs.13, 14,23,and 24.
	Thence I run
	S.89°52'W.,on a true line bet.secs.14 and 23.
	Over rolling valley;through dense undergrowth.
	Asc.
10.00	Leave valley,bears N.and S.
	Asc.
40.05	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ½ sec.cor..mkd.on brass cap
	½ S 14 / S 23 / 1913
	and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
56.00	Top of spur,150 ft.above valley,bears N.20°E.and S.20°W.
	Enter heavy timber,bears N.and S.
	Desc.
61.50	Ravine 100 ft.deep,course N.20°E.
	Ascent abruptly over a series of quartzite ledges from 10 ft.to 100 ft.high,.

Chains	
76.00	Tpp of main ridge,600 ft.above ravine,bears N.20°W.and S.20°E.
	Desc.
80.10	The cor.of secs.14,15,22,and 23.
	Land,mountainous and valley.
	Soil,gravelly and rocky;3rd rate.
	Timber,cedar and pinon pine.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land,or land covered with dense undergrowth,80.10 chs.

June 12,1913.

June 13,1913:At 8 h 0 m a.m.,l.m.t.,I set off 40°49'N., on the lat.arc;23°13'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.14,15,22,and 23.

Thence I run

N.0°02'W.,bet.secs.14 and 15.

Over mountainous land;through heavy timber and dense undergrowth.

	Asc.
12.50	Top of main ridge,100 ft.above cor.,bears N.30 °W.and S. 30°E;
	Desc.abruptly over a series of ledges and rocks.
20.80	Ravine,325 ft.deep,course N.80°E.
	Asc.
27.70	Top of spur,175 ft.above ravine ,bears E.and W.
	Desc.
33.80	Bottom of hollow,200 ft.below spur,course E.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone,

Chains

for ¼ sec.cor..mkd.on brass cap

¼ S 15 | S 14
1913

from which

A cedar,6 ins.dia.,bears S.77°E.,66 lks.
dist..mkd.¼ S 14 B T.

A cedar,5 ins.dia.,bears S.72°W.,38 lks.
dist..mkd.¼ S 15 B T.

40.25 Top of spur,225 ft.above hollow,bears E.and W.

Desc.

44.60 Ravine ,150 ft.below ridge,course SE.

Asc.

55.85 Foot of sloping limestone ledge,50 ft.high,bears E.and W.

56.20 Top of ridge,400 ft.above ravine,bears E.and W.

Desc.

77.20 Bottom of hollow,400 ft.below ridge,course SE.

Asc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.10 11,14,and15,mkd.on brass cap

T 1 N R 6 W
S 10 | S 11
S 15 | S 14
1913

From which

A cedar,6 ins.dia.,bears N.77°E.,98 lks.
dist..mkd.T 1 N R 6 W S 11 B T.

A cedar,6 ins.dia.,bears S.50°E.,133 lks.
dist..mkd.T 1 N R 6 W S 14 B T.

A cedar,5 ins.dia.,bears S.70°W.,111 lks.
dist..mkd.T 1 N R 6 W S 15 B T.

A cedar,8 ins.dia.,bears N.35°W.,81 lks.
dist..mkd.T 1 N R 6 W S 10 B T.

Land,rough and ledgy.

Soil,gravelly and rocky;3rd rate.

Subsoil,gravel and rock.

Timber,cedar.

Undergrowth,sage brush.

Sub.T.1 N.,R.6 W.-Continued.

Chains	
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth, 80.00 chs.
	June 13, 1913: At this cor. I set off 23°14'N., on the decl. arc; and at 0 h 1 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat. is 40°50'N., which is the proper lat. nearly.
	N.89°52'E., on a random line bet. secs. 11 and 14.
40.00	Set temp; ¼ sec. cor.
80.14	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 11, 12, 13, and 14.
	Thence I run
	S.89°57'W., on a true line bet. secs. 11 and 14.
	Over mountainous land; through dense undergrowth.
	Asc. gradually.
16.70	Wash, 200 lks. wide, 20 ft. deep, course NE.
20.00	Begin ascent of mountain, bears NE0°W. and S.20°E.
40.07	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground, on solid rock, and surrounded by mound of stone, for ¼ sec. cor., mkd. on brass cap
	¼ S 11 / S 14 / 1913
	and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
44.50	Enter heavy timber, bears N. and S.
50.00	Top of spur, 100 ft. above ¼ sec. cor., bears NE. and SW.
	Desc.
55.00	Leave timber, bears N. and S.
58.00	Bottom of hollow, 75 ft. below spur, course N.60°E.
	Asc.
71.50	Enter heavy timber, bears N.30°E. and S.30°W.
80.14	The cor. of secs. 10, 11, 14, and 15.
	Land, mountainous and rolling.
	Soil, mountain loam about 1 ft. deep, with gravel and rock; 2nd rate.

Chains	
	rock.
	Timber, cedar.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous or heavily timbered land or land covered with dense undergrowth, 80.14 chs.
	June 13, 1913.
	June 14, 1913: At 8 h 0 m a.m., l.m.t., I set off 40°50'N., on the lat. arc; 23°17'N., on the decl. arc; and determine a meridian with the solar, at the cor. of secs. 10, 11, 14, and 15.
	Thence I run
	N.0°02'W., bet. secs. 10 and 11.
	Over mountainous land; through heavy timber and dense undergrowth, Asc. abruptly.
1.75	Top of spur, 30 ft. above cor., projects East.
	Asc.
12.50	Bottom of hollow, 75 ft. below spur, course SE.
	Asc.
18.60	Top of spur, 150 ft. above hollow, bears NE and SW.
	Leave heavy and enter scattering timber, bears NE and SW.
	Desc.
27.00	Bottom of hollow, 375 ft. below ridge, course NE.
	Asc.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground, on solid rock, and surrounded by mound of stone, for ¼ sec. cor., mkd. on brass cap
	¼ S 10 | S 11 1913
	and raise a mound of stone, 2 ft. base, 1½ ft. high, ½N. of cor.
49.50	Top of spur, 175 ft. above hollow, bears E. and W.
	Desc.
70.90	Bottom of hollow, 60 ft. below spur, course SE.
	Asc.

Chains	
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.2,3,10,and 11.mkd.on brass cap

T 1 N R 6 W
S 3 | S 2
S 10 | S 11
1913

From which

A cedar,4 ins.dia.,bears N.20°E.,80 lks. dist..mkd.T 1 N R 6 W S 2 B T.

A cedar,6 ins.dia.,bears S.80°E.,83 lks. dist..mkd.T 1 NR 6 W S 11

A cedar,8 ins.dia.,bears S.42°W.,140 lks. dist..mkd.T 1 N R 6 W S 10 B T.

A juniper,5 ins.dia.,bears N.65°30'W.,74 lks. dist..mkd.T 1 N R 6 W S 3 B T.

Land,mountainous ,limestone and quartzite formation.

Soil,mountain loam about 6 ins.deep,mixed with rock and on subsoil of rock and gravel.

Timber,cedar.

Undergrowth,sage ,

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

N.89°57'E.,on a random line bet.secs.2 and 11.

40.00 Set temp.½ sec.cor.

80.18 Intersect N.and S.line,7 lks.S.of the cor.of secs.1,2, 11,and 12.

Thence I run

S.89°54'W.,on a true line bet.secs.2 and 11.

Over mountainous land;through dense undergrowth.

Asc.

2.75 Top of spur,100 ft.above cor.,bears N.60°W.and S.60°E.

Desc.

3.50 Leave ledges,bears NW and SW.

Chains	
9.70	Bottom of hollow,100 ft.below spur,course SE.
	Asc.
21.50	Top of spur,50 ft.above hollow,bears NE and SW.
	Desc.
23.00	Bottom of hollow,50 ft,below spur,course N.80°E.
	Asc. through heavy timber.
40.09	Set an iron post,3 ft.long,1 in.in dia.,16 ins.in the ground,on solid rock,and surrounded by mound,of stone,for ¼ sec.cor..mkd.on brass cap
	¼ S 2 / S 11 / 1913
	from which
	A cedar,6 ins.dia.,bears N.15°E.,75 lks. dist,.mkd.¼ S 2 B T.
	A cedar,5 ins.dia.,bears S.45°W.,121 lks. dist..mkd.¼ S 11 B T.
41.25	Top of spur,275 ft.above hollow,bears N.and S.
	Desc.
44.75	Bottom of hollow,75 ft.below spur,course SE.
	Asc.
55.65	Top of ridge,600 ft.above hollow,bears NW and SE.
	Leave heavy and enter scattering timber,bears same.
	Desc.
76.20	Bottom of hollow,275 ft.below ridge,course S.
	Asc.
80.18	The cor.of secs.2,3 ,10,and 11.
	Land,mountainous ,rough.
	Soil,gravelly and rocky;3rd rate.
	Timber,cedar .
	Undergrowth,sage .
	Good grass for grazing.
	Mountainous or heavily timbered land;or land covered with dense undergrowth,80 18 chs.
	June 14,1913:At this cor.I set off 23°17'N.,on the decl. arc;and at 12h 0m M.T.,l.m.t.,I observe the sun on the meridian ,the resulting lat.is 40°50'N.,which is the

Sub.T.1 N.R.6 W.- Continued.

Chains.	
	proper lat.nearly.
	N.0° 02'W.on a random line bet.secs.2 and 3
40.00	Set temp.$\frac{1}{4}$ sec.cor.
80.00	Intersect temporary cor.of secs.2,3,34, and 35, which I now make permanent at the same point as follows:
	Set an iron post 3 ft.long, 3 ins.in dia., 24 ins.in the ground, for cor.of secs.2,3,34, and 35, marked on brass cap
	T 2 N | R 6 W S 34 | S 35 S 3 | S 2 T 1 N R 6 W 1913
	and raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high W.of cor. Thence I run
	S.0° 02'E.on a true line bet.secs.2 and 3,
	Ascend, over mountainous land, through sagebrush undergrowth.
5.50	Top of spur, 150 ft.above hollow, bears N.60° E. and S. 60° W. Descend.
11.50	Bottom of hollow, course N.60° E.
20.00	Enter ledges, bearing NE. and SW.
	Ascend over ledges.
33.80	Top of ledgy spur, 200 ft.high bears N.60° E. and S.60° W. Descend abruptly over ledges.
39.00	Ravine, 300 ft.deep, course N.60° E.
40.00	Point for $\frac{1}{4}$ sec.cor.falls in ledges, where it will be impossible to perpetuate corner. Cor.not set.
	Ascend abruptly over a series of ledges of limestone from 10 to 50 ft.high.
41.80	Top of ridge, 300 ft.above ravine, bears E.and W.
	At this point, which is the nearest practicable point,
	Set an iron post 3 ft.long, 1 in.in dia.,18 ins.in the ground, on solid rock, and surrounded by mound of stone for witness cor.to $\frac{1}{4}$ sec.cor., mkd.on brass cap
	W | C $\frac{1}{4}$S3 | S2 1913

Sub.T.1 N.R.6 W.- Continued.

Chains.	
	and raise a mound of stone 2 ft.base, 1½ ft.high W. of cor.
	Descend abruptly over ledges.
45.60	Bottom of hollow, 400 ft.below ridge, course E.
	Ascend abruptly, through heavy timber, bearing E.and W.
65.40	Top of ridge, 600 ft.above hollow, course SE.
	Descend, abruptly.
71.20	Bottom of hollow, 300 ft.below top of ridge,course SE.
	Ascend.
72.90	Top of spur,50 ft.above hollow, bears E.and W.
	Descend.
80.00	The cor.of secs.2,3,10, and 11, 100 ft.below top of spur.
	Land, mountainous, very steep and ledgy.
	Soil, mostly rock, a small amount of loam.
	Timber, cedar and pinon pine.
	Undergrowth, sagebrush. Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth 80.00 chs.
	June 14, 1913.

June 10, 1913: At 7h 59m a.m.l.m.t., I set off 40° 46' N.on the lat.arc; 23°01'N.on the decl.arc; and determine a meridian with the solar at the Base Line cor.of secs.33 and 34 on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°02'W.bet.secs.33 and 34,

Over level land; through dense undergrowth.

.14	Wire fence bears N.69°30'E. and S.69° 30'W.
2.80	Road, bears N.60° E. and S.60° W.
20.00	Road, bears N.20° W. and S.20° E.
40.00	Set an iron post, 3 ft.long, 1 in.in dia., 26 ins.in the ground, for ¼ sec.cor., mkd.on brass cap

¼ S 33 | S 34
1913

dig pits 18 x 18 x 12 ins.N.and S.of post, 3 ft.dist.and

Chains

raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

75.00 End of spur,from N.30°E.

Asc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on cemented gravel,and surrounded by mound of stone, for cor.of secs.27,28,33,and 34,mkd.on brass cap

T 1 N R 6 W

S 28	S 27
S 33	S 34

1913

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

Land,gently rolling.

Soil,sandy ,clay ,and gravelly in streaks;2nd rate.

No timber.

Undergrowth,sage and shadscales.

Some grass.

Land covered with dense undergrowth,80.00 chs.

June 10,1913:At this cor.I set off 23°02'N.,on the decl.arc;andat 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°47'N.,which is the proper lat.nearly.

East,on a random line bet.secs.27 and 34.

40.00 Set temp.¼ sec.cor.

80.00 Intersect N.and S.line,at the cor.of secs.26,27,34,and 35.

Thence I run

West,on a true line bet.secs.27 and 34.

Over gently rolling land;through dense undergrowth.

2.50 Begin asc.bears N.20°E.and S.20°W.

12.60 Top of spur,200 ft.above cor.,bears S.10°E.and N.10°W.

Desc.

18.50 Bottom of hollow,200 ft.below spur,course S.

Asc.

40.00 Set an iron post,3 ft.long,1 in.in dia., 12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor.,mkd.on brass cap

Chains	
	¼ S 27 S 34 1913
	and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
42.10	Top of spur,50 ft.above ¼ sec.cor.,bears N.and S.
	Desc.
56.20	Bottom of gulch,400 ft.below spur,course S.20°W.
	Asc.
72.70	Top of spur,200 ft.above gulch,bears N.70°E.and S.70°W.
	Desc.
80.00	the cor.of secs.27,28,33,and 34.
	Land,mountainous and rolling .
	Soil,rocky and gravelly;3rd rate.
	No timber.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.
	June 10,1913.

June 11,1913:At 7 h 59 m a.m.,l.m.t.,I set off 40°47'N., on the lat.arc;23°06'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.27,28,33,and 34.

Thence I run

N.0°02'W.,bet.secs.27 and 28.

Over mountainous land;through dense undergrowth.

	Desc.
8.70	Wood road,bears N.20°E.and S.20°W.
9.90	Bottom of hollow,course S.20°W.
	Asc.
27.50	Begin asc.spur,bears N.20°E.and S.20°W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,6 ins.solid gravel,and surrounded by mound of stone,

Chains

for ¼ sec.cor.,mkd.on brass cap

¼ S 28 | S 27
1913

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

43.00 Head of small gulch,course E.

Asc.

53.40 Top of spur,100 ft.above gulch,bears N.20°E.and S.20°W.

Desc.

76.00 Head of gulch,course S.25°W.

Asc.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.21,22,27,and 28,mkd.on brass cap

T 1 N R 6 W
S 21 | S 22
S 28 | S 27
1913

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

Land,mountainous and rolling.

Soil,gravelly and rocky;about 1 ft.deep,2nd and 3rd rate.

No timber.

Undergrowth, sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

June 11,1913:At this cor.I set off 23°06'N.,on the decl. arc;and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°48'N.,which is the proper lat.nearly.

East,on a random line bet.secs.22 and 27.

40.00 Set temp.¼ sec.cor.

80.10 Intersect N.and S.line,18 lks.W.of the cor.of secs. 22,23,26,and 27.

Thence I run

N.89°52'W.,on a true line bet.secs.22 and 27.

Sub.T.1 N.,R.5 W.-Continued.

Chains

Over mountainous land;through heavy timber and dense undergrowth.

Asc.

2.50 Top of main ridge,100 ft.above cor.,bears N.20°E.and S.20°W.

Desc.

35.50 Wood road,bears N.and S.

36.20 Bottom of canon,600 ft.below ridge,course S.

Asc.

40.05 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap

$$\frac{\frac{1}{4}.S\ 22}{\begin{matrix}S\ 27\\1913\end{matrix}}$$

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

42.70 Bottom of hollow 100 ft.above canon,course N.15°E.

Asc.

54.80 Spur,400 ft.above hollow,bears N.60°W.and S.60°E.

Desc.

59.00 Head of small gulch,50 ft.below spur,course SE.

Asc.

59.70 Top of ridge,30 ft.above gulch,bears N.10°E.and S.10°W.

Desc. Leave timber,bears N.10°E.and S.10°W.

80.10 300 ft.below ridge,.

The cor.of secs.21,22,27,and 28.

Land,mountainous.

Soil,gravelly and rocky;3rd and 4th rate.

Timber,cedar .

Undergrowth,sage brush .

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.10 chs.

June 11,1913.

Robert D. Dalton

U.S.Transitman.

Sub.T.1 N.,R.6 W.-Continued.

Chains	
	June 16,1913:At 8 h 0 m a.m.,l.m.t.,I set off 40°48'N.,on the the lat.arc;23°22'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
	N.0°02'W.,bet.secs.21 and 22.
	Over mountainous land;through dense undergrowth.
	Asc.
2.30	Top of ridge,50 ft.above cor.,bears N.60°W.and S.60°E.
	Desc.
24.30	Bottom of hollow,300 ft.below ridge,course W.
	Asc.
36.80	Rocky quartzite spur,300 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap ¼ S.21 | S 22 1913 And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
59.65	Bottom of hollow,240 ft.below spur,course W.
	Asc.
63.60	Top of spur,200 ft.above hollow,bears E.and W.
	Desc.
71.65	Bottom of hollow,100 ft.below spur,course W.
	Asc.
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,mkd.on brass cap T 1 N R 6 W S 16 | S 15 S 21 | S 22 1913 and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous.
	Soil,rocky;3rd rate.
	Timber,a few scattering cedars.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth.
	80.00 chs.

Sub.T.1 N.R.6 W.-Continued.

Chains

June 16,1913:At this cor.I set off 23°22'N.,on the decl. arc;and at 11 h 59 m a.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°49'N.,which is the proper lat.nearly.

S.89°52'E.,on a random line bet.secs.15 and 22.

40.00 Set temp.¼ sec cor.

80.10 Intersect N.and S.line,5 lks.N.of the cor.of secs. 14,15,22,and 23.

Thence I run

N.89°50'W.,on a true line bet.secs.15 and 22.

Over mountainous land;through heavy timber and dense undergrowth.

Desc.

5.00 Bottom of hollow,150 ft.below cor.,course S.

Asc.

12.80 Top of ridge,200 ft.above hollow,bears NW and SE.

Desc.

18.60 Head of hollow,40 ft.below ridge,course S.30°E.

Asc.

40.05 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor. mkd.on brass cap

¼ S 15
S 22
1913

from which

A cedar,12 ins .dia.,bears N.82°15'E.,78 lks. dist..mkd.¼ S 15 B T.

A cedar,8 ins.dia.,bears S.28°30'E.,51 lks. dist..mkd.¼ S 22 B T.

In head of hollow,250 ft.below ridge,course N.40°W.

Asc.

47.60 Top of very rugged quartzite spur,150 ft.above hollow, bears N.30°W.and S.30°E.

Desc.

Chains

58.60 Rocky gulch,500 ft.below spur,course N.50°W.

Leave timber,bears N.50°W.and S.50°E.

Asc.

67.20 Foot of ledge,50 ft.high,bears N.50°W.and S.50°E.

Desc.

80.10 The cor.of secs.15,16,21,and 22.

Land,rough and ledgy mountain.

Soil,rocky;4th rate.

Timber,cedar.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.10 chs.

June 16,1913.

June 17,1913:At 8 h 1 m a.m.,l.m.t., set off 40°49'N., on the lat.arc;23°24'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°02'W.,bet.secs.15 and 16.

Over mountainous land;through dense undergrowth.

Desc.

12.30 Bottom of hollow,200 ft.below cor.,course W.

Asc.

17.20 Top of spur,75 ft.above hollow,bears E.and W.

Desc.

24.10 Wash,30 lks.wide,5 ft.deep,course W.

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

¼ S 16 | S 15
1913

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

42.50 Top of spur,50 ft.above wash,bears E.and W.

Chains

Desc.

51.75 Bottom of hollow,75 ft.below ridge,course W.

Asc.

67.75 Top of ridge,100 ft.above hollow,bears E.and W.

Desc.

80.00 Top of rocky spur,bears N.15°W.and S.15°E.

Set an iron post,3 ft.long,2 ins.in dia.,20 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.9,10,15,and 16,mkd.on brass cap

T 1 N R 6 W
S 9 | S 10
S 16 | S 15
1913

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

Land,mountainous.

Soil,gravelly and rocky;3rd and 4th rate.

No timber.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

June 17,1913:At this cor.I set off 23°24'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°50'N.,which is the proper lat.nearly.

S.89°50'E.,on a random line bet.secs.10 and 15.

40.00 Set temp.¼ sec.cor.

80.06 Intersect N.and S.line,7 lks.N.of the cor.of secs.10,11, 14.and 15.

Thence I run

N.89°47'W.,on a true line bet.secs.10 and 15.

Over mountainous land;through scattering timber and dense undergrowth.

Asc.

Sub.T.1 N.,R.6 W.-Continued.

Chains	
20.65	Top of ridge,250 ft.above cor.,bears N.and S. Main ridge.
	Desc.
40.03	Set an iron post,3 ft.long,1 in.in dia.,26 ins in the ground,for ¼ sec.cor..mkd,on brass cap
	½ S 10 / S 15 / 1913
	and raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
60.00	Bottom of hollow,900 ft.below ridge, course N.80°W.
	Asc.
80.06	The cor.of secs.9,10,15,and 16.
	Land,mountainous .
	Soil,gravelly and rocky;3rd and 4th rate.
	Timber,cedar .
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.06 chs.
	June 17,1913.

June 18,1913:At 8 h 1 m a.m.,l.m.t.,I set off 40°50'N.,on the lat.arc;23°25'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.9,10,15,and 16.

Thence I run

N.0°02'W.,bet.secs.9 and 10.

Over mountainous land;through dense undergrowth.

	Desc.
9.80	Bottom of hollow,80 ft.below cor.,course W.
	Asc.
29.20	Top of ridge,40 ft.above hollow,bears E.and W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	½ S 9 | S 10 / 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Chains	
45.00	Bottom of hollow,400 ft.below ridge,course N.10°W.
	Asc.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.3,4,9,and 10,mkd.on brass cap

T 1 N R 6 W
S 4 | S 3
S 9 | S 10
1913

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

Land,mountainous .

Soil,gravelly and rocky;2nd and 3rd rate.

No timber.

Undergrowth,sagebrush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

S.89°47'E.,on a random line bet.secs.3 and 10.

40.00	Set temp.½ sec.cor.
79.94	Intersect N.and S.line,9 lks.N.of the cor.of secs.2,3,10 and 11.
	Thence I run
	N.89°43'W.,on a true line bet.secs.3 and 10.
	Over mountainous land;through heavy timber and dense undergrowth.
	Asc.
12.30	Head of gulch,50 ft.above sec.cor.,course S.30°E.
	Asc.abruptly.
19.85	Top of main ridge,400 ft.above gulch,bears N.and S.
	Desc.abruptly.
39.97	Set an iron post,3 ft.long,1 in.in dia.,14 ins.in the ground,on solid rock,and surrounded by mound of stone, for ½ sec.cor.,mkd.on brass cap

½ S 3
S 10
1913

Sub. T.1 N.R.6 W.- Continued.

Chains.	
	from which
	A cedar, 8 ins.dia., bears S.70° E. 22 lks.dist. mkd.$\frac{1}{4}$ S 10 B T
	A cedar, 24ins.dia., bears N.75° E. 39 lks.dist. mkd.$\frac{1}{4}$ S 3 B T
49.90	Bottom of canon, 1300 ft.below ridge, course SW.
	Asc.
60.10	Top of ridge, 400 ft.above canon, bears N.and S.
	Desc. Leave timber, bears N.and S.
79.94	The cor.of secs.3,4,9, and 10.
	Land, mountainous.
	Soil, rocky; 4th rate.
	Timber, cedar.
	Undergrowth, sagebrush.
	Good grass for grazing.
	Mountainous or heavily timbered land, or land covered with dense undergrowth 79.94 chs.
	June 18, 1913: At this cor.I set off 23° 25'N.on the decl.arc; and at 0h 1m p.m.l.m.t., observe the sun on the meridian; the resulting lat is 40° 50'N.,which is the proper lat.nearly.
	N.0°02'W.on a random line bet.secs.3 and 4,
40.00	Set temp.$\frac{1}{4}$ sec.cor.
79.80	Intersect N.bdy.of Tp.9 lks.W.of the temporary cor.of secs.3,4,33, and 34, which was afterward made permanent at the same point, and described in the notes of the N.bdy.of this Tp. Thence I run
	S.0° 02'W.on a true line bet.secs.3 and 4,
	Over mountainous land; through heavy timber and dense undergrowth. Ascend.
.80	Top of ridge, 20 ft.above cor., bears E. and W. Desc.
20.80	Bottom of hollow, 600 ft.below ridge, course W.
28.30	Top of spur, 300 ft.above hollow, bears E.and W.

Chains.

Descend.

39.80 Set an iron post 3 ft.long, 1 in.in dia., 16 ins.in the ground, on solid rock, and surrounded by mound of stone, for ¼ sec.cor., mkd.on brass cap

¼ S 4 | S 3
1913

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

45.30 Bottom of hollow, 300 ft.below spur, course W.

Ascend.

63.05 Foot of ledge, 30 ft.high, bears N.80° E. and S.80° W.

Leave cedars, bearing E.and W.

64.80 Top of round hill.

67.30 Top of ledge, 60 ft.high, bears N.30° W. and S.30° E.

Desc.

79.80 The cor.of secs.3,4,9, and 10.

Land, mountainous.

Soil, gravelly; 3rd rate.

Subsoil, gravel.

Timber, cedar.

Undergrowth, sagebrush.

Good grass for grazing.

Mountainous or heavily timbered land, or land covered with dense undergrowth 79.80 chs.

June 18, 1913.

John R Stewart

U.S.Surveyor.

June 16, 1913: At 8h 0 m a.m.l.m.t., I set off 40° 46' N.on the lat.arc; 23° 22'N.on the decl.arc; and determine a meridian with the solar at the Base Line cor. of secs.32 and 33, heretofore described.

Thence I run

N.0° 03'W.bet.secs.32 and 33,

Over barren flat.

Chains

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

¼ S 32 | S 33
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

57.25 Touch greasewood point from east.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.28,29,3 2,and 33.mkd.on brass cap

T 1 N R 6 W
S 29 | S 28
S 32 | S 33
1913

Dig pits,18x18x12 ins.in each sec.5½ ft.dist.;and raise a mound of earth 4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay;3rd rate.

No vegetation on account of alkali.

East,on a random line bet.secs.28 and 33.

40.00 Set temp.½ sec.cor.

80.02 Intersect N.and S.line,3 lks.N.of the cor.of secs.27.28, 33,and 34.

Thence I run

N.89°59'W.,on a true line bet.secs.28 and 33.

Over nearly level land;through dense undergrowth.

1.50 Foot of spur,bears N.and S.

4.70 Wood road,bears N.and S.

30.10 Road,bears N.30°W.and S.30°E.

40.01 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 28
S 33
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

44.24 Leave undergrowth,bearsN.and S.

Chains

80.02 The cor.of secs.28.29,32,and 33.

Land,nearly level.

Soil,on E.44.25 chs. is sandy loam;2nd rate.on W.35.77 chs. the sail is heavy clay and sand;4th rate.

No timber.

Undergrowth,greasewood and shadscales on E.44.25 chs. and barren on balance.

Land covered with dense undergrowth,44.25 chs.

June 16,1913:At this cor.I set off 23°22'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°47'N.,which is the proper lat.nearly.

N.0°03'W.,bet.secs.28 and 29.

Over level land.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 29 | S 28
1913

Dig pits,18x18 x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

50.25 Old road,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.20,21,28,and 29,mkd.on brass cap

T 1 N R 6 W
S 20 | S 21
S 29 | S 28.
1913

dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy ;3rd rate.

Subsoil,clay.

A few scattering greasewood.

June 16,1913.

Chains	
	June 17,1913:At 8 h 1 m a.m.,l.m.t.,I set of 40°48'N.,on the lat.arc;23°24'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°59'E.,on a random line bet.secs.21 and 28.
40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,3 lks.N.of the cor.of secs.21,22, 27,and 28.
	Thence I run
	N.89°58'W.,on a true line bet.secs.21 and 28.
	Over mountainous land;through dense undergrowth.
	Asc.
13.00	Tpp of rocky quartzite spur,bears S.60°W.and N.60°E.
	Desc.
38.00	Foot of spur,bears NE and SW.
	Enter sage brush flat.
40.03	Set an iron post,3 ft.long,1 in in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap
	¼ S 21 / S 28 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
51.55	Wagon road,bears N.and S.
61.50	Leave sage and enter greasewood,bears N.and S.
80.06	The cor.of secs.20,21,28,and 29.
	Land,mountainous 38.00 chs.the balance level.
	Soil,rocky;on E.38.00 chs.and balance sandy;3rd rate.
	No timber.
	Undergrowth,sage brush and greasewood.
	Mountainous land, or land covered with dense undergrowth, 80.06 chs.
	June 17,1913:At this cor.I set Off 23°24'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°48'N.,which is the proper lat.nearly.

Chains

N.0°03'W.,bet.secs.20 and 21.

40 Over level land;through dense undergrowth.

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

¼ S 20 | S 21
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

68.50 Enter greasewood point from east.

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,mkd.on brass cap

T 1 N R 6 W
S 17 | S 16
S 20 | S 21
1913

Dig pits,18x18x1x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy ;3rd rate.Subsoil,clay .

Dense greasewood 11.50 chs.

June 17,1913.

June 18,19,13,At 8 h 1 m a.m.,l.m.t.,I set off 40°49'N., on the lat.arc;23°25'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

S.89°58'E.,on a random line bet.secs.16 and 21.

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.and S.line,7 lks.N.of the cor.of secs.15,16, 21,and 22.

Thence I run

N.89°55'W.;on a true line bet.secs.16 and 21.

Over mountainous land;through dense undergrowth.

Desc.

Chains	
32.00	Foot of slope,400 ft.below sec.cor.,bears N.and S.
	Enter flat.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 16 / S 21 / 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise amound of earth,3½ ft.base,1½ ft.high,N.of cor.
46.00	Road,bears N.and S.
60.50	Leave sage and enter greasewood ,bears N.and S.
80.02	The cor.of secs.16,17,20,and 21.
	Land,E.32.00 chs.mountainous with gravelly soil about 1 ft. deep,and rocky;3rd rate.
	W.48.02 chs.is nearly level land covered with dense greasewood .Sandy loam soil,2 ft.deep;2nd rate.
	No timber.
	Good grass on E.32.00 chs.
	Mountainous land,or land covered with dense undergrowth, 80.02 chs.
	June 18,1913;At this cor.I set off 23°25'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°49'N.,which is the proper lat.nearly.
	N.0°03'W.,bet.secs.16 and 17.
	Over level land;through tall greasewood.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 17 | S 16 / 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise amound of earth,3½ ft.base,1½ ft.high,W.of cor.
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,mkd.on brass cap
	T 1 N R.6 W. / S 8 | S 9 / S 17 | S 16 / 1913

Sub.T.1 N.,R.6 W.-Continued.

Chains	
	dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4½ ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,loose sand and low sand dunes.
	Undergrowth,tall greasewood.
	No timber.
	Some grass.
	Land covered with dense undergrowth,80.00 chs.
	June 18,1913.
	June 20,1913:At 8 h 1 m a.m.,l.m.t.,I set off 40°50'N., on the lat.arc;23°27'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.8,9,16,and 17.
	Thence I run
	S.89°55'E.,on a random line bet.secs.9 and 16.
40.00	Set temp.¼ sec.cor
79.96	Intersect N.and S.line,5 lks.N.of the cor.of secs.9,10, 15,and 16.
	Thence I run
	N.89°53'W.,on a true line bet.secs.9 and 16.
	Over mountainous land;through dense undergrowth.
	Desc.
32.00	Foot of descent,400 ft.below cor.,bears N.and S.
	Thence over level land.
39.98	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap
	¼ S 9 / S 16 / 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
53.00	Leave sage and enter greasewood and shadscales,bears N.and S.
53.35	Road,bears N.and S.
55.40	Low sandy ridge, bears N.and S.
79.96	The cor.of secs.8,9,16,and 17.

Sub.T.1 N.R.6 W.- Continued.

Chains. Land mountainous on E.32.00 chs.; balance level.

E.32.00 chs. soil is gravelly and rocky; 3d rate.

No timber.

W.47.96 chs. the soil is sandy and undergrowth is greasewood and shadscales.

Good grass on E.32.00 chs.

Mountainous land or land covered with dense undergrowth 79.96 chs.

N.0° 03'W. bet. secs. 8 and 9,

Over level land; through dense undergrowth.

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

¼ S 8 | S 9
1913

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. of cor.

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, mkd. on brass cap

T 1 N R 6 W

S 5	S 4
S 8	S 9

1913

dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land, level.

Soil, loose sand; 4th rate.

No timber.

Undergrowth, grasewood.

[illegible] cor.

Land, covered with dense undergrowth 80.00 chs.

June 20, 1913: At this cor. I set off 23° 27'N. on the decl. arc; and at 0h 1m p.m. l.m.t., I observe the sun on the meridian; the resulting lat. is 40° 50'N., which is the proper lat. nearly.

Chains.

S.89°53'E.on a random line bet.secs.4 and 9,

40.00 Set temp.¼ sec.cor.

80.02 Intersect N.and S.line 5 lks.S.of the cor.of secs.3,4,9 and 10.

Thence I run

N.89°55'W.on a true line bet.secs.4 and 9,

Over mountainous land; through dense undergrowth. Desc.

40.01 Set an iron post, 3 ft.long, 1 in.in dia., 18 ins.in the ground, on solid rock, and surrounded by mound of stone, for ¼ sec.cor., mkd.on brass cap

¼ S 4

S 9
1913

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

44.50 Foot of descent, 640 ft.below sec.cor., bears N.and S.

Thence over flat.

65.30 Road, bears N.and S.

80.02 The cor.of secs.4,5,8, and 9.

Land, mountainous and level.

Soil, gravelly and sandy; 3d and 2d rate.

No timber. Undergrowth, sagebrush and greasewood.

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth 80.02 chs.

N.0°03'W.on random line bet.secs.4 and 5,

40.00 Set temp.¼ sec. cor.

79.85 Intersect N.bdy.of Tp.4 lks.W.of the temporary cor.of secs.4,5,32, and 33, which was afterward made permanent at the same point,and described in notes of N.bdy. of this township. Thence I run

S.0° 01'E.on a true line bet.secs.4 and 5,

Over level land; through greasewood and sagebrush.

38.35 Road, bears N.15° W. and S.5° E.

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

Chains

ground,for ¼ sec.cor..mkd.on brass cap

¼ S 5 | S 4

1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

50.00 Enter loose sand and tall greasewood,bears N.10°W.and S.10°E.

79.85 The cor.of secs.4,5,8,and 9.

Land,level.

Soil,sandy and sandy.clay,;2nd and 3rd rate.

No timber.

Undergrowth,sage brush and greasewood.

Some grass.

Land covered with dense undergrowth,79.85 chs.

June 20,1913.

June 19,1913:At 8 h 1 m a.m.,l.m.t.,I set off 40°46'N.,on the lat.arc;23°27'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.31 and 32, on Salt Lake Base Line ,S.bdy.of Tp.,heretofore described.

Thence I run

N.0°04'W.,bet.secs.31 and 32.

Over barren flat.

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

¼ S 31 | S 32

1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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. mkd.on brass cap

Chains

T 1 N R 6 W

S 30 | S 29

S 31 | S 32

1913

dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,oolitic sand and alkali;4th rate.

No vegetation.

June 19,1913:At this cor.I set off 23°26'N.,on the decl. arc;and at 0 h 1 m p.m., l.m.t.,I observe the sun on the meridian the resulting lat.is 47°47'N.,which is the proper lat.nearly.

East,on a random line bet.secs.29 and 32.

40.00 Set temp.¼ sec.cor.

80.00 Intersect N.and S.line,2 lks.N.of the cor.of secs.28.29, 32 and 33.

Thence I run

N.89°59'W.,on a true line bet.secs.secs.29 and 32.

Over level land;through dense undergrowth.

.50 Leave undergrowth and enter barren alkali flat,bears N. and S.

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

¼ S 29

S 32

1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

43.90 Leave barren flat and enter dense greasewood,bears N.and S.

49.70 Leave greasewood and enter barren flat,bears N.and S.

80.00 The cor.of secs.29,30,31,and 32.

Land,level.

Soil,sandy contains alkali and sand;3rd and 4th rate. except on greasewood land which is 2nd rate.

Undergrowth,greasewood in patches.

No timber.

Chains

Land covered with dense undergrowth,6.30 chs.

West,on a true line bet.secs.30 and 31.

Over barren flat.

15.00 West shore of Great Salt Lake.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.30 and 31.mkd.on brass cap

T 1 N R 6 W
S 30 | S 31
M C
1913

Dig a pit,36x36x12 ins.E.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,8 ft.high,E.of cor.

Land,level.

Soil,sandy;4th rate.

No vegetation on account of salt and alkali in the soil.

N.0°04'W.,bet.secs.29 and 30.

Over level land;no vegetation.

38.00 West shore of Great Salt Lake.100 lks.from water.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.29 and 30,mkd.on brass cap.

T 1 N R 6 W
M C
S 30 | S 29
1913

dig a pit,36x36x12 ins.,S.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,S.of cor.

Land,level.

Soil,sandy ;no vegetation.

Alkali.

Chains	
	From the cor.of secs.20,21,28,and 29.
	I run
	West,on a true line bet.secs.20 and 29.
	Over level land.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 20 / S 29 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
58.15	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.20 and 29,mkd. on brass cap
	T 1 N,R 6 W / S 20 / M C S 29 1913
	Dig a pit 36x36x12 ins.8ft.E.of post,and raise a mound of earth,4 ft.base,2 ft.high,E.of cor.
	Land,level.
	Soil,sandy and clay;4th rate..
	No vegetation on account of alkali and salt in the soil,.
	June 19,1913.
	[illegible]
	June 18,1913:
	From the cor.of secs.16,17,20,and 21.I run
	West,on a true line bet.secs.17 and 20.
	Over level land;
28.00	West shore of Great Salt Lake.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.17 and 20.mkd.on

Chains

brass cap

T 1 N R 6 W

S 17

M C S 20
1913

Dig a pit,36x36x12 ins.,E.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,E.of cor.

Land,level.

Soil,sandy and clay ;4th rate.

No vegetation,on account of alkali and salt.

June 18,1913.

June 20,1913:

From the cor.of secs.8,9,16,and 17.

I run

West,on a true line bet.secs.8 and 17.

Over level land.

18.00 Shore of Great Salt Lake .2.00 chs.from water.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meandercor.of fracl.secs.8 and 17.mkd.on brass cap

T 1 N R 6 W

S 8

M C S 17
1913

Dig a pit,36x36x12 ins.,E.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,E.of cor.

land,level.

Soil,sandy and clay ;4th rate.

No vegetation on account of salt and alkali.

From the cor.of secs.4,5,8,and 9.

I ran

Chains	
	West, on a true line bet.secs.5 and 8.
	Over level land;
22.00	Shore of Great Salt Lake .
	Set an iron post, 3 ft.long, 1 in.in dia., 26 ins.in the ground, for meander cor.of fracl.secs.5 and 8, mkd.on brass cap

T 1 N R 6 W

M C S 5

S 8

1913

Dig a pit, 36x36x12 ins.E.of post, 8 ft.dist.; and raise a mound of earth, 4 ft.base, 2 ft.high, E.of cor.

Land level.

Soil, sandy and clay; 4th rate.

Alkali and salt keeps down vegetation.

June 20, 1913.

Robert D. Dalton

U.S.Transitman.

~~U.S.Surveyor~~

Meanders in T.1 N.R.6 W.

June 14, 1913: At 8 h 0 m a.m., l.m.t., I set off 40°46'N., on the lat.arc; 23°17'N., on the decl.arc; and determine a meridian with the solar at the Base Line cor.of Meander cor.fracl.sec.36, heretofore described.

Thence I run with meanders in sec.36.

N.18°W. 20.00 chs.

N.39°W., 30.00 chs.

N.82°25'W. 42.30 chs.to the meander cor.of secs.35 and 36.

Land level sandy beach.

Soil, sandy and clay ; 4th rate.

No vegetation on account of alkali and salt.

Thence with meanders in sec.35.

Level land;sandy beach.

N.32°15'W. 37.86 chs. To the meander cor.of fracl.secs. 26 and 35.About 15.00 chs.from waters edge.High water mark not well defined.

Land,level.

Soil,sandy and clay;4th rate.

No vegetation on account of alkali and salt.

Thence with meanders in sec.26.

Land level.

N.32°15'W., 9.00 chs.At 8.99 chs.Fence,bears N.32°15'E. and S.42°15'W.

N.42°E. 37.40 chs. To the meander cor.of fracl secs. 25 and 26.

Land level beach.

Soil,clay;4th rate.

No vegetation on account of alkali and salt.

June 14,1913:At this cor.I set off 23°17'N.,on the decl. arc;and at noon I observe the sun on the meridian the resulting lat.is 40°47'N.,which is the proper lat.nearly.

Thence with meanders in sec.25.

Level land.

N.42°E. 17.60 chs.Rocky beach about 2.00 chs.from water.

N.37°45'E., 20.00 chs.Rocky beach.Bank 2 ft.high.

Meanders in T.1 N.,R.6 W.-Continued.

N.20°30'E., 11.40 chs.Rocky beach.

N.47°30'W., 7.45 chs.Rocky beach 4 ft.above water and 150 lks.from waters edge.

At 7.45 chs.the meander cor.of fracl secs.24 and 25.

Land,level rocky beach from 2 ft to 4 ft.above water and about 2.00 chs.from water.

Soil,sandy and rocky;4th rate.

Thence with meanders in sec.24.

Over rocky beach.

N.42°W. 10.00 chs.About 1.00 chs.from water.

N.1°45'W. 7.90 chs.Bank 6 ft.high and 75 lks.from water.

N.12°45'W. 6.60 chs.At 3.90 chs.A small spring bears West 12 lks.in a box 10x2x2 ft.the water does not flow out of box but seeps out and runs into the lake.By dipping out of box I determine the flow of spring to be about 1 gal.per minute.The water is brackish but cattle drink it in the winter.It is about 6 ft.above the lake.

At 6.60 chs.Bank 6 ft.high.

N.27°W. 10.80 chs.Rock beach 75 lks.from waters edge.

N.8°15'E. 8.00 chs.Bank 2 ft.high,40 lks.from water.

N.25°45'W.14.00 chs.Rocky beach 2 ft.high.

N.5°W., 15.00 chs. Rocky bank 4 ft.high.

N.16°24'E.13.80 chs.to the meander cor.of secs.13 and 24.

Land,level.sandy and rocky beach.

Soil,sandy and rocky;3rd rate.

No timber.

Undergrowth,scattering greasewood.

June 14,1913.

Chains

June 19,1913:At 8 h 1 m a.m.,l.m.t.,I set off 40°49'N., on the lat.arc;23°27'N.,on the decl.arc;and determine a meridian with the solar,at the meander cor.of fracl.secs. 13 and 24.

Thence I run

With meanders in Sec.13

Over sandy beach;through dense sage brush.

N.27°E., 14.00 chs. Bank 5 ft.high,100 lks.from water.

N.41°E., 22.00 chs. Sand beach and a few rocks.

N.53°30'E.20.00 chs. Bank 6 ft.high and 50 lks.from water

N.8°30'E. 11.90 chs. Rocky beach.Bank 3 ft.high.

N.43°W., 37.40 chs. To the meander cor.of fracl.secs. 12 and 13.

Land,level sandy beach with patches of rock.

Soil,loose sand and rocky;3rd rate.

Undergrowth,sage brush and greasewood.

No timber.

Thence with meanders in sec.12

Over level

N. 24°00'W.,15.70 chs. Bank 3 ft.high,50 to 150 ft.from water.Sandy beach.

N.2°45'E. 23.80 chs. Bank 4 to 8 ft.high,sandy beach 150 lks.from water.

N.24°45'E. 21.00 chs.Bank 4 ft.high,120 lks.from water.

N.2°30'E. 6.00 chs.Bank 6 ft.high.100 lks.from water Rocky beach.

N.25°30'W. 10.50 chs. Bank 4 ft.high,80 lks.from water.

N.10°00'W. 7.50 chs.At 4.80 chs.Intersect boxed spring 10x2x2 ft.Water does not run out of box but seeps out,By dipping I determine the flow to be about 1 gal per minute.Water brackish but better

Chains

water than the spring in sec.24.

At 7.50 chs.the meander cor.of fracl.secs. 1 and 12.

Land level .

Soil,loose oolitic sand .

Scattering sage and greasewood along beach.

No timber.

Some good grass.

June 19,1913:At this cor.I set off 23°26'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°50'N.,which is the proper lat.nearly.

Thence with meanders in sec.1 .

Over level beach.

N.15°W. 9.00 chs.Bank 4 ft.high,Sandy beach.

N.13°E. 15.50 chs.Bank 4 ft,high,sandy beach.

N.15°45'W.17.60 chs.Bank 5 ft.high,sandy beach.

N.39°30'W. 6.50 chs.Bank 5 ft.high,rocky beach.

N.9°W. 6.00 chs.Bank 5 ft.high,Sandy beach.

N.27°30'W. 20.00 chs.to the meander cor .of fracl.secs. 1 and 2.

Land,level .Sandy and rocky beach.

No timber.

Soil,oolitic sand with some rock.

Undergrowth,greasewood and sage brush .

Good grass .

Thence with meanders in sec.2.

Level beach .

N.37°45'W. 13.40 chs. to the meander cor.of fracl.secs.

Chains

2 and 35.

Land,level beach.

Soil,oolitic sand.3rd rate.

Undergrowth,scattering sage.

Good grass.

June 19,1913.

June 20,1913:At 8 h 1 m a.m.l. m.t.,I set off 40°46'N., on the lat.arc;23°27'N.,on the decl.arc;and determine a meridian with the solar,at the meander cor.of fracl.sec.31 on Salt Lake Base Line, heretofore described.

Thence I run

With meanders in sec.31

N.26°32'E.,89.43 chs.to the meander cor.of fracl.secs.

30 and 31.

Flat sandy beach,about 2 ft.above water.The high water mark is not well defined.

No vegetation.

Thence with meanders in sec.30.

Level sandy beach.

N.21°30'E.,40.88 chs.To the meander cor.of fracl.secs.

29 and 30.

Flat sandy beach and no vegetation.

Meanders of T.1 N.,R.6 W.-Continued.

Chains

Thence with meanders in sec.29.

Level sandy beach.

N.35°E.,15.00 chs.Bank 2 ft.high and 2 chs.from water.

N.24°E. 32.55 chs.to the Meander cor of fracl.secs.20 and 29.

Flat sandy beach.

No vegetation on account of salt and alkali.

June 20,1913:At this cor.I set off 23°27'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°48'N.,which is the proper lat.nearly.

Thence with meanders in sec.20.

Over level sandy beach.

N.28°E. 40.00 chs. about 2.00 chs.from the water.

N.14°12'E. 46.10 chs.to the meander cor.of fracl.secs. 17 and 20.

Flat sandy beach.

Soil,sandy;3rd rate.

No vegetation on account of alkali and salt.

Thence with meanders in sec.17.

Over level beach.

N.3°E. 44.00 chs. About 2.50 chs.from water.

N.11°57'E., 36.84 chs.To meander cor.of secs.8 and 17.

Land,level.

Soil,sandy;4th rate.

No vegetation.

June 20,1913.

Meanders in T.1 N., R.6 W.--Continued.

June 21,1913:At 8 h 1 m a.m.,l.m.t.,I set off 40°50'N.,on the the lat.arc;23°28'N.,on the decl.arc;and determine a meridian with the solar,at the meander cor.of secs.8 and 17.

Thence with meanders in sec.8.

Over level beach.

N.2°54'W.,80.08 chs.To the meander cor.of secs.5 and 8.

Land,sandy level beach.

Soil,sandy ;4th rate.

No vegetation on account of salt.

Thence with meanders in sec.5.

Over level beach.

N.22°30'W.,43.00 chs.About 2.00 chs.from water.

N.35°W. 20.00 chs. About 3.00 chs.from water.

N.10°W.,~~12~~.16.00 chs. About 3.00 chs.from water.

N.0°41'E., 7.99 chs.To the meander cor.of secs.5 and 32,on N.bdy.of Tp.

Land,level.

Soil,sandy;4th rate.

No vegetation on account of salt and alkali.

June 21.1913.At this cor.I set off 23°28'N.,on the decl.arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°51'N.

June 21,1913.

John P. Stewart

U.S.Surveyor.

Sub.T. 1 N., R. 6 W.-Concluded.

GENERAL DESCRIPTION.

This township occupies the south end of what was formerly Stansbury Island, but the waters of the lake have receded until now there is astip of land four or five miles wide connecting the island with the mainland. The island consists mainly of a range of mountains running north and south; high and ruggid and steep at the south and centrallpart and gradually getting lower toward the north end of the island. On the east slope of the range there are only a few small valleysof from 200 to 500 acres that would be suitable at all for agricultural purposes other than grazing. But on the west side of the township thereis a strip of land about one mile wide running through the township that would probably be suitable for dry farming providing good water could be developed for culinary purposes. The water in the township, which consists of two springs on the east side of the township, is brackish and not suitable for drinking. Although cattle drink it in the winter. In fact the island is used exclusively for winter grazing of cattle by Grantsville people. The fence across the south end of the island is for the purpose of Keeping cattle on the island.

The soil of the mountainous portion of the township is very gravelly and rocky; but what soil there is mixed with the gravel and rock is rich, and whereever there is anysoil at all grass grows abundantly. The growth of grass is much more abundant on the west slopes than on the east. The soil at the foot of the mountains is very good, being a rich sandy loam, but get poorer as you approach the water, and is entirely barren for some distance back from the water. The beach on the west side is sandy all the way along. On the east side of the township the beach is partly sand and partly rocky.

There are no settlers in the township.

Sub.T.1 N.,R.6 W.-Concluded.

June 21,1913.

John R. Stewart
U.S.Surveyor.

Robert D. Dallas
U.S.Transitman.

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Page

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities tated opposite our several signatures, in surveying all those parts or portions of .....

For certificate of assistants see book "K" T.4 S., R.6 W.

f the ..... Meridian, in the State of .....

hich are represented in the foregoing field notes as having been executed by him, and under his direc-on; and that said survey has been, in all respects, to the best of our knowledge and belief, well and ithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

6—2761 *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 .....

For final oaths of U.S.Surveyor and Ironmitman see book "K" T.4 S.R. 6 W.

..... 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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 191 5.

The foregoing field notes of the survey of the subdivisional and meander lines of Township No.1 North, Range No. 6 West, of the Salt Lake Base and Meridian, Utah,

executed by John H.Stewart and Robert D.Dalton under ~~his~~ their special instructions dated April 10, 1913, 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.

6—2761

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Page

KPB.

U. S. Surveyor General's Office
APR 7 1914
SALT LAKE CITY, UTAH.

4—679

BOOK A-404

I.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION AND MEANDERS

of

Township No. 2 North, Range No. 6 West,

Of the Salt Lake Base and *Meridian,*

the State of Utah

EXECUTED BY

John R. Stewart and Robert D. Dalton

and Transitman

the capacity of U. S. Surveyor, under instructions dated April 10, *1913,*

ued by the United States Surveyor General to govern surveys included in

oup No. 20, *which were approved by the Commissioner of the General Land*

ice, April 28, *1913, pursuant to authority contained in the Act of*

ngress dated ....., *191*....

Survey commenced June 21, *1913*

Survey completed June 28, *1913*

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Sub - 20 - 62 - 93
Meas - 12 - 47 - 52

BOOK A-404

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Meanders pages 28 to36

6—151

Chains.

Survey commenced June 21, 1913, and executed with a Keuffel & Esser light mountain transit, No.20037, 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. Five-chain tapes and clinometers were used.

The instrument was examined, tested on the meridian at Salt Lake City, found correct, and was approved May 2, 1913, by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys.

Note: For test of instrument see notes of E.bdy.T.1 S. R.5 W.

June 21, 1913: At 8h 1m a.m.l.m.t., I set off 40° 51' N.on the lat.arc; 23° 28'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs. 2,3,34, and 35 on S.bdy.of Tp., heretofore described.

Thence I run

N.0° 02'W.bet.secs.34 and 35,

Over mountainous land; through scattering timber and dense sagebrush. Desc.

5.00 Bottom of swale, 60 ft.below cor., course E. Asc.

10.50 Top of ridge, 125 ft.above swale, bears E.and W. Desc.

17.50 Bottom of hollow, 150 ft.below ridge, course S.60° E. Asc.

38.00 Top of spur, 500 ft.above hollow, bears N.60° W. and S.60° E. Desc.

40.00 Set an iron post, 3 ft.long,1 in.in dia., 16 ins.in the ground, on rock, and surrounded by mound of stone for ¼ sec.cor., mkd.on brass cap

¼ S 34 | S 35
1913

from which

A cedar, 6 ins.dia., bears S.11° 30'E.144 lks. dist., mkd.¼ S 35 B T

Chains.

A cedar, 8 ins.dia., bears West 57 lks.dist. mkd.$\frac{1}{4}$ S 34 B T

46.90 Ledge, 20 ft.high, bears NW. and SE.

47.10 Enter heavy timber, bears NE. and SW.

56.70 Leave heavy and enter scattering timber, bears NE. and SW.

58.80 Bottom of ravine, 375 ft.deep, course NE. Asc.

62.90 Top of spur, 125 ft.above ravine, and rocky, course N.60° E. Desc.

76.20 Bottom of hollow, 300 ft.below spur, course S.60° E. Asc.

80.00 Set an iron post 3 ft.long, 2 ins.in dia., 20 ins.in the ground, on rock and surrounded by mound of stone, for cor.of secs.26,27,34, and 35, mkd.on brass cap

T 2 N	R 6 W
S 27	S 26
S 34	S 35

1913

from which

A cedar, 6 ins.dia., bears N.57° E. 58 lks. dist., mkd.T 2 N R 6 W S 26 B T

A cedar, 8 ins.dia., bears S.36° E. 21 lks. dist., mkd.T 2 N R 6 W S 35 B T

A cedar, 8 ins.dia., bears S.87° W. 73 lks. dist., mkd.T 2 N R 6 W S 34 B T

A cedar, 8 ins.dia., bears N.26° W. 101 lks. dist., mkd.T 2 N R 6 W S 27 B T

Land, mountainous and rough.

Soil, mountain loam, mixed with rock; 3rd rate.

Timber, cedar.

Undergrowth, sage. Good grass.

Mountainous or heavily timbered land, or land covered wit dense undergrowth 80.00 chs.

East bet.secs.26 and 35,

Over rocky, mountainous land; through dense undergrowth and scattering timber.

Chains	
	Desc.
10.50	Bottom of swale,75 ft.below cor.,course S.
	Asc.
30.50	Rocky spur,250 ft.above swale,bears N.69°W.and S.60°E.
	Desc.abruptly over large rocks.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	¼ S 26 / S 35 1913
	and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
60.90.	West shore of Great Salt.Lake,Rocky shore.
	Set an iron post,3 ft.long,1 in.in dia.,16 ins.in the ground,on solid rock,and surrounded by mound of stone, for meander cor.of fracl.secs.26 and 35,mkd.on brass cap
	T 2 N R 6 W / S.26 / S 35 M C 1913
	and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,rough and mountainous.
	Soil,very rocky;3rd and 4th rate.
	Timber,scattering cedar.
	Undergrowth,sage brush..
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 60.90 chs.
	June 21,1913:At this cor.I set off 23°28'N.,on the decl. arc;and at 0 h 1 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°52'N.,which is the proper lat.nearly.

	N.0°02'W.,bet.secs.26 and 27.
	Over mountainous land;through dense undergrowth,and scattering timber.
	Asc.over quartzite rock and boulders.

Chains	
16.00	Top of ridge,400 ft.above cor.,bears E. and W.
	Desc.abruptly over quartzite boulders.
40.00	set an iron post,3 ft.long,1 in.in dia.,14 ins.in the ground,on rock,and surrounded by moun od stone,2 ftr ¼. sec.cor..mkd.on brass cap
	¼.S 27 | S 26 1913
	and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
43.10	Top of vertical ledge,50 ft.high,bears E.and W.
58.50	Bottom of hollow,800 ft.below ridge,course E.
	Asc. abruptly.
78.20	Top of rocky spur,350 ft.above hollow,bears N.60°W. and S.60°E..
	Desc.
80.00	Set an iron post, 3 ft.long,2 ins.in dia.,18 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.22,23,26,and 27,mkd.on brass cap

T 2 N R 6 W

S 22	S 23
S 27	S 26

1913

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

Land,rough and rocky;3rd rate.

Soil,rocky and gravelly;3rd rate.

Timber,cedar.

Undergrowth,sage brush and juniper.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs

June 21,1913.

June 23,1913:At 8 h 2 m a.m.,l.m.t.,I set off 40°53'N.,o on the lat.arc;23°27'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.22.23.26.and 27.

Thence I run

Chains

East, on a true line bet.secs.23 and 26.

Over mountainous land; through dense undergrowth.

Desc.abruptly.

21.00 West shore of Great Salt Lake.

Set an iron post, 3 ft.long, 1 in.in dia., 26 ins.in the ground, for meander cor.of fracl.secs.23 and 26, mkd.on brass cap

T 2 N R 6 W
S 23
S 26 M C
1913

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

Land, mountainous and rocky and steep.

Soil, rocky and gravelly; 3rd rate.

No timber,

Undergrowth, sage brush and juniper

Good grass for grazing.

Mountainous land, or land covered with dense undergrowth, 21.00 chs.

June 23, 1913: At this cor. I set off 23°27'N., on the decl. arc; and at 0 h 2 m p.m., l.m.t., I observe the sun on the meridian, the resulting lat.is 40°53'N., which is the proper lat.nearly.

N.0°02'W., bet.secs.22 and 23.

Over rough mountainous land; through dense undergrowth.

Desc.

1.90 Point from which the south end of Carrington Island bears N.29°35'E.

The South end of butte in middle of island bears N.21°31' E.

The North end of the island bears N.14°32'E.

3.10 Vertical limestone, ledge, 60 ft.high, bears E.and W.

A natural cave 10 ft.high, 40 ft.wide and 50 ft.back bears W., 10 lks.dist.

Chains

29.10 West shore of Great Salt Lake .

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.22 and 23,mkd.on brass cap

T 2 N R 6 W

M C

S 22 | S 23

1913

Dig a pit,36x36x12 ins.,S.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,S.of cor.

Land,mountainous .

Soil,gravelly and rocky;3rd and 4th rate.

No timber.

Undergrowth,sage and juniper .

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

29.10 chs.

June 23,1913.

Robert D. Dallas

U.S.Transitman.

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June 23,1913:At 8 h 2 m a.m.,l.m.t.,I set off 40°51'N., on the lat.arc;23°27'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.3,4,33,and 34,on S.bdy.of Tp.,

Note:For test of instrument see notes of Sub.T.1 S.,R.6 W. or Sub.T.1 S.,R.5 W.

Thence I run

N.0°02'W.,bet.secs.33 and 34.

Over rough mountainous land;through cedars .and dense undergrowth.

Desc.abruptly.

Chains	
9.50	Bottom of gulch,600 ft.below cor.,course N.70°W.
	Asc.
15.00	Quartzite ledges,100 ft.high,bears N.30°E.and S.30°E.
	Desc.
19.70	Rocky gulch,100 ft.below ledges,course W.
	Asc.over quartzite ledges.
28.50	Top of rocky quartzite ridge,700 ft.above gulch,bears E.and W.
	Desc.
31.78	Top of quartzite ledge,100 ft.high,bears E.and W.
	Desc.
36.50	Rocky gulch,400 ft.below ridge,course N.65°W.
	Asc.
37.50	Leave cedars,bears E.and W.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 33 | S 34 1913
	and raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Desc.
54.00	Bottom of gulch,200 ft.below ridge,course W.
	Asc.
59.40	Gulch,200 ft.deep,course W.
	Asc.
65.00	Enter heavy timber,bears E.and W.
65.80	Top of spur,200 ft.above gulch,bears N.70°E.and S.70°W.
	Desc.
77.00	Leave timber,bears E.and W.
78.90	Gulch,150 ft.below spur,course S.50°W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.27,28,33,and 34,mkd.on brass cap
	T 2 N R 6 W S 28 | S 27 S 33 | S 34 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.

Chains

Land,rough and mountainous..

Soil,gravelly and rocky;4th rate.

Timber,cedar..

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

June 23,1913:At this cor.I set off 23°27'N.,on the decl.

arc;and at 0 h 28 p.m.,l.m.t.,I observe the sun on the

meridian.the resulting lat.is 40°52'N.,which is the

proper lat.nearly.

East,on a random line bet.secs.27 and 34.

40.00 Set temp.¼ sec.cor.

80.10 Intersect N.and S.line,2 lks.S.of the cor.of secs.26,27,

34,and 35

Thence I run,

S 89°59'W.,on a true line bet.secs.27 and 34..

Over mountainous land;through scattering timber.and dense

undergrowth.

Desc.

9.75 Bottom of hollow,75 ft.below sec.cor.,course SE.

Asc.

22.10 Top of spur,250 ft.above hollow,bears NE .

Desc.

25.20 Bottom of hollow,50 ft.below spur,course NE.

Asc.abruptly.

40.05 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the

ground,on solid rock,and surrounded by mound of stone,

for ¼ sec.cor..mkd.on brass cap

¼ S 27

S 34

1913

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

42.40 Top of main ridge,400 ft.above hollow,bears N.15°W.and S.

Sub.T.2 N.R.6 W.-Continued.

Chains	
	15'E.
	Desc.
51.40	Bottom of hollow,150 ft.below ridge,course S.30°W.
	Asc.
61.00	Top of spur,50 ft.above hollow,bears N.30°E.and S.30°W.
	Desc.
75.10	Bottom of hollow,400 ft.below spur,course S.65°W.
	Leave cedar,bears same.
	Continue descent.
79.70	Bottom of gulch,50 ft.deep,course S.50°W.
	Asc.
80.10	The cor.of secs.27,28,33,and 34.
	Land,mountainous.
	Soil,gravelly and rocky;3rd rate.
	Timber,cedar.
	Undergrowth,sage and juniper.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.10 chs.

June 23,1913.

June 24,1913:At 8 h 2 m a.m.,l.m.t.,I set off 40°52'N.,on the lat.arc;23°26'N.,on the decl.arc;and determine a meridian,with the solar,at the cor.of secs.27,28,33,and 34,.

Thence I run

N.0°02'W.,bet.secs.27 and 28.

Over mountainous land;through dense undergrowth.

Desc.along east side of spur.

14.00	Enter scattering timber bears E.and S.
32.50	Peak,200 ft.high.Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor.,mkd.on brass cap

¼ S 28 | S 27
1913

from which

Chains

A cedar,10 ins.dia.,bears N.28°30'W.,68 lks. dist..mkd.¼ S 28 B T.

A cedar,10 ins.dia.,bears S.33°10'E.,39 lks. dist..mkd.¼ S 27 B T.

Head of gulch,course N.40°E.

Enter heavy cedar and mahogany timber,bears NE and SW.

Asc.

48.00 Top of ridge,bears NE and SW.

Desc.

48.20 Leave timber,bears NE and SW.

57.00 Foot of desc.,300 ft.below ridge,bears N.45°E.and W.

Thence over roughly rolling land and through scattering timber.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for cor.of secs.21,22,27,and 28,mkd.on brass cap

T 2 N R 6 W
S 21 | S 22
S 28 | S 27
1913

from which

A cedar 7 ins.dia.,bears N.70°25'E.,50 lks. dist..mkd.T 2 N R 6 W S 22 B T.

No other trees within limits;dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base, 2 ft.high,W.of cor.

Land,mountainous

Soil,gravelly and rocky;4th rate.

Subsoil,gravel.

Timber,cedar and mahogany.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

June 24,1913:At this cor.I set off 23°26'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°53'N.,which is the proper lat.nearly.

Chains	
	N.89°59'E., on a random line bet.secs.22 and 27.
40.00	Set temp. ¼ sec.cor.
80.02	Intersect N.and S.line, 3 lks.W.of the cor.of secs.22, 23,26,and 27.
	Thence I run
	West,on a true line bet.secs.22 and 27.
	Over mountainous land;through dense undergrowth.
	Asc.over quartzite boulders.
2.00	Top of spur,25 ft.above cor.,bears N65°W.and S.65°E.
	Desc.
15.50	Swale,200 ft.below spur,course S.20°E.
	Asc.
18.90	Spur,200 ft.above swale,bears N.and S.
	Desc.
32.70	Bottom ofhollow,150 ft.below spur,course S.70°E.
	Asc.
40.01	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 22 / S 27. 1913
	And raise a mound of stone,2 ft.base 1½ ft.high,N.of cor.
61.40	Top of main ridge,600 ft.above hollow,bears N.and S.
	Desc.
74.40	Bottom of hollow,400 ft.below ridge,course N.60°W.
	Asc.
75.20	Top of spur,60 ft.above hollow,bears N.60°W.and S.60°E.
	Desc.
77.80	Bottom of hollow,70 ft.below ridge,course N.70°W.
80.02	The cor.of secs.21,22,27,and 28.
	Land,mountainous.
	Soil,gravelly;3rd rate;2 ft.deep.subsoil,gravel.
	Timber,cedar.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80.02 chs.

Chains

June 24,1913.

June 25,1913:At 8 h 2 m a.m.,l.m.t.,I set off 40°53'N., on the lat.arc;23°25'N.,on the decl.arc;and determine an meridian with the solar,at the cor.of secs.21,22,27,and 28.

Thence I run

N.0°02'W.,bet.secs.21,and 22.

Over mountainous land;through dense undergrowth.

Desc.

1.30 Wash,30 lks.wide,20 ft.deep,course N.40°W.

Thence along water mark.

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

¼ S 21 | S 22
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

Desc.along west slope of main ridge.rocky.

80.00 Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.15,16,21,and 22,mkd.on brass cap

T 2 N R 6 W
S 16 | S 15
S 21 | S 22.
1913

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

Land,mountainos west slope

Soil,gravelly and rocky;3rd rate.

No timber.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

June 25,1913:At this cor.I set off 23°25'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°54'N.,which is the

Sub.T.2 N.,R.6 W.-Continued.

Chains	
	proper lat.nearly.
	East,bet.secs.15 and 22.
	Over mountainous land;through dense undergrowth.
	Asc.over large boulders
24.50	Top of main ridge,300 ft.above cor.,bears N.10°W.and S. 10°E.
	Desc.abruptly.over ledges.
29.70	Vertical ledge 70 ft.high,bears N.and S.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 15 / S 22 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
50.00	Leave ledge,bears NW and SE.
72.50	West shore of Great Salt Lake
	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for meander cor.of fracl.secs.15 and 22.mkd.on brass cap
	T 2 N R 6 W S 15 MC / S 22 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous.
	Soil,rich loam mixed with rock;2nd rate.
	Undergrowth,sage and juniper brush.
	No timber.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 72.50 chs.
	N.0°02'W.,bet.secs.15 and 16.

Sub.T.2 N.?R.6 W.-Continued.

Chains	
	Over mountainous land;through dense sage .
	Desc.over rocky west slope of main ridge.
30.00	Bottom of swale,300 ft.below cor.,course W.
	Asc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor.,mkd.on brass cap
	¼ S.16 | S 15 1913
	Andraise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
60.00	Top of spur,200 ft.above.swale,bears.N.60°W.and S.60°E.
	Desc.
80.00	Set an iron post,3.ft.long,2.ins.in dia.,12 ins.in the ground,on solid rock,and surrounded by mound of stone, for cor.of secs.9,10,15,and 16,mkd.on brass cap
	T 2 N | R 6 W S 9 | S 10 S 16 | S 15. 1913
	And raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land mountainous ,steep west slope and rocky.
	Soil,gravelly and rocky;3rd rate.
	No timber.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 80.00 chs.

June 25,1913.

June 27,1913:At 8 h 3 m.am.,l.m.t.,I set off 40°55'N.,on the lat.arc;23°21'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.9,10,15,and 16.

Thence I run

Sub.T.2 N.,R.6 W.-Continued.

Chains	
	East,on a true line bet.secs.10 and 15.
	Over mountainous land;through dense undergrowth.
	Asc..
35.00	Top of ridge,200 ft.above cor.,bears N.60°W.and S.60°E.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,14 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 10 / S 15 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
47.40	West Shore of Great Salt Lake.
	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on rock,and surrounded by mound of stone,for meander cor.of fracl.secs.10 and 15,mkd.on brass cap
	T 2 N R 6 W / S 10 / S 15 M C 1913
	Add raise a mound of stone,2 ft.base,1½ ft.high,W.of cor.
	Land,mountainous .
	Soil,rocky and gravelly;3rd and 4th rate.
	Undergrowth,sage brush.
	Good grass .
	Mountainous land,or land covered with dense undergrowth,
	47.40 chs.
	West,on a true line bet.secs.9 and 16.
	Over mountainous land.through dense sage brush.
	Desc.over boulders.
21.50	Swale,150 ft.below cor.,course N.30°W.
	Asc.
36.00	Spur,75 ft.above swale,projects N.60°W.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Chains	
	ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 9 / S 16 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
51.40	Low sand ridge,bears N.70°W.and S.70°E.
	Desc.
59.35	Shore of Great Salt Lake.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.9 and 16,mkd.on brass cap
	T 2 N R 6 W / S 9 / S 16 / MC 1913
	Dig pits,36x36x12 ins.E.of post,8 ft.dist.;and raise a mound of earth,4 ft.base 2 ft.high,E.of cor.
	Land,mountainous.
	Soil,gravelly and rocky;3rd and 4th rate.
	Undergrowth, sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 59.35 chs.
	June 27,1913:At this cor.I set off23°21'N.,on the decl. arc;and at 0 h 3 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat,is 40°54'N.,which is the proper lat.nearly.

N.0°02'W.,bet.secs.9 and 10.

Over mountainous land;through dense undergrowth.

Desc.along rocky west slope of ridge.

13.20	Enter heavy timber,bears E.and W.
20.00	Swale,150 ft.below cor.,course W.
	Asc.
	Leave timber,bears E and W.

Chains

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

¼ S 9 | S 10
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth 3½ ft.base,1½ ft,high, W.of cor.

70.50 Top of spur,150 ft.above hollow,bears N.80°W.and S.80°E.

Desc.

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,mkd.on brass cap

T 2 N R6 W
S 4 | S 3
S 9 | S 10
1913

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

Land mountainous ,rocky and rough.

Soil,mountain loam mixed with rock;3rd rate.

Undergrowth,sage brush.

Good grass for grazing.

Mountainous or heavily timbered land,or land covered with dense undergrowth,80.00 chs.

East,bet.secs.3 and 10.

Over mountainous land;through dense undergrowth.

Asc.over rocks and boulders.

9.40 Main ridge,150 ft.above cor.,bears N.and S.

Desc.over rocks and boulders.

20.40 West shore of Great Salt Lake .140 ft.below ridge.

Set an iron post,3 ft.long,1 in.india.,16 ins.in the ground,on solid rock,and surrounded by mound of stone, for meander cor.of fracl.secs.3 and 10.mkd.on brass cap

T 2 N R 6 W
S 3
S 10 M C
1913

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

Land mountainous .

Soil,mountain loam mixed with rock;3rd rate.

Chains	
	No timber.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	20.40 chs.
	West,on a true line bet.secs.4 and 9.
	Over mountainous land;through dense undergrowth,
	Desc.over large boulders.
4.50	Shore of Great Salt Lake.
	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the
	ground,on rock,and surrounded by mound of stone,for
	meander cor.of fracl.secs.4 and 9,mkd.on brass cap
	T 2 N R 6 W
	S 4 / M C S 9
	1913
	Land mountainous .
	Soil,very rocky;4th rate.
	No timber.
	Undergrowth,sage brush.
	Good grass.
	Mountainous land,or land covered with dense undergrowth,
	4.50 chs.
	N.0°02'W.,bet.secs.3 and 4.
	Over mountainous land;through dense sage brush.
	Desc.over large boulders.
8.38	Shore of Great Salt Lake .
	Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the
	ground,on rock,and surrounded by mound of stone,for
	meander cor.of fracl.secs.3 and 4.,mkd.on brass cap
	T 2 N R6 W.
	S 4 | M C S 3
	1913

Sub.T. 2 N R 6 W.-Continued.

Chains	
	and raise a mound of stone,2 ft.base,1½ ft.high,S.of cor.
	Land,mountainous.
	Soil,rocky;3rd rate.
	No timber.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	8.38 chs.

June 27,1913.

John R. Stewart
U.S. Surveyor.

June 24,1913:At 8 h 2 m a.m.,l.m.t.,I set off 40°51'N., on the lat.arc;23°26'E.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.4,5,32,and 33,on S.bdy.of Tp.,heretofore described.

Thence I run

N.0°03'W.,bet.secs.32 and 33.

Over mountainous land;through dense undergrowth.

Dose.across mouth of hollow.

22.50	A small circular corral bears W.15.00 chs.dist.
	Leave greasewood and enter sage brush,bears E.and W.
30.10	Road,bears N.80°E.and S.80°W.
37.50	Begin ascent of rocky hill,bears 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,on solid rock,and surrounded by mound of stone, for ¼ sec.cor.,mkd.on brass cap

¼ S 32 | S 33
1913

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

44.75	Top of rocky spur,200 ft.above foot,bears E.and W.
	An old cabin bears N.71°15'W. about 6.00 chs.dist.
46.43	A prospect tunnel,60 ft.long,bears West 193 lks.dist.
47.05	An incline shaft 25 ft.deep,bears W.25 lks.dist.

Sub.T.2 N.,R.6 W.-Continued.

Chains	
62.50	Wash,20 lks.wide,course W.
65.30	Wash,30 lks.wide,2 ft.deep,course S.70°W.
70.20	End of low quartzite spur,bears N.and W.
	Desc.
73.00	Wash,75 lks.wide,course S.75°W.
80.00	Set an iron post,3 ft.long,2 ins.in dia.,12 ins.in the ground,on rock,and surrounded by mound of stone,for cor.of secs.28,29,32,and 33,mkd.on brass cap

T 2 N R 6 W	
S 29	S 28
S 32	S 33

1913

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

Land,roughly rolling.

Soil,rocky and gravelly;4th rate.

Undergrowth,sage and greasewood.

Good grass for grazing.

Land covered with dense undergrowth,80.00 chs.

East,on a random line bet.secs.28 and 33.

40.00	Set temp.¼ sec.cor.
80.06	Intersect N.and S.line,7 lks.N.of the cor.of secs.27,28, 33,and 34.
	Thence I run
	N.89°57'W.,on a true line bet.secs.28 and 33.
	Over mountainous land;through dense undergrowth and scattering timber.
	Asc.
13.10	Top of spur;100 ft.above cor.,bears N.30°E.and S.30°W.
	Desc.
26.10	Wash,5 ft.deep,250 ft.below spur,in broad hollow,course S.20°W.
	Asc.
29.80	Wash,3 ft.deep,course S.30°W.
32.50	Wash,20 lks.wide,course S.30°W.
	Asc.

Sub.T.2 N.,R.6 W.-Continued.

Chains	
40.03	Point 150 ft.above wash.
	Set an iron post,3 ft.long,1 in.in dia.,16 ins.in the ground,on solid rock,and surrounded by moundof stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 28 / S 33 1913
	from which
	A cedar,14 ins.dia.,bears S.7°W.,29 lks. dist..mkd.¼ S 33 B T.
	A cedar,8 ins.dia.,bears N.15°W.,22 lks. dist..mkd.¼ S 28 B T.
42.20	Top of ridge,100 ft.above ¼ sec.cor.,bears N.15°E.and S. 15°W.
	Desc.
53.25	Wash,30 lks.wide,course S.55°W.
65.00	Wash,30 lks.wide,course S.30°W.
80.06	The cor.of secs.28,29,32,and 33.
	Land,mountainous .
	Soil,rocky and gravelly about 2 ft.deep.;3rd rate.
	Subsoil,gravel and rock.
	No timber.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth,
	80;06 chs.
	June 24,1913:At this cor.I set off 23°26'N.,on the decl. arc;and at 0 h 02 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°52'N.,which is the proper lat.nearly.
	West,on a true line bet.secs.29,and 32.
	Over mountainous land;though dense undergrowth ,and a few scattering cedars.
	Desc.
34.00	Foot of descent,250 ft.below cor.,bears N.and S.

Chains

Thence over level land.

35.00 Road,bears N.and S.

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

¼ S 29

S 32
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

55.00 Leave greasewood and sage brush,bears N.and S.

57.00 Shore of Great Salt Lake.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.29 and 32.mkd.on brass cap

T 2 N R 6 W

S 29

M C CS32
1913

Dig a pit,36x36x12 ins.,E.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,E.of cor.

Land,mountainous on E.34.00 chs.and level on balance.

Soil,rocky on E.34.00 chs.and sandy on balance ;3rd rate.

A few scattering cedars.

Undergrowth,sage and greasewood on E.55.00 chs.

Some grass.

N.0°03'W.,bet.secs.28 and 29.

Over mountainous land;through dense undergrowth.

Asc.

4.90 Top of flat ridge,100 ft.above cor.,bears E.and W.

Desc.

17.20 Wash,30 lks.wide,4 ft.deep,course W.

30.50 Wash,100 lks.wide,6 ft.deep,course S.45°W.

Asc.

40.00 Set an iron post,3 ft.long,1 in.in dia.,12 ins.in the ground,on rock,and surrounded by mound of stone,for

Sub.T.2 N.,R.6 W.-Continued.

Chains

¼ sec.cor..mkd.on brass cap

¼ S.29 | S.28
1913

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

49.75 Top of flat quartzite ridge,300 ft.above wash,bears E. and W.

Desc.

54.00 Foot of descent,100 ft.below ridge,bears E.and W.

Enter flat.

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,mkd.on brass cap

T 2 N R 6 W S
S 20 | S 21
S 29 | S 28
1913

Dig pits,18x18x18 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,mountainous on S.54.00 chs.and level on balance.

Soil,rocky,on S.54.00 chs.sandy on balance.

Undergrowth,sage brush.

Good grass for grazing.

No timber.

Mountainous land,or land covered with dense undergrowth, 80.00 chs.

June 24,1913.

June 25,1913:At 8 h 2 m a.m.,l.m.t.,I set off 40°53'N., on the lat.arc;23°25'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°57'E.,on a random line bet.secs.20 and 28.

40.00 Set temp.¼ sec.cor.

79.94 Intersect N.and S.line,4 lks.N.of the cor.of secs.21, 22,27,and 28.

Chains	
	Thence I run
	N.89°55'W.,on a true line bet.secs.21 and 28
	Over mountainous land;through dense undergrowth.
	Desc.
4.00	Wash,20 ft.deep,40 lks.wide,course N.30°W.
12.45	Wash,25 ft.deep,course N.30°W.
17.55	Wash,30 ft.deep,course N.35°W.
39.97	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap ¼
	¼ S 21 / S 28 / 1913
	and raise a mound of stone,2 ft.base,1½ ft.high,N.and cor.
44.45	Foot of limestone ledge,60 ft.high,bears N.70°W.and S. 70°E.
44.60	Top of ridge,160 ft.above wash,bears N.70°W.and S.70°E.
	Desc.
72.25	Wash,20 lks.wide,4 ft.deep,350 ft.below ridge,course N.50°
79.94	The cor.of secs.20,21,28,and 29.
	Land.,mountainous.
	Soil,gravelly and rocky;4th rate.
	No timber.
	Undergrowth,sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.94 chs.

	West,on a true line bet.secs.20 and 29.
	Over mountainous land;through dense undergrowth.
	Desc.
40.00	Set an iron post,3 ft.long,1 in.in dia.,20 ins.in the ground,on solid rock,and surrounded by mound of stone, for ¼ sec.cor..mkd.on brass cap
	¼ S 20 / S 29 / 1913

Sub.T.2 N. R 6 W.-Continued.

Chains	
	And raise a mound of stone,2 ft.base,1½ ft.high,N.of cor.
	Foot of descent,bears N.and S.
	Thence over flat.
48.00	Road,bears N.and S.
54.50	Leave undergrowth,bears N.and S.
56.40	Shore of Great Salt Lake,
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.20 and 29,mkd. on brass cap
	T 2 N R 6 W S 20 M C S 29 1913
	Dig a pit,36x36x12 ins.,east of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ftlhigh,E.of cor.
	Land,mountainous and level.
	Soil,gravelly rocky and sandy;3rd rate.
	No timber.
	Undergrowth,sage and greasewood.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 54.50 chs.
	June 25.1913.:At this cor.I set off 23°25'N.,on the decl. arc;and at 0 h 2 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°53'N.,which is the proper lat.nearly.
	———
	N.0°03'W.,bet.secs.20 and 21.
	Over mountainous land;through dense undergrowth.
	Desc.
1.50	Wash,50 lks.wide,3 ft.deep,course N.80°W.
8.00	Limestone,ledge,20 ft.high,bears E.and W.
8.20	Foot of descent,bears E.and W.
	Thence over flat.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the

Sub.T.2 N.,R.6 W.-Continued.

Chains

ground,for ¼ sec.cor.,mkd.on brass cap

¼ S 20 | S 21
1913

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

69.80 Road,bears N.20°E.and S.20°W.

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.mkd.on brass cap

T 2 N R 6 W.

S 17	S 16
S 20	S 21

1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,mountainous and level.

Soil,gravelly and sandy;3rd rate.

No timber.

Undergrowth,sage brush.

Some grass.

Mountainous land,or land covered with dense undergrowth,

80.00 chs.

S.89°55'E.,on a random line bet.secs.16 and 21.

40.00 Set temp.¼ sec.cor.

79.88 Intersect N.and S.line,2 lks.N.of the cor.of secs.15,16, 21,and 22.

Thence I run

N.89°54'W.,on a true line bet.secs.16 and 21.

Over mountainous land;through dense undergrowth.

Desc.

39.94 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 16
S 21
1913

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

52.35 Foot of descent,bears N.and S.

Desc.gradually.

Chains	
67.05	Road,bears N.40°E.and S.40°W.
79.88	The cor.of secs.16,17,20,and 21.
	Land,mountainous and rolling .
	Soil,gravelly and rocky;3rd and 4th rate.
	No timber.
	Undergrowth,dense sage brush.
	Good grass for grazing.
	Mountainous land,or land covered with dense undergrowth, 79.88 chs.
	West,on a true line bet.secs.17 and 20.
	Over level land;through dense undergrowth.
6.00	Leave undergrowth,bears N.30°E.and S.30°W.
14.00	Shore of Great Salt Lake .
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs. 17 and 20,mkd.on brass cap .
	T 2 N R 6 W S17 M C S 20 1913
	Dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,E of cor.
	Land,level.
	Soil,sandy;3rd rate.
	No timber.
	Undergrowth,greasewood ,on E.6.00 chs.
	Some grass on E.6.00 chs.
	Land covered with dense undergrowth,6.00 chs.
	N.0°03'W.,bet.secs.16 and 17.
	Over sandy beach.
6.00	Leave undergrowth and enter barren land,brars N.40°E.

Sub.T.2 N.,R.6 W.-Continued.

Chains

and S.40°W.

12.00 Shore of Great Salt Lake. 4.00 chs.from water.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.16 and 17.,mkd.on brass cap

T 2 N R 6 W
S 17 | N 0
S 16
1913

Dig a pit,36x36x12 ins.,S.of post,8 ft.dist.;and raise a mound of earth,4 ft,base,2 ft.high,S.of cor.

Land,level.

Soil,sandy 4th rate.

No timber.

Undergrowth,greasewood on S.6.00 chs.

A little grass.

Land covered with dense.undergrowth,6.00 chs.

June 25,1913.

Robert D. Dalton

U.S.Transitman.

XXXXXXXXXXXXX

Meanders of T.2 N.,R.6 W.

June 27,1913:At 8 h 3 m a.m.,l.m.t.,I set off 40°51'N., on the lat.arc;23°21'N.,on the decl.arc;and determine a meridian with the solar,at the meander cor.of fracl.secs. 5 and 32,on S.bdy.of Tp.,heretofore described.

Thence I run with meanders in sec.32.

Over level land;sandy beach no vegetation.

Chains

N.8°E. 45.00 chs.

N.22°W. 29.00 chs.

North 8.48 chs.;the meander cor.of fracl.secs.29 and 32.

Land level sandy beach.

Soil,3rd rate.

No vegetation.

Thence with meanders in sec.29.

Over level land;no vegetation.

N.2°15'E., 20.00 chs.

N.1°W., 45.00 chs.

N.2°E. 14.95 chs.to the meander cor.fracl.secs. 20 and 29.

Land is level sandy beach without vegetation and about 2 ft.above water and about 2 chs.from waters edge.

June 27,1913;At this cor.I set off 23°21'N.,on the decl. arc;and at 0 h 3 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°53'N.,which is the proper lat.nearly.

Thence with meanders in sec.20.

Over level beach ;gravel and pebbles:No vegetation.

N.10°45'E. 7.50 chs. A small spring bears E.4.00 chs. dist.brackish water.Does not flow but seeps through the soil to the lake,by dipping the water I determined the flow to be about 1 gal.per minute.

N.22°30'E. 26.60 chs.sandy beach about 2 ft.above water.

N.46°00'E. 12.50 chs.Sandy beach.

Chains

N.29°00'E.,45.00 chs.to the meander cor.of secs.17 and 20.

Land,level gravelly beach.

No vegetation.

Thence with meanders in sec.17.

Level gravelly beach.

N.27°45'W. 5.00 chs.Gravelly beach.

N.65°E., 18.00 chs.to the meander cor.of fracl.secs. 16 and 17.

Land,level sandy and gravelly beach.

No vegetation.

June 27,1913.

June 28,1913:At 8 h 3 m a.m.,l.m.t.,I set off 40° 53'N. on the lat.arc;23°19'N.,on the decl.arc;and determine a meridian with the solar,at the meander cor.of fracl. secs.16 and 17.

Thence I run

With meanders in sec.16.

Over level beach.

N.37°E. 36.60 chs.

N.3°E., 30.00 chs.

N.20°09'W. 9.30 chs.to the meander cor.of fracl.secs. 9 and 16.

From this cor.the E.end Carrington Island bears N.10°10'W.

Chains

The center of Carrington Island bears N.19°28'W.

The west end of Carrington Island bears N.26° 25'W.

The east end of a small unnamed island bears N.42°W.

The west " " " " " " N.47°20'W.

Thence with meanders in sec.9.

Over level beach strewn with large boulders.

N.5°30'E.,7.90 chs. About 50 lks.from water.

N.65°E. 4.50 chs.Enter sandy beach.covered with drift wood.Creasewood almost to meander line.

S.78°E. 12.00 chs. Sandy beach

N.73°30'E.13.70 chs. Sandy beach.

N.54°30'E. 8.50 chs. Sandy beach.Bank about 4 ft.high.

N.40°30'E.15.00 chs. Sand beach.

N.20°30'E.20.30 chs. Sandy beach.

N.15°W. 10.00 chs. Enter rocky beach.bank about 4 ft. high.

N.9°W. 7.80 chs. Rocky beach.

N.9°15'E. 11.00 chs. Rocky beach.Bank 5 ft.high.

N.32°57'E. 6.24 chs.To the meander cor.of fracl.secs. 4 and 9.

land,level sandy and rocky beach.

No vegetation.

June 28,1913:At this cor.I set off 23°18'N.,on the decl. arc;and at 0 h 3 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°56'N.,which is the proper lat.nearly.

Thence with meanders in sec.4 .

Over rocky beach.loose boulders about 50 lks.from water.

N.32°30'E. 5.00 chs.Rocky beach large boulders.

Chains

S.37°30'E. 4.54 chs. to the meander cor. of fracl. secs. 3 and 4.

Land, rocky beach with steep slope to waters edge. the meander line is about 50 lks. from waters edge and the bank is from 3 ft. to 6 ft. high.

No vegetation.

Thence with meanders in sec. 3.

Over rocky beach; large loose boulders.

N.20°E. 19.10 chs. From this point the center of Carring Island bears N.31°W. The center of the small unnamed island bears N.73°30' W.

N.46°E. 5.00 chs. Rocky beach. This point is the extreme north end of Stanbury Island.

S.83°30'E. 4.10 chs.

S.37°E. 12.00 chs. Rocky beach.

S.4°30'E. 7.00 chs. Rocky beach.

S.15°30'W. 11.00 chs. Rocky beach

S.31°30'E. 2.44 chs. To the meander cor. of secs. 3 and 10. Rocky beach.

Land, level rocky beach; with large loose boulders.

No vegetation.

Soil, rocky; 4th rate.

June 28, 1913.

Robert D. Dalton

U.S. Transitman.

Meanders in T.2 N.,R.6 W.-Continued.

June 28,1913:At 8 h 3 m a.m.,l.m.t.,I set off 40°51'N.,on the the lat.arc;23°19'N.,on the decl.arc;and determine a meridian with the solar,at the meander cor.of fracl.secs. 2 and 35,on S.bdy.of Tp.,heretofore described.

Thence with meanders in sec.35.

Level sandy beach.No vegetation.

N.4°W., 15.00 chs. Sandy beach.

N.14°45'W. 10.00 chs. rocky beach.

N.19°W., 15.00 chs. Rocky beach.Bank 4 ft.high.

N.1°45'W. 23.70 chs. Rocky beach.

N.9°W. 15.00 chs. Rocky beach.

N.5°E. 2.70 chs.To the meander cor.of fracl.secs. 26 and 35.

Land,level beach sandy and rocky.

No vegetation.

Soil,sandy and rocky;4th rate.

Thence with meanders in sec.26.

Over level beach.Rocky.

N.8°30'W.,11.00 chs. Rocky beach .Bank 4 ft.high.

N.29°30'E. 7.50 chs.Rocky beach.

N.15°E. 3.80 chs.Rocky beach .Bank 5 ft.high.

N.0°30'E. 10.00 chs.Rocky beach

N.7°30'W. 11.00 chs. Rocky beach.Bank 3 ft.high.

N.43°W. 7.50 chs. Rocky beach.

N.57°W. 39.20 chs. Sandy beach.

N.17°10'W.11.80 chs. Sandy beach .Bank 4 ft.high.

At 9.40 chs.A small spring bears N.20 lks.dist.in box 10x2x2 ft., water does not run out.brackish but is drunk by cattle .about 4 ft.above lake level.

Chains

At 11.80 chs.the meander cor.of fracl.secs. 23 and 26.

Land,level sandy and rocky beach.

No vegetation.

Soil,sandy and rocky;4th rate.

Thence with meanders in sec.23.

Over level beach ,rocky.

N.21°30'W., 14.20 chs. Bank 8 ft.high,rocky.

N.27°45'W., 4.40 chs. Bank 7 ft.high,rocky.

N.38°30'W. 2.80 chs. Bank 6 ft.high,rocky.

N.58°45'W. 18.85 chs to the meander cor.of fracl.secs. 22 and 23.

Land,level.

Soil,rocky;4th rate.

No vegetation .

June 22,1918:At this cor.I set off 23°13'N.,on the decl.arc;and at 0 h 3 m p.m.,l.m.t.,I observe the sun on the meridian the resulting lat.is 40°54'N.,which is the proper lat.nearly.

Thence with meanders in sec.22.

Over level beach;through scattering sage brush and some grass.

N.24°30'W. 10.00 chs.Rocky beach .bank 6 ft.high.

N.10°30'W. 12.40 chs. Rocky beach .Bank 5 ft.high.

N.20°15'E. 9:70 chs. Rocky beach.Bank 5 ft.high.

N.8°45'W. 5.00 chs. Rocky beach .Bank 8 ft.high.

N.32°15'W. 13.00 chs. Rocky beach .Bank 4 ft.high.

N.22°E., 6.54 chs.To the meander cor.of fracl.secs.

Chains

15 and 22.

Land,level .

Soil,rocky and gravelly;3rd rate.

Undergrowth,scattering sage brush and some grass.

Thence with meanders in sec.15 .

Over level land.;scattering sage brush and some grass.

N.22°E., 6.20 chs.Rocky beach.Bank 8 ft.high.

N.10°45'W., 7.00 chs.Rocky beach.Bank 7 ft.high.

N.38°15'W. 20.00 chs.Rocky beach.Bank 6 ft.high.

N.12°W. 3.10 chs. Rocky beach.Bank 6 ft.high.

N.28°30'W. 20.00 chs. Rocky beach.Bank 6 ft.high.

N.8°E. 17.00 chs..Rocky beach.Bank 5 ft.high.

N.12°30'W. 5.00 chs. Rocky beach.Bank 5 ft.high.

N.27°30'W. 10.43 chs.To the meander cor.of fracl.secs.10 and 15.

Land,rocky beach all the way.

Soil,rocky;4th rate.

No timber.

Undergrowth,a few scattering sage brush.

Some grass.

Thence with meanders in sec.10 .

Over rocky beach.

N.34°W.,7.75 chs. Rocky beach.

N.24°15'E.15.10 chs. Rocky beach.

N.2°45'E. 18.20 chs. Rocky beach .

N.2°E. 9.20 chs. Gravelly and rocky beach.

N.7°45'W. 7.70 chs.

Chains	
	N.39°30'W., 4.20 chs. Rocky beach.4 ft.high.
	N.78°W., 7.20 chs. Rocky beach.
	N.66°30'W. 15.00 chs. Sandy beach.
	N.12°15'W. 8.20 chs. Sandy beach.
	N.32°15'W. 7.10 chs. The the meander cor.of fracl. sec.3 and 10.
	Land level.
	Soil,sandy and rocky;4th rate.
	No vegetation.

June 28,1913.

John R. Stewart
U.S.Surveyor.

GENERAL DESCRIPTION.

This township occupies the north half of Stansbury Island. It consists chiefly of a range of hills running north and South through the center of the township.The ridges slope to the north until they end in the lake at the extreme north end of the lake.The soil is mostly gravelly and rocky with some loam mixed with it.It produces a good grade of grasses.and a dense undergrowth of sage and greasewood.There are some scattering patches of cedar timber.

There are no settlers in the township and very little land suitable for cultivation.Although it is all valuable

as winter grazing land and is so used every winter by the people of Grantsville.

There are two small springs in the township, one on the east side of the township and one on the west side. These springs are small and not suitable for drinking except for stock.

Some prospecting for mineral has been carried on in sec/ 32, and a cabin and some other small improvements made; but they have been abandoned and no evidences of mineral in paying quantities were found.

John R Stewart
U.S. Surveyor.

June 22, 1917.

Robert D Dalton
U.S. Transitman.

~~Boundaries of T.2 N.,R.6 W.~~

Latitudes, departures and closing errors.

Line designated	Course	Distance. chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
W.bdy.T.2 N.,R.6	W.N.8°E.	45.00	44.56		6.26	
W.bdy.T.2 N.,R.6	W.N.22°W.	29.00	26.89			10.86
W.bdy.T.2 N.,R.6	W.North	8.48	8.48			
W.bdy.T.2 N.,R.6	W.N.2°15'E.	20.00	19.98		.79	
W.bdy.T.2 N.,R.6	W. N.1°W.	45.00	44.99			.79
W.bdy.T.2 N.,R.6	W.N.2°1.	14.34 chs	14.93		.52	
W.bdy.T.2 N.,R.6	W.N.10°45'E.	7.50	7.37		1.40	
W.bdy.T.2 N.,R.6	W.N.22°30'E.	26.60	24.57		10.18	
W.bdy.T.2 N.,R.6	W.N.46°00'E.	12.50	8.69		8.99	
W.bdy.T.2 N.,R.6	W.N.29°00'E.	45.00	39.36		21.82	
W.bdy.T.2 N.,R.6	W.N.27°45'W.	5.00	4.42			2.33
W.bdy.T.2 N.,R.6	W.N.65°E.	18.00	7.61		16.31	
W.bdy.T.2 N.,R.6	W.N.37°E.	36.60	29.23		22.03	
W.bdy.T.2 N.,R.6	W.N.3°E.	30.00	29.96		1.57	
W.bdy.T.2 N.,R.6	W.N.20°02'W.	9.30	8.74			3.19
W.bdy.T.2 N.,R.6	W.N.5°30'E.	7.90	7.86		.76	
W.bdy.T.2 N.,R.6	W.N.65°E.	4.50	1.90		4.08	
W.bdy.T.2 N.,R.6	W.S.78°E.	12.00	[illegible]	2.49	11.74	
W.bdy.T.2 N.,R.6	W.N.73°30'E.	13.70	3.89		13.13	
W.bdy.T.2 N.,R.6	W.N.54°30'E.	8.50 ch	4.94		6.92	
W.bdy.T.2 N.,R.6	W.N.40°30'E.	15.00	11.41		9.74	
W.bdy.T.2 N.,R.6	W.N.20°30'E.	20.30	19.01		7.11	
W.bdy.T.2 N.,R.6	W.N.15°W.	10.00	9.66			2.59
W.bdy.T.2 N.,R.6	W.N.9°W.	7.80	7.70			1.22
W.bdy.T.2 N.,R.6	W.N.9°15'E.	11.00	10.86		1.77	
W.bdy.T.2 N.,R.6	W.N.32°57'E.	6.24	5.24		3.39	
W.bdy.T.2 N.,R.6	W.N.32°30'E.	5.00	4.22		2.69	
W.bdy.T.2 N.,R.6	W.N.23°30'E.	4.54	4.17		1.81	
W.bdy.T.2 N.,R.6	W.N.20°E.	19.10	17.94		6.53	
W.bdy.T.2 N.,R.6	W.N.46°E.	5.00	3.47		3.60	
W.bdy.T.2 N.,R.6	W.S.83°30'E.	4.00		.45	3.97	
E.bdy.T.2 N.,R.6	W.S.37°E.	12.00		9.58	7.22	
E.bdy.T.2 N.,R.6	W.S.4°30'E.	7.00		6.98	.55	
E.bdy.T.2 N.,R.6	W.S.13°30'W.	11.00		10.70		2.57
E.bdy.T.2 N.,R.6	W.S.31°30'E.	2.44		2.08	1.27	
E.bdy.T.2 N.,R.6	W.S.32°15'E.	7.10		6.00	3.79	
E.bdy.T.2 N.,R.6	W.S.12°15'E.	8.20		8.01	1.74	
E.bdy.T.2 N.,R.6	W.S.66°30'E.	15.00		5.98	13.76	
E.bdy.T.2 N.,R.6	W.S.78°E.	7.20		1.50	7.04	
E.bdy.T.2 N.,R.6	W.S.39°30'E.	4.20		3.24	2.67	
E.bdy.T.2 N.,R.6	W.S.7°45'E.	7.70		7.63	1.04	
E.bdy.T.2 N.,R.6	W.S.2°W.	9.20		9.19		.32
E.bdy.T.2 N.,R.6	W.S.2°45'W.	18.20		18.18		.87
E.bdy.T.2 N.,R.6	W.S.24°15'W.	15.10		13.77		6.20
E.bdy.T.2 N.,R.6	W.S.34°E.	7.75		6.42	4.34	
E.bdy.T.2 N.,R.6	W.S.27°30'E.	10.43		9.25	4.82	
E.bdy.T.2 N.,R.6	W.S.12°30'E.	5.00		4.88	1.08	
E.bdy.T.2 N.,R.6	W.S.8°W.	17.00		16.83		2.38
E.bdy.T.2 N.,R.6	W.S.28°30'E.	20.00		17.58	9.54	
E.bdy.T.2 N.,R.6	W.S.12°E.	3.10		3.03	.65	
E.bdy.T.2 N.,R.6	W.S.38°15'E.	20.00		15.71	12.38	
E.bdy.T.2 N.,R.6	W.S.10°45'E.	7.00		6.88	1.31	
E.bdy.T.2 N.,R.6	W.S.22°W.	6.20		5.75		2.32
E.bdy.T.2 N.,R.6	W.S.22°W.	6.54		6.06		2.45
E.bdy.T.2 N.,R.6	W.S.32°15'E.	10.00		10.99	6.94	
E.bdy.T.2 N.,R.6	W.S.8°45'E.	5.00		4.94	.76	
E.bdy.T.2 N.,R.6	W.S.29°15'W.	8.70		7.59		4.25
E.bdy.T.2 N.,R.6	W.S.10°30'E.	12.40		12.19	2.26	
E.bdy.T.2 N.,R.6	W.S.24°30'E.	10.00		9.10	4.15	
E.bdy.T.2 N.,R.6	W.S.58°45'E.	18.85		9.78	16.12	
E.bdy.T.2 N.,R.6	W.S.33°30'E.	2.80		2.19	1.74	
E.bdy.T.2 N.,R.6	W.S.27°45'W.	4.40		3.89		2.05
E.bdy.T.2 N.,R.6	W.S.21°30'E.	14.20		13.22	5.20	
E.bdy.T.2 N.,R.6	W.S.17°10'E.	11.80		11.27	3.48	
E.bdy.T.2 N.,R.6	W.S.57°E.	39.20		21.35	32.88	
Partial totals			432.05	304.69	313.84	44.39

Boundaries of T.2 N. R.6 W.-Continued.

Latitudes departures, and closing errors -continued.

Line designated	Course	Distance.	Latitudes N.	Latitudes S.	Departures E.	Departures W
		chs.	chs.	chs.	chs.	chs.
Brought forward			432.05	304.68	313.84	44.39
E.bdy.T.2 N.,R.6 W.	S.43°E.	7.50		5.49	5.12	
E.bdy.T.2 N.,R.6 W.	S.7°30'E.	11.00		10.91	1.44	
E.bdy.T.2 N.,R.6 W.	S.0°30'W.	10.00		10.00		.09
E.bdy.T.2 N.,R.6 W.	S.15°W.	3.80		3.67		.98
E.bdy.T.2 N.,R.6 W.	S.39°30'W.	7.50		6.53		3.69
E.bdy.T.2 N.,R.6 W.	S.8°30'E.	11.00		10.88	1.63	
E.bdy.T.2 N.,R.6 W.	S.5°W.	2.70		2.69		.24
E.bdy.T.2 N.,R.6 W.	S.9°E.	15.00		14.82	2.35	
E.bdy.T.2 N.,R.6 W.	S.1°45'E.	23.70		23.69	.72	
E.bdy.T.2 N.,R.6 W.	S.13°E.	15.00		14.12	4.93	
E.bdy.T.2 N.,R.6 W.	S.14°45'E.	10.00		9.67	2.55	
E.bdy.T.2 N.,R.6 W.	S.4°E.	15.00		14.96	1.05	
S.bdy.T.2 N.,R.6 W.	West	284.70				284.70
Convergency					.21	
Totals			432.05	432.17	333.79	334.09
				432.05	333.79	333.79
Error in lat.				.12		
Error in dep.						.30

John R. Stewart
U.S. Surveyor.

Robert D. Dalton
U.S. Transitman.

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Page

4—680

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities tated opposite our several signatures, in surveying all those parts or portions of .....

For certificate of assistants see book "K" T.4 S., R.6 W.

f the ..... Meridian, in the State of .....

hich 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 aithfully executed.

NAME.	PERIOD OF SERVICE.		CAPACITY.
	BEGUN.	ENDED.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

U. S. Surveyor.

6—2764

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 oaths of U.S.Surveyor and Transitman see book "K" T.4 S., R. 6 W.

..... 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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 1915.

The foregoing field notes of the survey of the subdivisional and meander lines of Township No.2 North, Range No.6 West, of the Salt Lake Base and Meridian, Utah,

executed by John R.Stewart and Robert D.Dalton under ~~his~~ their special instructions dated April 10, 1913, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

N. C. Thoresen
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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U. S. Surveyor General's Office
APR 7 1914
SALT LAKE CITY, UTAH

BOOK 4-404

J.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

and

MEANDERS

of

Township No.1 South, Range No.5 West

Of the Salt Lake Base and *Meridian,*

the State of Utah

EXECUTED BY

John R. Stewart and Robert D. Dalton

and Transitman

the capacity of U. S. Surveyor, under instructions dated April 10, *1913.*

ued by the United States Surveyor General to govern surveys included in

oup No. 20 *, which were approved by the Commissioner of the General Land*

ice, April 28 *, 1913., pursuant to authority contained in the Act of*

ngress dated *, 191*

Survey commenced June 30, 1913. *, 191*

Survey completed July 5, 1913. *, 191*

Rec Subs — 4-75-44
Rec Subs — 1-30-00
Survey Subs — 10-17-00
[illegible]

BOOK A-404

INDEX DIAGRAM.

Township 1 South, *Range* 5 West

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Meanders Page 22 to 25

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Chains.

Survey commenced June 30, 1913, and executed with a Keuffel & Esser, light mountain transit, No.20037 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. Five chain tapes and clinometers were used. The instrument was examined, tested on the meridian at Salt Lake City, found correct and was approved May 2, 1913, by G.D.D. Kirkpatrick, Assistant Supervisor of Surveys.

I examine the adjustments of the instrument and correct the level and collimation arc, then, to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian established by Polaris observation, I proceed as follows:

At the cor. of secs. 4,5,32 and 33, on S. bdy. of Tp. latitude 40°40'51" N. longitude, 112°25'39" West, I set off 40°41'N. on the lat. arc, 23°11'N. on the decl. arc, and at 4 h. 4 m. p.m. l.m.t., I determine a meridian with the solar, and mark a point thereof on a stone firmly set in the ground, 5.00 chs. N. of the cor.

June 30, 1913.

July 1, 1913: At 0 h. 58 m. a.m. l.m.t., I observe Polaris at eastern elongation, in accordance with the Manual and mark a point in the line thus determined by a tack driven in a wooden plug set in the ground, 5.00 chs. N. of the cor.

At 7 h. 30 m. a.m. l.m.t., I lay off the azimuth of Polaris 1°31' to the west and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs. N. of the cor.; this mark falls 0.43 ins. east of the meridian established by the solar.

At 8 h. 4 m. a.m., l.m.t., I set off 40°41'N. on the lat. arc, 23°09'N. on the decl. arc, and determine a meridian with the solar, and mark a point thereof by a cross on the stone already set 5.00 chs. N. of the cor.; this mark

Chains.	
	falls 0.36 ins. east of the meridian established by Polaris observation.
	The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'23" west and 0'19" east of the meridian established by Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 8 h. 30 m.a.m. is N. 16°47'W., the angle thus determined, gives the mag. decl. 16°47'E.
	From the cor. of secs. 4,5,32 and 33 on S. bdy. of Tp. heretofore described I run
	North, on a retracement line bet. secs. 32 and 33.
40.00	Find no trace of the old cor.; set temp. ¼ sec. cor.
80.04	Fall 100 lks. E. of the cor., which is a decayed stake in old mound. I destroy the old cor. and re-establish it in same place.
	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, mkd. on brass cap: T 1 S R 5 W / S 29 | S 28 / S 32 | S 33 / 1913
	dig pits, 18x18x12 ins. in each sec. 5½ ft. dist. and raise mound of earth 4 ft. base, 2 ft. high, W. of cor.
	Thence I run:
	S 0° 43'E. on resurvey line bet. secs. 32 and 33.
40.02	Set an iron post, 3 ft. long, 1 in. in dia. 26 ins. in the ground, for ¼ sec. cor. mkd. on brass cap: ¼ S 32 | S 33 / 1913
	Dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
55.85	Western Pacific R.R. track, bears N. 69°W and S 69°E.
56.68	Western Union Telegraph line, bears N. 69°W. and S 69°E.
71.20	Road bears NE and SW.
80.04	The cor. of secs. 5, 6, 31 and 32.
	Land, level.
	Soil, clay containing a large amount of alkali and salt.

Chains	
	3rd rate.Subsoil,clay .
	No timber .
	No undergrowth.
	West,on a retracement line bet.secs.29 and 32.
40.00	Find no trace of the old cor.
80.20	Fall 133 lks.N.of the cor.of secs. 29,30,31,and 32,which is a greatly decayed post,with faint showing of pits and old mound.
	I destroy the old cor.and re-establish it in the same place as follows:
	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,mkd.on brass cap
	T 1 S R 5 W S 30 | S 29 S 31 | S 32 1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Thence I run
	N.89°03'E.,on re-survey line bet.secs.29 and 32.
	Over barren alkali flat.
38.40	Top of low sand ridge,10 ft.high;bears N.15°W.and S.15°E.
40.10	Find no trace of the old cor.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 29 xx S 32 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
80.20	The cor.of secs.28,29,32,and 33.
	Land,level.
	Soil,clay 3rd rate.no vegetation on account of large percentage of alkali and salt in soil.
	July 1,1913:At this cor.I set off 23°08'N.,on the decl. arc;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the

Chains

meridian,the resulting lat.is 40°42'N.,which is the proper lat.nearly.

Robert D. Dalton

U.S.Transitman.

Survey commenced July 1,1913,and executed with a Keuffel & Esser light mountain transit,No.20578,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 and declination arcs.

The instrument was examined,tested on the meridian at Salt Lake City,found correct,and was approved by G.D.D. Kirkpatrick,Assistant Supervisor,of Surveys.

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 p.m.and a.m.hours with a meridian established by Polaris observation,I proceed as follows:

At the cor.of secs. 5,6,31,and 32,on S.bdy.of Tp.,which is heretofore described.,latitude 40°40'51"N.,longitude 112° 26'47"west,I set off 40°41'N.,on the lat.arc;23°08'N.,on the decl.arc;and determine a meridian with the solar,at 4 h 4 m p.m.l.m.t.,and mark a point therof on a stone firmly set in the ground,5.00 chs.N.of cor.

July 1,1913.

July 2,1913:At 0 h 58 m a.m.,l.m.t.,I observe Polaris at eastern elongation,in accordance with the Manual,and mark a point in the line thus determined by a tack driven in

Chains	
	a wooden plug set in the ground,5.00 chs.N.of the cor.;
	At 7 h 30 m a.m.,l.m.t.,I lay off the azimuth of Polaris 1°31.5′ to the west and mark the meridian thus determined by cutting a small groove in the stone already set 5.00 chs.N.of the cor.;this mark falls 0.37 in.east of the mark determined by the solar.
	At 8 h 4 m a.m.,l.m.t.,I set off 40°41'N.,on the lat. arc;23°05'N.,on the decl.arc;and determine a meridian with the solar,and mark the meridian determined with the solar,by a cross on the stone already set 5.00 chs.N. of the cor.;this mark falls.0.35 ins.east of the meridian established by Polaris observation.
	The solar apparatus by p.m.and a.m.observations defines positions for meridians respectively about 0'19"west and 0'18"east of the meridian established by Polaris observation;therefore I conclude that the adjustments of the instrument are satisfactory.
	The magnetic bearing of the meridian at 8 h 30 m a.m., is N.16°50'W.,the angle thus determined gives the mag. decl.16°50'E.
	———
	From the cor.of secs29,30,31and 32,heretofore described I run
	South ,on a retracement line bet.secs.31 and 32.
40.00	Find no trace of the old cor.Set temp.½ sec.cor.
80.06	Intersect S.bdy.of Tp.,96 lks.W.of re-established cor. of secs.31 and 32.
	Thence I run
	N.0°40'W.,on a re-survey line bet.secs.31 and 32.
	Over level land;through dense undergrowth.
4.50	Leave undergrowth,bears E.and W.
25.00	Fence,bears N.26°30'E.and S.26°30'W.95 lks.to fence cor. the fence runs then N.74°40'W.
	Enter cultivated field.

~~Retracement and Resurvey Sub.T.1 S.,R.5 W.~~

Chains

40.03 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap

¼ S 31 | S 32
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

Note:I search diligently but fail to find old cor.It has probably been ploughed up.

Grant's Hotel bears N.47°00'W.

55.60 Western Union Telegraph line and wire fence,bears N.69° W.and S.69°E.

56.40 Western Pacific R.R.track,bears N.69°W.and S.69°E.

62.50 Enter barren land,bears E.and W.

80.06 The cor.of secs.29,30,31,and 32.

Grant's Station house bears S.55°50'W.

Water tank,bears S.60°W.

R.R.Bunk house bears S.47°25'W.

Section House bears S.43°15'W.

Land,gently rolling .

Soil,sand and sandy loam;3rd and 4th rate,

Undergrowth,greasewood and shadscales.

No timber.

Land covered with dense undergrowth,4.50 chs.

July 2,1913:At this cor.I set off 23°04'N.,on the decl. arc;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°42'N.,which is the proper lat.nearly.

West,on retracementline bet.secs.30 and 31.

40.00 No trace of the old cor.

77.52 Intersect W.bdy.of Tp.,129 lks.N.of the cor.of secs. 25,30,31,and 36,heretofore described.

Thence I run

N.89°03'E.,on a true line bet.secs.30 and 31.

Over nearly level land; no vegetation.

Chains	
13.62	Western Union Telegraph line, bears N.69°W. and S.69°E.
15.15	Western Union telegraph line, bears N.69°W. and S.69°E.
16.52	Western Pacific R.R. track, bears N.69°W. and S.69°E.
19.22	Side track, bears N.69°W. and S.69°E.
37.35	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor.. mkd. on brass cap ¼ S 30 S 31 1913 Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
77.52	The cor. of secs. 29, 30, 31, and 32. Land, level or nearly level. Soil, sandy and clay; 3rd rate. No vegetation on account of excess of alkali and salt.

North, on retracement line bet. secs. 29 and 30.

40.00	Fall 46 lks. E. of the old ¼ sec. cor. bet. secs. 29 and 30, which is a partly decayed post with traces of pits; I destroy the old cor. and re-establish it in the same place as follows: Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor.. mkd. on brass cap ¼ S 30 | S 29 1913 Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.; and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor.
80.00	Fall 93 lks. East of the old cor. of secs. 19, 20, 29, and 30, which is an old stake partly decayed, marks still visable traces of pits; I destroy the old cor. and re-establish it in the same place as follows: 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, mkd. on brass cap T 1 S R 5 W S 19 | S 20 S 30 | S 29 1913

Chains

dig pits,18x18x12 ins.,in each sec 5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

The course of this mile is therefore N.0°40'W.80.00 chs.

Land,level.

Soil,sandy 4th rate.alkali and salt.

Undergrowth a few scattering patches of greasewood.

West,on a retracement line bet.secs.19 and 30.

40.00 Find no trace of the old ½ sec.cor.

Set temp.½ sec.cor.

77.62 Intersect W.bdy.of Tp.,135 lks.N.of the cor.of secs.19,24, 25,and 30,heretofore described.

Thence I run

N.89°02'E.,re-survey line bet.secs.19 and 30

Level land;no vegetation.

27.10 Low sand ridge,10 ft.high,bears N.and S.

37.41 Set an iron post,3.ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 19
S 30
1913

Dig pits,18x18x12.ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

77.62 The cor.of secs.19,20,29,and 30.

Land,level,

Soil,clay.and sandy;3rd rate.

No vegetation on account of alkali and salt inxthe soil.

July,2,1913.

John R Stewart
U.S.Surveyor.

Chains	
	Survey Commenced July 3,1913,and executed with a Keuffel & Esser, light mountain transit,No.20578,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 and declination arcs.
	The instrument was examined,tested on the meridian at Salt Lake City,found correct,and was approved by G.D.D. Kirkpatrick, Assistant Supervisor of Surveys.
	Note :For test of instrument see notes of Retracement and Re-survey Sub.T.1 S.,R.5 W.,this book.
	At 8 h 4 m a.m.,l.m.t.,I set off 40°43'N.,on the lat. arc;23°00'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.19,20,29,and 30.
	Thence I run
	N.0°01'E.,bet.secs.19 and 20.
	Over barren alkali flat;
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 19 | S 20 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
80.00	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,mkd.on brass cap
	T 1 S R 5 W S 18 | S 17 S 19 | S 20 1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,oolitic sand;1 ft.deep.4th rate.Subsoil,clay.
	No vegetation on account of large quantity of alkali and salt in the soil.
	Note:Knowing that this line will not intersect W.bdy.of Tp.within limits;I run

Chains

West,on a true line bet.secs.18 and 19.

Over level land.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor.,mkd.on brass cap

½ S 18
S 19
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

77.68 Intersect W.bdy.of Tp.,1.29 chs.N.of the cor.of secs. 13,18,19,and 24,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,mkd.on brass cap

T 1 S
R 6 W | R 5 W
S 13 | C
C | S 18
S 24 | C | S 19
1913

Dig pits,24x18x12 ins.,N.and S.3 ft.and E.of post,7 ft. dist.;and raise a mound of earth,4 ft.base,2 ft.high, E.of cor.

Note :I destroy all marks on the cor.of secs.13,18,19,and 24 which pertain to secs.18 and 19.

July 3,1913:At this cor.I set off 22°59'N.,on the decl. arc;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.

N.0°01'E.,bet.secs.17 and 18.

Over level land.barren

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor. mkd.on brass cap

½ S 18 | S 17
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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,mkd.on brass cap

Chains

T 1 S R 5 W
S 7 | S 8
S 18 | S 17
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor. Land,level.

Soil,sand and clay;2 ft.deep,subsoil,sand.

No vegetation on account of alkali.

3 h 30 m p.m. July 3,1913.

July 5,1913:At 8 h 4 m.a.m.,l.m.t.,I set off 40°44'N., on the lat.arc.;22°50'N.,on the decl.arc;and determine a meridian with the solar,at the cor.of secs.7,8,17,and 18.

Thence I run

West,on a true line bet.secs.7 and 18.

Over level land;through a few scattering salt weeds.

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

¼ S 7
S 18
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,N.of cor.

77.65 Intersect W.bdy.of Tp.,1.27 chs.N.of the cor.of secs.7, 12,13,and 18,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. mkd.on brass capp

T 1 S
R 6 W | R 5 W
S 13 | C S 7
C S 18
S 13 |
1913

Dig pits,24x18x12 ins.,crosswise on each line,N.and S. 3 ft.and E.of post,7 ft.dist.;and raise a mound of earth, 4 ft.base,2 ft.high,E.of cor.

Chains

Note:I destroy all marks on the cor.of secs.7,12,13,and 18, which pertain to secs.7 and 18.

Land,level.

Soil,sandy ;4th rate.contains a large amount of alkali and salt.

No undergrowth.

N.0°01'W.,bet.secs.7 and 8.

Over barren flat.

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

¼ S 7 | S 8
1913

Dig pits,18x18x12 ins.N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

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,mkd.on brass cap

T 1 S R 5 W
S 6 | S 5
S 7 | S 8
1913

Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

Land,level.

Soil,sandy ;4th rate.

No vegetation on account of the large amount of alkali and salt in the soil.

July 5,1913:At this cor.I set off 22°49'N.,on the decl. arc;and at 0 h.4 m p.m.lm t.,I observe the sun on the meridian the resulting lat.is 40°45'N.,which is the proper lat.nearly.

East,on a true line bet.secs. 5 and 8.

Over level land;

18.00 West shore of Great Salt Lake,3.0 chs.from water.

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

Chains	
	ground,for meander cor.of fracl.secs.5 and 8,mkd.on brass cap
	T 1 S R 5 W S 5 S 8 M C 1913
	Dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,sandy and clay loam;4th rate.
	No vegetation on account of the large amount of alkali and salt in the soil.
	West,on a true line bet.secs.6 and 7.
	For reasons already explained.
	Over barren flat.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ¼ sec.cor..mkd.on brass cap
	¼ S 6 S 7 1913
	Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.
77.67	Intersect W.bdy.of Township 1.20 chs.N.of the cor. of secs.1,6,7,and 12,heretofore desceibed.
	Set an iron post,3 ft.long,2 ins.in dia.,24 ins.in the ground,for closing cor.of secs.6 and 7,mkd.on brass cap
	T 1 S

Sub.T.1 S.,R.5 W.-Continued.

Chains

T 1 S R
R 6 W. R.5 W.
S 1 | C S 6
C S 7
S 12

1913

Dig pits,24x18x12 ins.,crosswide on each line,N.and S. 3 ft.and E.of post,7 ft.dist.;and raise a mound of earth, 4 ft.base,2 ft.high,E.of cor.

Note:I destroy all marks on the cor.of secs.1,6,7,and 12, which pertains to secs.6 and 7.

Land,level.

Soil,sandy ;4th rate.

No vegetation on account of the large amount of alkali in the soil,

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N.0°01'E.,bet.secs.5 and 6.

Over level land.

40.00 Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap

½ S 6 | S 5

1913

Dig pits,18x18x12 ins.,W.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

55.00 West shore of Great Salt Lake,

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.5 and 6,mkd.on brass cap

T 1 S R 5 W.

M C
S 6 | S 5

1913

Dig a pit,36x36x12 ins.S.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,S.of cor.

Land,level.

Soil,sand and clay ;4th rate.

No vegetation on account of the large amount of alkali in the soil.

July 5,1913. John R. Stewart
U.S.Surveyor.

Chains.

Survey commenced July 1, 1913, and executed with a Keuffel & Esser light mountain transit No.20037, 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 examined, tested on the true meridian at Salt Lake City, found correct, and was approved by G.D.D.Kirkpatrick, Assistant Supervisor of Surveys.

For test of instrument see notes of retracement of subdivision of T.1 S., R.5 W., this book.

July 1, 1913: At 2h p.m., from the cor.of secs.28,29, 32 and 33, re-established this day, I run

East bet.secs.28 and 33,

Over level land; no vegetation.

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

¼ S 28
S 33
1913

Dig pits 18 x 18 x 12 ins.E.and W.of post 3 ft.dist.; and raise a mound of earth 3½ ft.base, 1½ ft.high N. of cor.

48.30 West shore of Great Salt Lake,

Set an iron post 3 ft.long, 2 ins.in dia., 24 ins.in the ground, for meander cor.of fracl.secs.28 and 33, mkd. on brass cap

T 1 S R 5 W
S 28
S 33 MC
1913

Dig a pit 36 x 36 x 12 ins.W.of post, 8 ft.dist.; and raise a mound of earth,4 ft.base, 2 ft.high W.of cor.

Land, level.

Soil, sandy and clay; 4th rate.

No vegetation on account of the large amount of alkali and salt in the soil. July 1, 1913.

Chains. July 2, 1913: At 8h 4m a.m.l.m.t., I set off 40°42'N. on the lat.arc; 23°05'N.on the decl.arc; and determine a meridian with the solar at the cor.of secs.28, 29,32, and 33. Thence I run

North on a random line bet.secs.28 and 29,

40.00 Set temp.$\frac{1}{4}$ sec.cor.

80.00 Set temp.cor.of secs.20,21,28, and 29Thence I run

West, on a random line bet.secs.20 and 29,

40.00 Set temp.$\frac{1}{4}$ sec.cor.

81.23 Intersect N.and S.line 125 lks.N.of the cor.of secs.19, 20,29, and 30.

The falling is out of limits; therefore I begin at the cor.of secs.19,20,29, and 30, and run

East on a true line bet.secs.20 and 29,

Over level land; through greasewood.

40.00 Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor.for sec.20 only, mkd.on brass cap

$\frac{\frac{1}{4}\ S\ 20}{1913}$

Dig pits 18 x 18 x 12 ins.E.and W.of post 3 ft.dist.; and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N. of cor.

41.23 Set an iron post 3 ft.long, 1 in.dia., 26 ins.in the ground, for $\frac{1}{4}$ sec.cor.sec.29 only, mkd.on brass cap

$\frac{1913}{\frac{1}{4}\ S\ 29}$

Dig pits 18 x 18 x 12 ins.E.and W.of post 3 ft.dist. and raise a mound of earth $3\frac{1}{2}$ ft.base, $1\frac{1}{2}$ ft.high N. of cor.

81.23 Intersect random line from the south 125 lks.S.of the temp.cor.of secs.20,21,28 and 29. At intersection I

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,mkd.on brass ca

T 1 S	R 5 W
S 20	S 21
S 29	S 32

Dig pits 18 x 18 x 12 ins.in each sec.$5\frac{1}{2}$ ft.dist.;and raise a mound of earth, 4 ft.base, 2 ft.high W.of cor.

1913

Land level. Soil, clay and sandy; 3rd and 4th rate. Undergrowth, scattering greasewood. No timber.

Chains

South,on a true line bet.secs.28 and 29.

Over barren alkali flat.

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

¼ S 29 | S 28
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.

78.75 The cor.of secs.28.29,32,and 33.

Land,level.

Soil,sandy and clay;4th rate.

No undergrowth,on account of alkali and salt in the soil.

July 2,1913:At this cor.I set off 23°04'N.,on the decl. arc;and at 0 h 4.m p.m.,l.m.t.,I observe thesun on the meridian the resulting lat.is 40°42'N.,which is the proper lat.nearly.

East,on a true line bet.secs.21 and 28.

Over level land.

No vegetation.

9.30 West shore of Great Salt Lake

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.21 and 28.

mkd.on brass cap

T 1 S R 5 W
S 21
S 28 M C
1913

Dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,sandy ;3rd rate.

No vegetation.

July 2,1913.

Chains	
	July 3,1913:At 8 h 4 m a.m.,l.m.t.,I set off 40°43'N., on the lat.arc;23°00'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
	N.0°02'E.,bet.secs.20 and 21.
	Over barren flat.
40.00	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for ½ sec.cor..mkd.on brass cap
	½ S 20 | S 21 1913
	Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of cor.
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,mkd.on brass cap
	T 1 S R 5 W S 17 | S 16 S 20 | S 21 1913
	Dig pits,18x18x12 ins.,in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.
	Land,level.
	Soil,clay and sandy;3rd rate.alkali.
	No undergrowth.
	No timber.
	East,on a true line bet.secs.16 and 21.
	Overlevel land.
22.20	The west shore of Great Salt Lake.
	Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.16 and 21,mkd.on brass cap
	T 1 S R 5 W S 16 S 21 M C 1913
	dig pit,36x36x12 ins.W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Chains

Land,level.

Soil,sandy and clay;4th rate.

Alkali and salt.

July 3,1913:At this cor.I set off 23°59'N.,on the decl. arc;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.

Robert D.Dalton
U.S.Transeitman.

July 3,1913:
West,on a random line bet.secs.17 and 20.

40.00 Set temp.¼ sec.cor.

81.25 Intersect N.and S.line,2 lks.N.of the cor.of secs.17,18, 19,and 20.

Thence I run
N.89°59'E.,on a true linebet.secs.17 and 20.
Over level land;

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

¼ S 17
S 20
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

81.25 The cor.of secs.16,17,20,and 21.

Land,level.

Soil,sandy saturated with alkali;4th rate.

No vegetation.

John R.Stewart
U.S.Surveyor.

July 3,1913.
N.0°02'E.,bet.secs.16 and 17.
Over barren flat.

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

Chains

ground,for ¼ sec.cor..mkd.on brass cap

½ S 17 | S 16
1913

Dig pits,18x18x12 ins.,N.and S.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,W.of pos.

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,mkd.on brass cap

T 1 S R 5 W
S 8 | S 9
S 17 | S 16
1913

dig pits,18x18x12 ins. in each sec.5½ ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay and sandy ;4th rate.

No vegetation on account of the large amount of alkali in the soil,

Robert D. Dalton
U.S.Transitman.

July 3,1913:

S.89°59'W.,on a random line bet.secs.8 and 17.

40.00 Set temp.½ sec.cor.

81.27 Intersect N.and S.line,14 lks.N.of the cor.of secs. 7, 8, 17,and 18.

Thence I run

N.89°53'E.,on a true line bet.secs.8 and 17.

Over barren flat.

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

½ S 8
S 17
1913

Dig pits,18x18x12 ins.,E.and W.of post,3 ft.dist.;and raise a mound of earth,3½ ft.base,1½ ft.high,N.of cor.

81.27 The cor.of secs.8,9, 16,and 17.

Land,level.

Soil,sandy and alkali;4th rate.

Chains

no vegetation.

July 3,1913.

John R Stewart

U.S.Surveyor.

July 3,1913:

East,on a true line bet.secs.9 and 16.

Over level land.No undergrowth.

16.60 West shore of Great Salt Lake .

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.9 and 16,mkd.on brass cap

T 1 S R 5 W

S 9 | M C

S 16

1913

Dig a pit,36x36x12 ins.,W.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,W.of cor.

Land,level.

Soil,clay and sand;3rd rate.

No vegetation on account of alkali.

N.0°02'E.,bet.secs.8 and 9.

Over level land.

12.10 West shore of Great Salt Lake.

Set an iron post,3 ft.long,1 in.in dia.,26 ins.in the ground,for meander cor.of fracl.secs.8 and 9;mkd.on brass cap

T 1 S R 5 W

M C | S 9

S 8

1913

Chains

Dig a pit,36x36x12 ins.,S.of post,8 ft.dist.;and raise a mound of earth,4 ft.base,2 ft.high,S.of cor.

Land,level.

Soil ,clay and sandy;3rd rate.

No vegetation on account of alkali.

July 3,1913.

Robert D. Dalton

U.S.Transitman.

Meanders in T.1 S.,R.5 W.

July 5,1913;At 8 h 4 m a.m.,l.m.t.,I set off 40°41'N.,on the lat.arc;22°50'N.,on the decl.arc;and determine a meridian,with the solar,at the meander cor.of fracl. secs.4 and 33.

Thence with meanders in sec.33.

Over level land.no vegetation.

N.3°15'W. 28.10 chs.

N.30°W. 60.00 chs.to the meander cor.of fracl.secs. 28 and 33. about 5.00 chs.from the water.

Land,level.

Soil,oolitic sand and clay;4th rate.

No vegetation on account of alkali.

Thence with meanders in sec.28.

Over level beach.no vegetation.

N.23°15'W. 48.30 chs. about 1 ft.above water.

Chains

N.30°W.,40.00 chs.to the meander cor.of fracl.secs. 21 and 28.about 5.0 chs.from waters edge.Bank about 1 ft.above water.

Land,level.

Soil,sandy and clay;4thrate

No vegetation on account of alkali.

Thence with meanders in sec.21.

Level land.

N.0°45'E. 10.00 chs.

N.47°45'E. 30.00 chs.Bank 2 ft.high.

N.10°45'W. 50.70 chs. to the meander cor.of fracl. secs.16 and 21.Sandy beach about 5.00 chs.from water all the way.

Land level.

Soil,sandy ;4th rate..salty.

No vegetation.

July 5,1913;At this cor.I set off 22°49'N.,on the decl. arc;and at 0 h 4 m p.m.,l.m.t.,I observe the sun on the meridian,the resulting lat.is 40°43'N.,which is the proper lat.nearly.

Thence with meanders in sec.16.

Over level land;and sandy beach about 5.00 chs.from the water.

N.4°W. 80.20 chs. to the meander cor.of fracl.secs.9 and 16.Sandy beach about 5.00 chs.from the water ,and about 18 ins.above water.

Land,level.

Soil,sandy ;4th rate.

No vegetation on account of alkali and salt.

Chains

Thence with meanders in sec.9.
Over level land; about 6 chs.from the water.
N.54°W. 20.55 chs. to the meander cor.of fracl.secs.
8 and 9.Sandy beach about 2 ft.
above water.and about 6.00 chs.
from the water.
Land,level.
Soil,sandy and clay;4th rate.
No vegetation on account of the large amount of salt
and alkali in the soil.

Thence with meanders in sec.8.
Over level land.
N.37°W. 20.00 chs.
N.51°15'W.,45.00 chs.
N.34°W., 23.53 chs.;to the meander cor.of fracl.
secs.5 and 8.Sandy beach about
1 ft.above water and about 10.00 chs.
from water's edge.
Land,level beach.
Soil,sandy ;4th rate.
No vegetation on account of the salt and alkali.

Thence with meanders in sec.5.

Chains

Over level beach.

N.37°W.,13.90 chs.

N.8°E. 20.00 chs.

N.27°W.,27.10 chs. to the meander cor.of fracl.secs. 5 and 6.

Sandy beach about 8.00 chs.from the water.

Land,level.

Soil,sandy;4th rate.

No vegetation on account of the salt and alkali in the soil.

Thence with meanders in sec.6.

Over level beach.

N.54°15'W. 49.70 chs. to the Meander cor.of fracl.sec. 36,T.1 N.,R.6 W.

Land,level.

Soil,sandy ;;4th rate.

Subsoil,clay.

No vegetation on account of the large amount of salt and alkali in the soil.

July 5,1913.

Robert D. Dalton

U.S.Transitman.

Sub.T.1 S.,R.5 W.

General Description;

This fractional township is all level valley being in the north end of Tooele Valley and lying along the west shore of Great Salt Lake. The land is from 1 ft. to 20 ft. above the level of the lake and much of it is barren on account of being so near the lake level that it retains such a large percentage of alkali and salt that it cannot support vegetation.

The only vegetation is greasewood and shadscales which is in patches scattered over the south end of the township; the north end in nearly all barren.

There is no water except the lake water, and at Grant's station, but it is pumped there from a well about 2½ miles south of the station.

Frank Burmister has a dry farm and home in Secs. 31 and 32, his improvements consist of about $1500.00. He is the proprietor of the Grant's Hotel which is in connection with his home near Grant's Station. There are no other settlers in the township.

The Western Pacific Railroad runs across the south end of the township, east and west; and Grant's Station is in sec. 31; nearest station to Grantsville which is seven miles south. The Western Union Telegraph line parallels the railroad.

July 5, 1913.

John R Stewart
U.S. Surveyor.

Robert D. Dalton
U.S. Transitman.

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of .....

For certificate of assistants see book "K" T.4 S., R.6 W.

of the ..... Meridian, in the State of .....

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.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

U. S. Surveyor.

6—2764

FINAL OATH OF UNITED STATES SURVEYOR.

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

For final oaths of U.S.Surveyor and Transitman see book "K" T.4 S.,
6 W.
..... 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 furtl
solemnly swear that all the corners of said survey have been established and perpetuated in strict acco
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 t
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

SEAL

.....
.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 191

The foregoing field notes of the survey of the subdivisional and meander line
of Township No.1 South, Range No.5 West of the Salt Lake Base and M
ridian, Utah,
.....
.....
.....
.....

executed by John R.Stewart and Robert D.Dalton
under ~~his~~ their special instructions dated April 10, 191 3, having b
critically examined, and the necessary corrections and explanations made, the said field notes, and
surveys they describe, are hereby approved.

.....
U. S. Surveyor Genera

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 offic

.....
U. S. Surveyor Genera

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4—679

BOOK A-404

Book "T"

U. S. Surveyor General's Office
APR 9 1914
SALT LAKE CITY, UTAH.

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION

OF

T.3 N., R.10 W.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

Howard W. Miller
&
Robert E. Clark

In the capacity of U. S. Surveyor and Transitman *under instructions dated* April 10, *1913*, *issued by the United States Surveyor General to govern surveys included in Group No.* 21, *which were approved by the Commissioner of the General Land Office,* April 23, *1913*, *pursuant to authority contained in the Act of Congress dated* ....., *191*....

Survey commenced June 27, *1913*

Survey completed July 5, *1913*

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Subdivisions 60-08-33

BOOK A-404

INDEX DIAGRAM.

Township 3 North, *Range* 10 West

6 59 58	5 42 57	4 32 41	3 23 31	2 11 21	1 10
7 56 55	8 40 54	9 30 39	10 20 30	11 9 19	12 8
18 53 52	17 38 51	16 29 37	15 18 28	14 7 18	13 6
19 50 49	20 36 48	21 27 36	22 17 26	23 5 16	24 4
30 47 46	29 35 45	28 25 34	27 15 24	26 3 15	25 2
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Subdivision of T.3 N., R.10 W.

chains

Survey commenced June 27 , 1913 and executed with a Young and sons light mountain transit No. 8147. For complete description and test of instrument see book "A" of this survey.

I examine the adjustments of the transit and correct the level and collimation errors ; then , to test the solar apparatus , by comparing its indiacations , resulting from solar observations made during a. m. and p. m. hours , with a meridian determined by observations made on Polaris , I proceed as follows:

Note: Continuous storm of rain prevented field work June 26 , and the sky was overcast the entire night of the same date , thus preventing me from making an observation on Polaris at the cor. of secs. 1 , 2 , 35 and 36. In order that I may not hinder the progress of the field work , I test the instrument on a Polaris meridian established at my camp near the cor. of secs. 15 , 16 , 21 ,and 22 , T.2 N.,R.10 W , June 18,(for method of obtaining this meridian see subdivision of T.2 N.,R.10 W); by morning and afternoon observations at the beginning and end of this days work.

At 7 h. 00 m. a. m. l. m. t., I place my instrument on the above described Polaris meridian , set off 40°54' on the lat. arc ; 23° 22' N., on the decl. arc ; and determine a meridian with solar. This meridian falls on the Polaris meridian determined June 18.

At 5 h. 03 m. p. m. l. m. t., I again place the instrument on the above described meridian ; set off 40°54' on the lat. arc ; 23° 21' N., on the dec. arc ; and determine a meridian with the solar. This meridian also falls on the Polaris meridian ; I therefore conclude that the adjustments of the instrument are satisfactory. I will however , as often as I have the opportunity , test the instrument on Polaris meridians during the progress of the survey.

Subdivision of T.3 N.,R.10 W.

chains

From the cor. of secs. 1 , 2 , 35 and 36 on the S. bdy. of the tp. heretofore described.

I run.

N.0°05'E., bet. secs. 35 and 36

Over level ground covered with short undergrowth of shadscale and greasewood.

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 $\frac{1}{4}$ 35	S 36
1913	

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , W. of cor.

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 3 N S 26	R 10 W S 25
S 35	S 36
1913	

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist. raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , level.

Soil , light , dry , fine , warm sandy clay , slightly baked and mixed with alkali on hard , dry , friable sandy clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and some greasewood about 3 ft. high.

N.89°50'E., on a random line bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of T.3 N.,R.10 W.

chains	
79.95	Intersect E. bdy. of the tp. 5 lks. N. of the cor. of secs. 25 , 30 , 31 and 36 heretofore described.
	Thence
	S.89°52'W., on true line bet. secs. 25 and 36.
	Over nearly level land covered with short undergrowth of shadscale and scattering greasewood.
1.15	Wagon road , bears N. and S.
39.97½	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 25 / ¼ / S 36 / 1913
	dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , N. of cor.
79.95	The cor. of secs. 25 , 26 , 35 and 36.
	Land , nearly level .
	Soil , light , dry , fine , warm sandy clay , very hard and baked , on hard , dry , friable clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale and some scattering greasewood , about 3 ft. high.

	N.0°05'E., bet. secs. 25 and 26.
	Over level ground covered with short shadscale and scattering greasewood undergrowth.
40.00	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 26 ¼ | S 25 / 1913

Subdivision of T.3 N., R.10 W.

chains

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , W. of cor.

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

T 3 N S 23	R 10 W S 24
S 26	S 25

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high W. of cor.

Land , level.

Soil , light , dry , warm sandy clay , mixed with alkali on hard , dry , friable clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and scattering greasewood about 3 ft. high.

N.89°52'E., on a random line bet. secs. 24 and 25

40.00 Set temp. ¼ sec. cor.

79.89 Intersect E. bdy. of the tp. 2 lks. S. of the cor. of secs. 19 , 24 , 25 and 30 , heretofore described.

Thence

S.89°51'W., on true line bet. secs. 24 and 25.

Over level land covered with short undergrowth of shadscale , salt sage and white sage.

4.80 Wagon road , bears N. and S.

39.94½ Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 24
¼

S 25
1913

Subdivision of T.3 N., R.10 W.

chains

dig pits , 18 x 18 x 12 ins.,E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , N. of cor.

79.89 The cor. of secs. 23 , 24 , 25 and 26.

Land , level.

Soil , light , dry , warm sandy clay , slightly baked and containing some alkali on hard , dry friable clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , considerable short shadscale , salt sage and white sage.

N.0°05'E., bet. secs. 23 and 24

Over nearly level ground covered with short undergrowth of shadscale , salt sage and white sage.

40.00 Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S ¼ 23	S 24

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , W. of cor.

65.00 Begin gradual descent over land sloping N.

80.00 Set an iron post , 3 ft. long , 2 ins.in dia., 24 ins. in the ground for cor. of secs. 13 , 14 , 23 and 24 , with brass cap marked

T 2 N S 14	R 10 W S 13
S 23	S 24

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist. , raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Subdivision of T.3 N.,R.10 W.

chains	
	Land , gently rolling.
	Soil , light , dry , sandy clay containing some alkali , on hard , dry , baked clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , considerable short shadscale , salt sage and white sage.
	June 27: At this sec. cor., I set off 23°21' N., on the decl. arc ; and at 12 h. 03 m. p. m. l. m. t., observe the sun on the meridian ; the resulting lat. is 40°59'59"

	N.89°51'E., on a random line bet. secs. 13 and 24
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.87	Intersect E. bdy. of the tp. at the cor. of secs. 13 , 18 , 19 and 24 , heretofore described
	Thence
	S.89°51'W., on true line bet. secs. 13 and 24.
	Over slightly rolling land covered with short undergrowth of shadscale , salt sage and white sage.
16.67	Wagon road , bears N. and S.
39.93½	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 13 $\frac{1}{4}$ --- S 24 1913
	dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , N. of cor.
79.87	The cor. of secs. 13 , 14 , 23 and 24.
	Land , rolling with a gentle SW. exposure.
	Soil , light , dry , fine , warm sandy clay slightly baked and containing some alkali , on a hard , dry , friable clay sub-soil ; 2 nd. rate.
	No timber.

Subdivision of T.3 N.,R.10 W.

chains

Undergrowth , considerable short shadscale , salt sage and white sage about 1 ft. high.

N.0°05'E., bet. secs. 13 and 14

Gradually ascend over gently rolling land coverd with short undergrowth of shadscale , salt sage and white sage.

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 $\frac{1}{4}$ 14	S 13

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high , W. of cor.

70.00 Begin ascent over rolling ground sloping S.

80.00 Set an iron post , 3 ft. long , 2 ins. in dia., 24 ins. in the ground for cor. of secs. 11 , 12 , 13 and 14 , with brass cap marked

T 3 N S 11	R 10 W S 12
S 14	S 13

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , rolling with a general S. exposure.

Soil , light , dry , warm sandy clay , containing some alkali , on a hard , dry sandy clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , considerable short shadscale , white sage and salt sage.

Subdivision of T.3 N., R.10 W.

chains

N.89°51'E., on a random line bet. secs. 12 and 13

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.92 Intersect E. bdy. of the tp. at the cor. of secs. 7 , 12 , 13 and 18 ,heretofore described.

Thence

S.89°51'W., on true line bet. secs. 12 and 13

Over rolling land covered with short undergrowth of shadscale and salt sage.

10.00 Base of mountain ridge , bears NW. and SE.

Ascend over rolling mountainous land.

14.50 Wagon road , bears N.20°W. and S.20°E.

25.50 Ascend gradually.

35.50 Top of ridge , 50 ft. high , bears NW. and SE.

Descend.

39.96 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 12
$\frac{1}{4}$

S 13
1913

dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , N. of cor.

44.00 Base of mountain , 40 ft. below top of ridge , bears NW. and SE.

Thence over rolling ground sloping S.

79.92 The cor. of secs. 11 , 12 , 13 and 14.

Land , rolling and mountainous lying at the S. end of low ridge and having a general S. drainage.

Soil , light , sandy clay and some gravel on hard clay and gravel sub-soil ; 3 rd. rate.

No timber.

Undergrowth , short shadscale and salt sage , about 1 ft. high. Some short bunch grass , good for grazing purposes.

Mountainous land ,34.00 chs.

Subdivision of T.3 N.,R.10 W.

chains

June 27 , 1913

July 3 : At 8 h. 04 m. a. m. l. m. t., I set off 41°00' on the lat. arc ; 23°05' N., on the decl. arc ; and determine a meridian with the solar at the cor. of secs. 11 , 12 , 13 and 14

Thence I run

N.0°05'E., bet. secs. 11 and 12

Gradually ascend over rolling ground , through short undergrowth of shadscale and salt sage.

39.40 Wagon road , bears NE. and SW.

39.20 Wagon road , bears NW. and SE.

40.00 Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 11 ¼ | S 12
1913

dig pits , 18 x 18 x 18 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3 ft. base , 1½ ft. high , W. of cor.

48.00 Leave rolling land , enter mountainous land , bears NW. and SE.

Ascend.

57.40 Spur , 135 ft. above sec. cor., projects NW.

Descend.

73.40 Hollow , 60 ft. deep , course SW.

Ascend 30 ft. to

80.00 Set an iron post , 3 ft. long , 2 ins. in dia., 24 ins. in a mound of stone and earth , 4 ft. base , 2 ft. high for cor. of secs. 1 , 2 , 11 and 12 , with brass cap marked

T 3 N S 2 | R 10 W S 1
S 11 | S 12
1913

chains	
	raise a mound of stone , 2 ft. base , 1½ ft. high , W. of cor.
	Note: On account of natural obstacles I am unable to set post in the ground.
	Land ,S. 48 chs., rolling ground , N.32 chs. mountainous.
	General drainage to the S.
	Soil of rolling land , generally light , dry , fine sandy clay mixed with gravel on sandy and clay sub-soil ; 2 nd. rate. Soil of mountainous part , gravelly and rocky on rocky sub-soil ; 4 th. rate.
	No timber.
	Undergrowth , short shadscale and salt sage about 1 ft. high.
	Mountainous land , 32.00 chs.
	N.89°51'E., on a random line bet. secs. 1 and 12
40.00	Set temp. ¼ sec. cor.
80.04	Intersect E. bdy. of the tp. at the cor. of secs. 1 , 6 , 7 and 12 heretofore described
	Thence
	S.89°51'W., on true line bet. secs. 1 and 12
	Over rolling land through short undergrowth of shadscale.
	Gradually ascend.
16.05	Wagon road , bears NW. and SE.
38.10	Wagon road , bears N.10°W. and S.10°E.
40.02	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 1
¼

S 12
1913

dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , N. of cor.

Subdivision of T.3 N.,R.10 W.

chains	
40.55	Leave rolling land , enter mountainous land , bears N. and S.
	Ascend.
73.30	Ridge , 75 ft. above base of mountain , bears N. and S.
	Descend 50 ft. to
80.04	The cor. of secs. 1 , 2 , 11 and 12
	Land , rolling and mountainous. E.40.55 chs. rolling land , W. 39.55 chs., mountainous land. General drainage of country to the S.
	Soil , generally gravelly and sandy clay with occasional patches of rocks on sandy and gravelly sub-soil ; 2 nd rate. Considerable gravelly and rocky soil on W. 30 chs.
	No timber.
	Undergrowth , short shadscale . Some rich , short bunch grass good for grazing purposes.
	Mountainous land on 39.50 chs.

	N.0°05'E., on a random line bet. secs. 1 and 2
40.00	Set temp. ¼ sec. cor.
79.86	Intersect N. bdy. of the tp. 11 lks. W. of the cor. of secs. 1 , 2 , 35 and 36 heretofore described.
	Thence
	S.0°10'W., on true line bet. secs. 1 and 2.
	Gradually ascend over rolling bench land covered with short undergrowth of shadscale and salt sage.
39.86	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked S 2 ¼ | S 1 1913
	dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , W. of cor.
52.75	Top of ridge , 100 ft. high , bears NW. and SE.

Subdivision of T.3 N., R.10 W.

chains

Gradually descend over SW. slope of ridge.

79.26 The cor. of secs. 1 , 2 , 11 and 12

Land , rolling bench land and mountainous., draining NE. on N. 52.75 chs. and SW. on S.27.11 chs.

Soil , with the exception of the S. 27 chs. is generally gravelly and sandy of good quality on gravel and sand sub-soil ; 2 nd. rate. S. 27 chs. rocky soil.

No timber.

Undergrowth , short shadscale. Considerable short bunch grass good for grazing purposes.

Mountainous land , 27 chs.

July 2 : At this sec. cor., I set off 23°03' N., on the decl. arc ; and at 12 h. 04 m. p. m. l. m. t., observe the sun on the meridian ; the resulting lat. is 41°01'.

Howard W. Miller

U. S. Surveyor.

Survey commenced June 28 , 1913 and executed with a Young and sons light mountain transit No. 7147 . For complete description and test of instrument see book "A" of this survey.

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 established by observations made on Polaris , I proceed as follows :

At my camp which is situated near the cor. of secs. 16 , 17 , 20 and 21 in this tp., approximate lat. 40° 59' N., longitude 112° 59' W., I set off 40°59' on the lat. arc ; 23°18'N., on the decl. arc; and at 5 h.03 m. p, m. l. m. t., determine with the solar a meridian and mark a point thereof on a nail driven in a hub set firmly in the ground about 5 chs. N. of the station.

Subdivision of T.3 N.,R.10 W.

chains

At 8 h. 04 m. p. m. l. m. t., I make an hour angle observation on Polaris in accordance with the Manual of Instructions and mark the direction of the line thus determined by driving a nail in a hub , set firmly in the ground , about 5 chs. N. of the station.

Astron. time of obsn. June 28 , 1913	8 h. 04 m.p.m.
Equivalent to time of June 27	32 h. 04 m.
U. C. Polaris June 28 , 1913 , or astron. time of U. C. Polaris June 27 , corrected for long. 113° W.	19 h. 03 m.
Hour angle of Polaris at obsn.	13 h. 01 m.
Subtract from	23 h. 56.1 m.
Time argument	10 h. 55.1 m.
Azimuth of Polaris at obsn.	0° 24.5'E.

June 28 , 1913

June 29 : At 7 h. 03 m. a. m., I lay off the azimuth of Polaris 0° 25' to the west and find that this meridian falls on the solar meridian of June 28 .

At 7 h. 18 m. a. m. l. m. t., I set off 40°59' on the lat. arc ; 23°16' N., on the decl. arc ; and determine a meridian with the solar. This meridian falls about 1' to the right of the Polaris meridian. I make several other solar observations , some of them fall to the left and some to the right of the Polaris meridian. I therefore conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 7 h. 20 m. a. m. is N.17°30'W., the angle thus determined gives the magnetic decl. 17°30'E.

From the cor. of secs. 2 , 3 , 34 and 35 on the S. bdy. of the tp., heretofore described ,

I run

N.0°04'E., bet. secs. 34 and 35.

Subdivision of T.3 N.,R.10 W.

chains	
	Over rolling land , ascending S. face of low hill covered with short undergrowth of shadscale.
6.00	Low ridge , 40 ft. high , bears N.85°W. and S.85°E. Descend abruptly.
11.00	Base of hill , bears E. and W.
	Thence over nearly level land covered with short undergrowth of shadscale , salt sage and considerable grease-wood about 3 ft. high.
27.45	Wagon road , bears NW. and SE.
40.00	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 34 ¼ | S 35

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , W. of cor.

chains	
80.00	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

T 3 N | R 10 W
S 27 | S 26
S 34 | S 35

1913

dig pits , 18 x 18 x 12 ins. in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. W. of cor.

Land , nearly level with the exception of low hill on S.11.00 chs.

Soil , light , dry , fine , warm sandy clay loam , baked hard and containing some alkali on a hard sandy clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale , salt sage and considerable greasewood.

Subdivision of T.3 N.,R.10 W.

chains	
	N.89°50'E., on a random line bet. secs. 26 and 35
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.97	Intersect N. and S. line , 2 lks. S. of the cor. of secs. 25 , 26 , 35 and 36
	Thence
	S.89°49'W., on true line bet. secs. 26 and 35.
	Over level land covered with considerable short shadscale salt sage and greasewood.
39.98½	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 35 / 1913
	dig pits , 18 x 18x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , N. of cor.
79.97	The cor. of secs. 26 , 27 , 34 and 35.
	Land , level.
	Soil , light , dry , fine , warm sandy loam clay , packed very hard and mixed with some alkali on hard clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale , white sage and greasewood.

	N.0°04'E., bet. secs. 26 and 27
	Over level land covered with considerable short shadscale and greasewood.undergrowth.
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 27 / $\frac{1}{4}$ | S 26 / 1913
	dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft.

chains

dist., raise a mound of earth , 3 ft. base , 1½ ft. high , W. of cor.

80.00 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.3 N S 22	R 10 W S 23
S 27	S 26

1913

dig pits , 18 x 18x 12 ins., in each sec., 5½ ft. dist. , raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , level.

Soil , light , fine , dry , warm , sandy clay loam , baked very hard and mixed with some alkali , on hard , dry friable clay sub-soil , 2 nd. rate.

No timber.

Undergrowth , short shadscale and scattering greasewood.

N.89°49'E., on a random line bet. secs. 23 and 26

40.00 Set temp. ¼ sec. cor.

79.92 Intersect N. and S. line at the cor. of secs. 23 , 24 , 25 and 26.

Thence

S.89°49'W., on true line bet. secs. 23 and 26.

Over level land covered with considerable short under-growth of shadscale , greasewood and salt sage.

39.96 Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 23
¼

S 26
1913

dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft.

Subdivision of T.3 N., R.10 W.

chains

high , N. of cor.

79.92 The cor. of secs. 22 , 23 , 26 and 27.

Land , level.

Soil , light , dry , sandy clay loam , baked hard , and mixed with alkali on hard , dry , friable clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale , greasewood and some salt sage.

N.0°04'E., bet. secs. 22 and 23.

Over level land covered with short shadscale and salt sage undergrowth.

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 22 $\frac{1}{4}$ | S 23

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , W. of cor.

June 29 : At this $\frac{1}{4}$ sec. cor., I set off 23°15' N., on the decl. arc ; and at 12 h. 03 m. p. m. l. m. t., observe the sun on the meridian ; the resulting lat is 40°59'.

80.00 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 3 N S 15	R 10 W S 14
S 22	S 23

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft.dist. , raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Subdivision of T.3 N.,R.10 W.

chains	
	Land , level.
	Soil , light , dry , warm sandy clay , slightly baked and mixed with alkali on hard , dry friable clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale and white sage.

	N.89°49'E., on a random line bet. secs. 14 and 23
40.00	Set temp. ¼ sec. cor.
79.93	Intersect N. and S. line 2 lks. N. of the cor. of secs. 13 , 14 , 23 and 24.
	Thence
	S.89°50'W., on true line bet. secs. 14 and 23.
	Over level ground covered with short shadscale and salt sage undergrowth.
39.96½	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked S 14 / ¼ / S 23 / 1913
	dig pits , 18 x 18x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high , N. of cor.
79.93	The cor. of secs. 14 , 15 , 22 and 23.
	Land , level.
	Soil , light , dry , sandy clay loam , baked hard and containing some alkali on hard , dry , friable clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale and salt sage.

	N.0°04'E., bet. secs. 14 and 15

SUBDIVISION OF T. 3 N., R. 10 W.

Chains	
	Over level land covered with short undergrowth of shadscale and salt sage.
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 15 $\frac{1}{4}$ | S 14 1913 dig pits 18x18x12 ins. N. and S. of post, 3 ft. dist., raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
61.00	Wagon road, 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. 10, 11, 14 and 15, with brass cap marked T 3 N R 10 W S 10 | S 11 S 15 | S 14 1913 dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist., raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.
	Land, level, with a gentle S. exposure.
	Soil, light, dry, warm sandy clay, baked hard and mixed with some alkali and gypsum on hard clay and gypsum subsoil, 2nd rate.
	No timber.
	Undergrowth, short shadscale and some salt sage.
	N. 89°50'E. on a random line bet secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line 5 lks. N. of the cor. of secs. 11, 12, 13 and 14.
	Thence
	S. 89°52'W. on true line bet. secs. 11 and 14.
	Over gently rolling ground sloping S., through short

Chains	
	undergrowth of shadscale and salt sage.
39.99	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 11 $\frac{1}{4}$ S 14 1913 dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist. raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
61.00	Wagon road, bears NE. and SW.
79.98	The cor. of secs. 10, 11, 14 and 15.
	Land, gently rolling with S. exposure.
	Soil, light, fine dry sandy clay loam, containing some alkali and gypsum on hard, sandy clay subsoil, 2nd rate.
	No timber.
	Undergrowth, short shadscale and some salt sage.
	N. 0°04'E. bet. secs. 10 and 11.
	Gradually ascend over rolling foot hills sloping S. and covered with short undergrowth of shadscale and salt sage.
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 10 | S 11 $\frac{1}{4}$ 1913 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
	Ascend more rapidly over limestone boulders.
45.00	Ascend more gradually.
65.00	Base of lone ridge, bears NW. and SE.
	Ascend abruptly.

Subdivision of T.3 N.,R.10 W.

chains

74.55 Top of ridge , 100 ft. above ¼ sec. cor., bears N.20°W. and S.20°E.

Gradually descend along E. slope.

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

T 3 N S 3	R 10 W S 2
S 10	S 11

1913

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

Land , low rolling hills with the exception of the lone rocky ridge on N.15 chs. General drainage of land is S. into Sink Valley.

Soil of S. 40 chs., generally light , dry , fine sandy clay loam , and some gravel on clay and sandy sub-soil ; 2 nd. rate. N. 40 chs. contains considerable rocky soil mixed with gravel and sand, on gravelly and sandy sub-soil ; 3 rd. rate.

No timber.

Undergrowth , short shadscale and some salt sage. Good rich bunch grass for grazing purposes.

Mountainous land , 15.00 chs.

June 29 , 1913

Robert E Clark

U. S. Transitman.

July 2 : For solar observation see line bet. secs. 11 and 12.

N.89°52'E., on a random line bet. secs. 2 and 11

40.00 Set temp. ¼ sec. cor.

79.99 Intersect N. and S. line 7 lks. S. of the cor. of secs.

Subdivision of T.3 N., R.10 W.

chains

1 , 2 , 11 and 12

Thence

S.89°49'W., on true line bet. secs. 2 and 11

Over rolling mountainous land sloping SW., through short undergrowth of shadscale and salt sage.

Gradually descend.

20.00 Leave mountainous land , bears NW. and SE.

thence gradually descend over rolling land.

28.70 Wagon road , bears NW. and SE.

39.99½ Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 2
¼

S 11
1913

dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , N. of cor.

Ascend abruptly over E. face of ridge.

46.20 Top of low ridge , 60 ft. above ¼ sec. cor., bears N. and S.

Descend abruptly 50 ft. to

56.30 Base of ridge , bears N. and S.

Thence over rolling land.

75.10 Base of ridge , bears N. and S.

Ascend 30 ft. to

79.99 The cor. of secs. 2 , 3 , 10 and 11.

Land , rolling mountainous with a general S. drainage.

Soil , gravelly , rocky and sandy ; rocky soil mostly on on the highest points of the line ; sub-soil gravelly rocky and in some places deep sand ; 3 rd. rate.

No timber.

Undergrowth , short shadscale and salt sage.

Subdivision of T.3 N.,R.10 W.

chains	
	N.0°04'E., on a random line bet. secs. 2 and 3
40.00	Set temp. ¼ sec. cor.
79.87	Intersect N. bdy. of the tp. 7 lks. W. of the cor. of secs. 2 , 3 , 34 and 35 heretofore described.
	Thence
	S.0°07'W., on true line bet. secs. 2 and 3.
	Gradually descend over rolling land sloping S., through short undergrowth of shadscale and salt sage,
39.87	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S ¼ 3 | S 2

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high ,W. of cor.

59.40	Begin ascent over mountainous land , bears NW. and SE.
59.40	Spur , 40 ft. high , projects E.
	Gradually descend.
70.00	Hollow , 30 ft. deep , course E.
	Ascend.
79.87	The cor. of secs. 2 , 3 , 10 and 11.
	Land , rolling and low mountains.
	Soil , light , fine , dry , warm sandy clay and gravel on gravelly and sandy sub-soil ; 3 rd. rate.
	No timber.
	Undergrowth , short shadscale and salt sage.
	Good bunch grass for grazing purposes.
	Mountainous land on S. 29.47 chs.

July 2 , 1913

June 29 : At 7 h. 33 m. a. m. l. m. t., I set off 40°56' on the lat. arc ; 23°16' N., on the decl. arc ; and

chains

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 I run

N.0°04'E., bet. secs. 33 and 34.

Over nearly level land with a gentle SE. slope , through short undergrowth of shadscale and salt sage,

10.05 Wash , 15 lks. wide , 3 ft. deep , course SE.

40.00 Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 33 ¼ | S 34
1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ft. base , 1½ ft. high , W. of cor.

53.70 Wash , 20 lks. wide , 2 ft. deep , course SE.

80.00 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

T 3 N S 28	R 10 W S 27
S 33	S 34

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , gently rolling with SE. exposure.

Soil , light., dry , fine , warm sandy clay loam , slightly baked and containing some alkali on hard , dry , friable clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and salt sage.

N.89°50'E., on a random line bet. secs. 27 and 34

Subdivision of T.3 N., R.10 W.

chains	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect N. and S. line at the cor. of secs. 26 , 27 , 34 and 35
	Thence
	S.89°50'W., on true line bet. secs. 27 and 34.
	Over level ground covered with dense undergrowth of greasewood , shadscale and salt sage.
30.00	Leave greasewood undergrowth , bears N. and S.
37.30	Wagon road , bears NW. and SE.
40.02	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
	S 27 / $\frac{1}{4}$ / S 34 / 1913
	dig pits 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , N. of cor.
80.04	The cor. of secs. 27 , 28 , 33 and 34
	Land , level.
	Soil , light , dry , fine , warm sady clay , slighty baked and containing some alkali., on hard , dry , friable clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale , salt sage and greasewood.

	N.0°04'E., bet. secs. 27 and 28
	Gradually ascend over gently rolling land covered with short undergrowth of shadscale and salt sage.
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 28 / $\frac{1}{4}$ | S 27 / 1913

chains

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , W. of cor.

62.10 Wagon road , bears N.40°W. and S.40°E.

80.00 Set an iron post , 3 ft. long , 2 ins. in dia., 24 ins. in the ground for cor. of secs. 21 , 22 , 27 and 28 , with brass cap marked

T 3 N S 21	R 10 W S 22
S 28	S 27

1913

dig pits , 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. , raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , gently rolling with S. exposure.

Soil , light , dry , fine , warm sandy clay loam , slightly baked and containing some alkali on hard , dry , sandy clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and some salt sage,

N.89°50'E., on a random line bet. secs. 22 and 27

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line , 2 lks. N. of the cor. of secs. 22 , 23 , 26 and 27.

Thence

S.89°51'W., on true line bet. secs. 22 and 27

Over gently rolling land covered with short undergrowth of shadscale , salt sage and a few scattering greasewood.

40.03 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 22
$\frac{1}{4}$

S 27
1913

Subdivision of T.3 N.,R.10 W.

chains

dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high ; N. of cor.

80.06 The cor. of secs. 21 , 22 , 27 and 28.

Land , gently rolling with SE. exposure.

Soil , light , dry , fine , warm sandy clay slightly baked and mixed with some alkali on hard , dry friable clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale , salt sage and a few scattering greasewood.

June 29 : At this sec. cor., I set off 23°15' N., on the decl. arc ; and at 12 h. 03 m. p. m. l. m. t., observe the sun on the meridian , the resulting lat. is 40°58'

N.0°04'E., bet. secs. 21 and 22

Gradually ascend over rolling land covered with short undergrowth of shadscale and salt sage.

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 $\frac{1}{4}$ 21	S 22

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , W. of cor.

80.00 Set an iron post , 3 ft. long , 2 ins. in dia., 24 ins. in the ground for cor. of secs. 15 , 16 , 21 and 22 with brass cap marked

T 3 N S 16	R 10 W S 15
S 21	S 22

1913

dig pits , 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist.

chains

raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , rolling with a general SE. exposure.

Soil , light , dry , sandy clay loam , containing some alkali and gravel on light , dry clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and salt sage.

June 29 , 1913

Howard W. Miller

U. S. Surveyor.

June 30 : For solar observation see line bet. secs. 32 and 33.

N.89°51'E., on a random line bet. secs. 15 and 22

40.00 Set temp. ¼ sec. cor.

80.07 Intersect N. and S. line 5 lks. S. of the cor. of secs. 14 , 15 , 22 and 23

Thence

S.89°49'W., on true line bet. secs. 15 and 22.

Gradually ascend over gently rolling land sloping E., and covered with considerable short shadscale undergrowth.

40.03½ Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 15
¼

S 22
1913

dig pits , 18 x 18 x 12 ins., E. andW. of post , 3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high , N. of cor.

80.07 The cor. of secs. 15 , 16 , 21 and 22

Land , nearly level sloping gently E.

Subdivision of T.3 N.,R.10 W.

chains

Soil , light , dry , fine,warm sandy clay , slightly baked and containing some alkali on dry , friable clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale , much of which is dead.

N.0°04'E., bet. secs. 15 and 16

Over slightly rolling land covered with short undergrowth of shadscale , most of which is dead.

25.50 Wagon road , bears N.75°E. and S.75°W.

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 16 | S 15
$\frac{1}{4}$
1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , W. of cor.

80.00 Set an iron post , 3 ft. long , 2 ins. in dia., 24 ins. in the ground for cor. of secs. 9 , 10 , 15 and 16 , with brass cap marked

T 3 N | R 10 W
S 9 | S 10
S 16 | S 15
1913

dig pits , 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. , raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , slightly rolling with E. exposure.

Soil , light , fine , dry , sandy clay , slightly baked and containing some alkali on hard clay sub-soil ; 2 nd. rate.

Nottimber.

Undergrowth , short shadscale , most of which is dead.

Subdivision of T.3 N.,R.10 W.

chains	
	N.89°49'E., on a random line bet. secs. 10 and 15
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.07	Intersect N. and S. line at the cor. of secs. 10 , 11 , 14 and 15
	Thence
	S.89°49'W., on true line bet. secs. 10 and 15
	Over gently rolling land covered with short undergrowth of shadscale ,salt sage and sage brush.
40.03$\frac{1}{2}$	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
	S 10 / $\frac{1}{4}$ / S 15 / 1913
	dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , 3$\frac{1}{2}$ ft. base , 1$\frac{1}{2}$ ft. high , N. of cor.
59.70	Wash , 15 lks. wide , 4 ft. deep , course SE.
80.07	The cor. of secs. 9 , 10 , 15 and 16.
	Land , rolling with a general SE. exposure.
	Soil , light , dry , fine , sandy clay , slightly baked and containing somealkali on hard gypsum sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale , salt sage and sage brush.
	June 30 , 1913

July 2 : At 8 h. 04 m. a. m. l. m. t., I set off 41°00' on the lat. arc ; 23°04'N., on the decl. arc ; and determine a meridian with the solar at the cor. of secs. 9 , 10 , 15 and 16.

Thence I run

N.0°04'E., bet. secs. 9 and 10

Over nearly level land covered with short undergrowth of shadscale.

Subdivision of T.3 N., R.10 W.

chains

33.40 Wash , 10 lks. wide , 3 ft. deep , course SE.

40.00 Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 9 ¼	S 10

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high , W. of cor.

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 3 N S 4	R 10 W S 3
S 9	S 10

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , gently rolling with S. exposure.

Soil , light , dry , warm sandy clay , baked hard and mixed with some alkali on hard , dry friable clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale.

N.89°49'E., on a random line bet. secs. 3 and 10

40.00 Set temp. ¼ sec. cor.

80.16 Intersect N. and S. line 5 lks. N. of the cor. of secs. 2 , 3 , 10 and 11

Thence

S.89°51'W., on true line bet. secs. 3 and 10

Over mountainous land covered with short undergrowth of shadscale.

Subdivision of T.3 N.,R.10 W.

chains	
	Ascend abruptly over E. face of ridge.
6.40	Top of ridge , 100 ft. above sec. cor., bears N. and S.
	Descend abruptly over W. slope.
23.40	Base of ridge , 150 ft. below top , bears N. and S.
	Thence over nearly level land.
40.08	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 3 / $\frac{1}{4}$ / S 10 / 1913
	dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , N. of cor.
80.16	The cor. of secs. 3 , 4 , 9 and 10
	Land , nearly level with the exception of the E. 23.40 chs. which consists of a ridge about 150 high , bearing N. and S. and having steep E. and W. slopes.
	Soil of mountainous part gravelly and sandy on gravel sub-soil ; 3 rd. rate. Soil of level land , light , dry , fine warm sandy clay , slightly baked on hard , friable clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale. Moutainous part supports an abundant growth of bunch grass , good for grazing purposes.
	Mountainous land 23.40 chs.

	N.0°04'E., on a random line bet. secs. 3 and 4
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect N. bdy. of the tp. 7 lks. W. of the cor. of secs. 3 , 4 , 33 and 34 , heretofore described
	Thence
	S.0°07'W., on true line bet. secs. 3 and 4.

Subdivision of T.3 N.,R.10 W.

chains

Over nearly level land covered with short undergrowth of shadscale and salt sage.

39.84 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 $\frac{1}{4}$ 4 | S 3

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , W. of cor.

79.84 The cor. of secs. 3 , 4 , 9 and 10.

Land , nearly level with S. exposure.

Soil , light , dry , fine , warm sandy clay , slightly baked and containing some alkali on hard , dry , friable sandy clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and salt sage.

June 30 : At 7 h. 33 m. a. m. l. m. t., I set off 40°56' on the lat. arc ; 23°13' 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 I run

N.0°03'E., bet. secs. 32 and 33

Over gently rolling land sloping E., through short undergrowth of shadscale and salt sage.

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 $\frac{1}{4}$ 32 | S 33

1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft.

chains

high , W. of cor.

72.30 Wash , 30 lks. wide , 3 ft. deep , course S.60°E.

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

T 3 N S 29	R 10 W S 28
S 32	S 33

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., , raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , gently rolling with E. exposure.

Soil ,light , dry , fine sandy clay loam , on deep sandy clay sub-soil ; 1 st. rate.

No timber.

Undergrowth , short shadscale and salt sage.

N.89°50'E., on a random line bet. secs. 28 and 33

40.00 Set temp. ¼ sec. cor.

79.95 Intersect N. and S. line , 2 lks. S. of the cor. of secs. 27 , 28 , 33 and 34.

Thence

S.89°49'W., on true line bet. secs. 28 and 33

Gradually ascend over gently rolling land sloping E., through short undergrowth of shadscale and white sage.

39.97½ Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 28
¼

S 33
1913

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.

chains	
79.95	The cor. of secs. 28 , 29 , 32 and 33
	Land , slightly rolling with E. exposure.
	Soil , light , dry , fine , warm sandy clay loam on deep sandy clay sub-soil ; 1 st. rate.
	No timber.
	Undergrowth , short shadscale and white sage.

	N.0°03'E., bet. secs. 28 and 29
	Over slightly rolling land sloping E., through short undergrowth of shadscale and white sage.
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 29 $\frac{1}{4}$ | S 28 1913
	dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , W. of cor.
75.30	Wash , 40 lks. wide , 6 ft. deep , course S.75°E.
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
	T 3 N | R 10 W S 20 | S 21 S. 29 | S 28 1913
	dig pits , 18 x 18 x 12 ins., in each sec., $5\frac{1}{2}$ ft. dist. raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.
	Land , gently rolling with E. exposure.
	Soil , light , dry , fine , warm sandy clay loam on deep sandy clay sub-soil ; 1 st. rate.
	No timber.
	Undergrowth , short shadscale and white sage.
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chains	
	N.89°49'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 4 lks. N. of the cor. of secs. 21 , 22 , 27 and 28.
	Thence
	S.89°51'W., on true line bet. secs. 21 and 28
	Gradually ascend over gently rolling land covered with short undergrowth of shadscale and salt sage,
12.65	Wagon road , bears NW. and SE.
39.96	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 $\frac{21}{28}$ / 1913 dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , N. of cor.
79.92	The cor. of secs. 20 , 21 , 28 and 29
	Land , gently rolling with gentle E. exposure.
	Soil , light , fine , dry , warm sandy clay , on deep , dry sandy clay sub-soil ; 1 st. rate.
	No timber.
	Undergrowth , short shadscale and salt sage.
	June 30 : At this sec. cor., I set off 23°12' N., on the decl. arc ; and at 12 h. 03 m. p. m. l. m. t., observe the sun on the meridian ; the resulting lat. is 40°58'.
	N.0°03'E., bet. secs. 20 and 21
	Gradually ascend over rolling land sloping SE., through short undergrowth of shadscale and salt sage.
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 $\frac{20}{1}$ | S 21 / 1913

Subdivision of T.3 N., R.10 W.

chains	
	dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high , W. of cor.
60.20	Wagon road , bears N.40°E. and S.40°W.
75.00	Begin ascent over low point of hill.
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 3 N	R 10 W
S 17	S 16
S 20	S 21

1913

dig pits , 18 x 18 x 12 ins., in each sec., 3½ ft. dist., , raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , rolling with SE. exposure.

Soil , light , fine , dry , warm sandy clay mixed with gravel on deep sandy and gravelly sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and salt sage. Some bunch grass good for grazing purposes.

N.89°51'E., on a random line bet. secs. 16 and 21

40.00 Set temp. ¼ sec. cor.

79.92 Intersect N. and S. line at the cor. of secs. 15 , 16 , 21 and 22

Thence

S.89°51'W., on true line bet. secs. 16 and 21.

Gradually ascend over rolling land sloping E., through short undergrowth of shadscale and salt sage.

39.96 Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 16
¼

S 21
1913

chains

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.

64.40 Wagon road , bears NW. and SE.

67.40 Wagon road , bears N. and S.15°W.

70.00 Wagon raod , bears N.20°E. and S.20°W.

71.00 Ascend more rapidly.

79.92 The cor. of secs. 16 , 17 , 20 and 21.

Land , rolling with a general E. exposure.

Soil , light , fine , dry , warm sandy clay , on deep rich sand sub-soil ; 1 st. rate.

No timber.

Undergrowth , short shadscale and salt sage,

July 2 : For solar observation see line bet. secs. 9 and 10

N.0°03'E., bet. secs. 16 and 17.

Over mountainous land covered with short undergrowth of shadscale.

Descend.

6.40 Wagon road , bears E. and W.

10.20 Wash , and bottom of hollow , 80 lks. wide , 30 ft. below sec. cor., course E.

Gradually ascend.

40.00 150 ft. above hollow .

Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S ¼ 17 | S 16

1913

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

50.00 Begin abrupt ascent over limestone ledges.

60.00 450 ft. above hollow.

Subdivision of T.3 N.,R.10 W.

chains	
	Set an iron post , 3 ft. long , 2 ins. in dia., 24 ins. in a mound of stone and earth , 4 ft. base , 2 ft. high , for cor. of secs. 8 , 9 , 16 and 17 , with brass cap marked
	T 3 N | R 10 W S 8 | S 9 S 17 | S 16 1913
	raise a moujd of stone , 2 ft. base , 1½ ft. high , W. of cor.
	Note: On account of natural obstacles I am unable to set post in the ground.
	Land , rough mountainous with steep S. slope on N. 69.80 chs. and gentle N. slope on S.10.20 chs.
	Soil , gravelly , rocky and some sandy of limestone formation on rocky and gravelly sub-soil ; 4 th. rate.
	No timber.
	Undergrowth , scattering short shadscale.
	Mountainous land 80.00 chs.
	July 2 : At this sec. cor., I set off 23°03' N., on the decl. arc ; and at 12 h. 04 m. p. m. l. m. t., observe the sun on the meridian ; the resulting lat. is 41°00'.

	N.89°51'E., on a random line bet. secs. 9 and 16
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 5 lks. S. of the cor. of secs. 9 , 10 , 15 and 16.
	Thence
	S.89°49'W., on true line bet. secs. 9 and 16
	Gradually ascend over nearly level land covered with short undergrowth of shadscale and salt sage,
31.70	Wagon road , bears N. and S.
39.98	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

chains	
	S.9 $\frac{1}{4}$ / S 16 1913
	raisea mound of stone 2 ft. base , $1\frac{1}{2}$ ft. high , N. of cor.
	Begin ascent over steep E. slope of high limestone ridge , bears N. and S.
71.50	Top of spur , 300 ft. above base of mountain , projects S. Gradually descend over land facing S.
79.96	The cor. of secs. 8 , 9 , 16 and 17
	Land , E.$\frac{1}{2}$ mile gently rolling with E. eposure. Soil , light , dry , fine , warm sandy clay , of good texture on deep , sandy sub-soil ; 1 st. rate. W.$\frac{1}{2}$ mile , rough mountainous land facing E. on E. 32.50 chs., and nearly S. on W. 7.50 chs. Soil , rocky and gravelly of limestone formation on rocky sub-soil ; 4 th. rate.
	No timber.
	Undergrowth , short shadscale mostly all dead.
	Mountainous land 40 chs.

	N.0°03'E., bet. secs. 8 and 9
	Over mountainous land covered with short undergrowth of shadscale.
	Ascend abruptly over S. face of high limestone ridge.
6.00	Saddle in ridge , 75 ft. above sec. cor., bears E. and W.
	Descend abruptly.
16.00	Thence over nearly level W. slope of ridge.
	Gradually descend.
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 8 $\frac{1}{4}$ | S 9 / 1913

chains

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high , W. of cor.

45.00 Begin graduall ascent.

69.00 Top of ridge , bears N.80°W. and S.80°E.

Descend 100 ft. to

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 3 N S 5	R 10 W S 4
S 8	S 9

1913

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

Land , mountainous following near top of high limestone ridge , sloping and draining S. on S. 6.00 chs., W. on next 63.00 chs., and N. on N.11.00 chs.

Soil , gravelly , rocky , and some sandy clay on gravelly and rocky sub-soil ; 3 rd. rate.

No timber.

Undergrowth , short shadscale .

Mountainous land , 80.00 chs.

July 2 , 1913

July 5 : At 8 h. 04 m. a. m. l. m. t., I set off 41°01' on the lat. arc ; 22°50' 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

N.89°49 E., on a random line bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. cor.

79.84 Intersect N. and S. line 9 lks. S. of the cor. of secs. 3 , 4 , 9 amd 10.

chains	
	Thence
	S.89°45'W., on true line bet. secs. 4 and 9.
	Gradually ascend over gently rolling land covered with short undergrowth of shadscale and white sage.
39.79	Wagon road , bears N. and S.
	Begin steeper ascent.
39.92	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 4 $\frac{1}{4}$ ——— S 9 1913
	dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , N. of cor.
44.35	Wash , 20 lks. wide , 4 ft. deep , course S.35°E.
58.50	Base of mountain , bears N.20°W. and S.20°E.
	Ascend abruptly over steep E. face of ridge.
74.00	Top of ridge , 350 ft. above $\frac{1}{4}$ sec. cor., bears N. and S.
	Descend abruptly 100 ft. to
79.84	The cor. of secs. 4 , 5 , 8 and 9.
	Land , E. 58.50 chs., rolling and gently rolling land with general E. exposure. Soil , light , dry , fine , warm sandy clay , slight baked and containing some alkali and gravel on hard , dry friable clay sub-soil ; 2 nd. rate. W. 21.30 chs., rough mountainous land facing E. on E. 15.50 chs. and NW. on W.5184 chs. Soil , gravelly , rocky and some light sand of limestone formation , on gravelly and rocky sub-soil ; 4 th. rate.
	No timber.
	Undergrowth , short shadscale and white sage.
	Mountainous land , W. 21.30 chs.

	N.0°03'E., on a random line bet. secs. 4 and 5.
40.00	Set temp. $\frac{1}{4}$ sec. cor.

Subdivision of T.3 N., R.10 W.

chains	
80.03	Intersect N. bdy. of the tp. 7 lks, E. of the cor. of secs. 4 , 5 , 32 and 33 heretofore described.
	Thence
	South on true line bet. secs. 4 and 5.
	Over broken mountainous land draining E., through short undergrowth of shadscale and scattering greasewood.
	Descend.
5.00	Gulch , 50 ft. deep , carries drainage from a rather large territory to the W., course SE.
	Thence over numerous small points breaking E. into flat to the E.
22.00	Gulch , 50 ft. deep., course NE. 10 chs. thence SE. to Sink valley.
	Gradually ascend along E. side of low point falling N.
36.00	Low ridge , bears E. and W.
	Descend abruptly.
40.03	Set an iron post , 3 ft. long , 1 in. in dia., 12 ins. in the ground and 12 ins. in a mound of stone and earth , 4 ft. base , 1 ft. high , for $\frac{1}{4}$ sec. cor., with brass cap marked S 5 $\frac{1}{4}$ | S 4 1913 raise a mound of stone , 2 ft. base , $1\frac{1}{2}$ ft. high , W. of cor.
	Note: On account of natural obstacles I am unable to set post more than 12 ins. in the ground.
40.23	Gulch , 100 ft. deep , course E.
	Ascend abruptly over NE. slope.
52.00	Ridge , 100 ft. high , bears E. and W.
	Descend abruptly over S. slope.
60.00	Gulch , 150 ft. deep , course S.70°E.
	Ascend over low point then descend.
62.90	Main gulch , course E.
	Ascend abruptly over N. slope on E. side of gulch.

Subdivision of T.3 N., R.10 W.

chains

80.03 The cor. of secs. 4 , 5 , 8 and 9.

Land , rough mountainous with steep slopes into gulches draining E.

Soil , light., dry , fine , warm sandy clay very stony and of poor quality on gravelly and rocky sub-soil ; 3 rd. rate.

No timber.

Undergrowth , short shadscale and some greasewood.

Mountainous land , 80.03 chs..

July 1 : At 8 h. 04 m. a. m. l. m. t., I set off 40°56' on the lat. arc ; 23°09' 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 I run

N.0°02'E., bet. secs. 31 and 32.

Over rolling land sloping E., through short undergrowth of shadscale and salt sage,

5.00 Wash , 50 lks. wide , 2 ft. deep , course E.

10.50 Wash , 20 lks. wide , 4 ft. deep , course E.

40.00 Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S 31 | S 32
¼ |
1913

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

46.30 Wash , 15 lks. wide , 7 ft. deep , course E.

53.30 Wash , 20 lks. wide , 8 ft. deep , course S.75°E.

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

Subdivision of T.3 N.,R.10 W.

chains	
	T 3 N | R 10 W. S 30 | S 29 S 31 | S 32 1913
	dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.
	Land , rolling with E. exposure and cut by numerous washes.
	Soil , light , fine , dry , warm sandy clay mixed with gravel on hard , dry , sandy and gravelly sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale and salt sage. Some bunch grass , good for grazing purposes.

	N.89°50'E., on a random,line bet. secs. 29 and 32
40.00	Set temp. ¼ sec. cor.
80.01	Intersect N. and S. line at the cor. of secs. 28 , 29 , 32 and 33
	Thence
	S.89°50'W., on true line bet. secs. 29 and 32
	Over rolling land sloping E., gradually ascending through short undergrowth of shadscale and salt sage.
22.20	Wash , 40 lks. wide , 2 ft. deep , course SE.
28.40	Wash , 20 lks. wide , 6 ft. deep , course SE.
40.00½	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked S 29 ¼ S 32 1913
	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.

Subdivision of T.3 N.,R.10 W.

chains	
80.01	The cor. of secs. 29 , 30 , 31 and 32.
	Land , rolling with an E. exposure.
	Soil , light , dry , fine , warm sandy clay loam mixed with a little gravel on hard , dry , sandy clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale and salt sage. Land affords some bunch grass , good for grazing purposes.

	S.89°50'W., on a random line bet. secs. 30 and 31
40.00	Set temp. ¼ sec. cor.
81.86	Intersect W. bdy. of the tp. 7 lks. N. of the cor. of secs. 25 , 30 , 31 and 36 heretofore described.
	Thence
	N.89°47'E., on true line bet. secs. 30 and 31.
	Gradually descend over low rolling foot hills covered with short undergrowth of shadscale , sage brush and salt sage.
39.86	Head of small gully , course N.80°E.
	Descend more gradually over E. slope.
41.86	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 30 ¼ S 31 1913
	raise a mound of stone , 2 ft. base , 1½ ft. high] N. of cor.
60.75	Wash , 60 lks. wide , 8 ft. deep , course NE.
77.16	Wagon road , bears N. and S.
81.86	The cor. of secs. 29 , 30 , 31 and 32.
	Land , rolling foot hills with general E. exposure.
	Soil , light , dry , fine , warm sandy clay and gravel on hard , dry , clay and stony sub-soil ; 3 rd. rate.

Subdivision of T.3 N., R.10 W.

chains	
	No timber.
	Undergrowth , short shadscale , sage brush and salt sage.
	Land supports an abundant growth of short bunch grass , good for grazing purposes.
	July 1 : At this sec. cor., I set off 23°08' N., on the decl. arc ; and at 12 h. 04 m. p. m. l. m. t., observe the sun on the meridian ; the resulting lat. is 40°57'.

	N.0°02'E., bet. secs. 29 and 30.
	Over rolling land sloping E., covered with short undergrowth of shadscale and salt sage.
7.20	Wash , 30 lks. wide , 5 ft. deep , course E.
14.40	Wagon road , bears NE. and SW.
15.40	Wash , 10 lks. wide , 6 ft. deep , course E.
38.90	Wash , 30 lks. wide , 6 ft. deep , course N.80°E.
40.00	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked S 30 ¼ | S 29 1913 raise a mound of stone , 2 ft. base , 1½ ft. high , W. of cor.
42.10	Wash , 25 lks. wide , 4 ft. deep , course SE.
47.60	Wagon road , bears N.30°W. and S. 30°E.
55.00	Ascend abruptly over low mountainous land , bears NW. and SE.
65.00	Top of ridge , 200 ft. high , bears NE. and SW.
	Descend abruptly.
70.00	Leave mountainous land , thence over nearly level land.
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 3 N | R 10 W S 19 | S 20 S 30 | S 29 1913

Subdivision of T.3 N., R.10 W.

chains	
	dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.
	Land , rolling hills and mountains with S. and E. exposure.
	Soil , light , fine , dry , warm sandy clay , rocky and gravelly; on dry sandy clay and rocky sub-soil ; 3 rd. rate.
	No timber.
	Undergrowth , short shadscale and sage brush.

	N.89°50'E., on random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
79.99	Intersect N. and S. line , 2 lks. S. of the cor. of secs. 20 , 21 , 28 and 29.
	Thence
	S.89°49'W., on true line bet. secs. 20 and 29.
	Gradually ascend over rolling foot hills covered with short undergrowth of shadscale and salt sage,
38.80	Wagon road , bears NE. and SW.
39.99½	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 20 ¼ / S 29 1913
	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.
	Begin steep ascent over E. slope of ridge.
65.00	Ascend more gradually.
76.00	Top of ridge , 250 ft. high , bears N. and S.
	Descend
79.99	The cor. of secs. 19 , 20 , 29 and 30
	Land , rolling hills and mountains with E. and S. exposure.

Subdivision of T.3 N., R.10 W.

chains	
	Soil , light , dry , fine , warm sandy clay loam , mixed with gravel and some rocks ; on hard , dry , fine sandy clay and gravel sub-soil ; 3 rd.nate.
	No timber.
	Undergrowth , short shadscale , salt sage and some bunch grass , good for grazing purposes.

	S.89°47'W., on a random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
81.82	Intersect W. bdy. of the tp. 5 lks. N. of the cor. of secs. 19 , 24 , 25 and 30 heretofore described.
	Thence
	N.89°45'E., on true line bet. secs. 19 and 30
	Over mountainous land covered with short undergrowth of shadscale and salt sage.
	Ascend
6.00	Spur , 50 ft. above sec. cor., bears N. and S.
	Descend 75 ft. to
21.80	Base of mountain , bears N. and S.
	Thence gradually descend over land sloping almost S.
41.82	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 19 ¼ --- S 30 1913
	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.
81.82	The cor. of secs. 19 , 20 , 29 and 30.
	Land , mountainous on W. 21.80 chs. and rolling on E. 60 chs., having a general S. exposure.
	Soil , light , fine , dry , warm sandy clay and gravel on hard , dry , warm sandy clay and gravel sub-soil ;

chains	
	2 nd. rate.
	No timber.
	Undergrowth., short shadscale and salt sage.
	Mountainous land 21.30 chs.
	July 1 , 1913

	July 3 : At 8 h. 04 m. a. m. l. m. t., I set off 40°58' on the lat. arc ; 23°00' N., on the decl. arc ; and determine a meridian with the solar at the cor. secs. 19 , 20 , 29 and 30.
	Themce I run
	N.0°02'E., bet. secs. 19 and 20.
	Over mountainous land covered with short undergrowth of shadscale and salt sage.
	Ascend abruptly.
7.60	Low spur , projects SW.
	Descend abruptly.
15.80	Descend more gradually.
40.00	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 19 ¼ | S 20
	1913
	dig pits , 18 x 18 x 12 ins., N. and S. of post ,3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high , W. of cor.
70.00	Gulch , 40 ft. deep , course NE.
	Ascend over low point , thence descend.
75.80	Gulch , course N.50°E.
	Ascend to top of small flat.
80.00	Set an iron post , 3 ft. long , 2 ins. in dia., 24 ins. in the ground for cor. of secs. 17 , 18 , 19 and20 with braas cap marked

Subdivision of T.3 N., R.10 W.

chains	
	T 3 N | R 10 W S 18 | S 17 S 19 | S 20 1913
	dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.
	Land , rolling mountainous with a general N. exposure.
	Soil , light , fine , dry , warm sandy clay , and gravel on dry , sandy clay sub-soil ; 2 nd. rate.
	Timber , a few scattering cedar on both sides of line.
	Undergrowth , short shadscale and salt sage.
	Mountainous land , 80.00 chs.

	N.89°49'E., on a random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
79.93	Intersect N. and S. line , 5 lks. N. of the cor. of secs. 16 , 17 , 20 and 21 .
	Thence
	S.89°51'W., on true line bet. secs. 17 and 20
	Over rolling mountainous land covered with short undergrowth of shadscale and salt sage.
	Gradually ascend.
38.50	Ridge , 125 ft. above sec. cor., bears N. and SW.
	Gradually descend.
39.96½	Near top of ridge on gentle NW. slope.
	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked S 17 ¼ --- S 20 1913
	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.

Subdivision of T.3 N.,R.10 W.

chains	
	Descend very gradually.
68.60	Gulch , 50 ft. deep , course NE.
	Ascend abruptly.
75.00	Top of steep ascent , thence over nearly level land.
79.93	The cor. of secs. 17 , 18 , 19 and 20.
	Land , mountainous with a general N. exposure.
	Soil , light , fine,dry , warm , sandy clay , mixed with gravel and rocks , on sandy clay and rocky sub-soil ; 3 rd. rate.
	No timber.
	Undergrowth , short shadscale and salt sage . Some bunch grass , good for grazing purposes.
	Mountainous land , 79.93 chs.

	S.89°45'W., on a random line bet. secs. 18 and 19
40.00	Set temp. ¼ sec. cor.
81.90	Intersect W. bdy. of the tp. 5 lks. N. of the cor. of secs. 13 , 18 , 19 and 24 heretofore described.
	Thence
	N.89°43'E., on true line bet. secs. 18 and 19.
	Gradually descend over rolling mountainous land covered with short undergrowth of shadscale and salt sage , across numerous small benches.
41.90	On east edge of small bench.
	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 18 ¼ ——— S 19 1913
	raise a mound of stone , 2 ft. base , 1½ ft. high , N. of cor.
	Leave mountainous land , thence gradually descend over gently rolling land.

Subdivision of T.3 N., R.10 W.

chains	
51.60	Wash , 50 lks. wide , 6 ft. deep , course N.60°E.
81.90	The cor. of sec. 17 , 18 , 19 and 20.
	Land , mountainous and rolling with a general N. and E. exposure.
	Soil , light , fine , dry , warm sandy clay , mixed with gravel and rocks, on dry, stiff, sandy clay and gravel sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale, salt sage and some bunch grass , good for grazing purposes.
	Mountainous land , W. 40 chs.
	July 3 : At this sec. cor., I set off 22°59' N., on the decl. arc ; and at 12 h. 04 m. p. m. l. m. t., observe the sun on the meridian ; the resulting lat. is 40°59'.

	N.0°02'E., bet. secs. 17 and 18.
	Over broken rolling land covered with short undergrowth of shadscale and salt sage.
10.00	Gulch , 2 chs. wide , 25 ft. deep , course E.
19.00	Gulch , 1.50 chs. wide , 15 ft. deep , course E.
21.00	Gulch , 1.50 chs. wide , 15 ft. deep , course E.
27.50	Gulch , 1 ch. wide , 20 ft. deep , course SE.
38.00	Gulch , 2 chs. wide , 20 ft. deep , course SE.
40.00	Near bottom of gulch.
	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 $\frac{1}{4}$ 18 | S 17 1913
	dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , W. of cor.
	Gradually ascend.

Subdivision of T.3 N., R.10 W.

chains

45.00 Thence over nearly level land.

50.00 Wagon road , bears E. and W.

52.50 Wagon road , bears NW. and SE.

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 3 N S 7	R 10 W S 8
S 18	S 17

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Note:
Cor.stands on low divide where country drains to the NW. and SE.

Land , broken rolling hills with general E. drainage.

Soil ; light , fine , dry , warm sandy clay , slightly baked and mixed with gravel, on dry clay and sand subsoil ; 2 nd. rate.

Undergrowth , short shadscale and salt sage.

No timber.

N.89°51'E., on a random line bet. secs. 8 and 17

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line 2 lks, N. of the cor. of secs. 8 , 9 , 16 and 17.

Thence

S.89°52'W., on true line bet. secs. 8 and 17.

Over steep rocky S. slope of mountain covered with short undergrowth of shadscale.

6.00 High , rocky spur , projects S.

Descend abruptly over limestone ledges.

25.00 Leave limestone ledges , descend more gradually.

34.00 Wash , in bottom of large gulch , 30 lks. wide , 12 ft. deep , 300 ft. below top of spur , course S.

Subdivision of T.3 N.,R.10 W.

chains	
	Gradually ascend.
40.00	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins. in the ground for ¼ sec. cor., with brass cap marked.
	S 8 / ¼
	S 17 / 1913
	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.
45.00	Ascend abruptly.
50.20	Top of ridge , 80 ft. high , bears N. and S.
	Descend.
60.00	Base of ridge , bears N. and S.
	Thence over broken ground.
69.00	Wagon road , bears N.20°E. and S.20°W.
80.00	The cor. of secs. 7 , 8 , 17 and 18.
	Land , rough broken mountains with E. and W. slopes of ridges into gulches draining S..E. 60.00 chs. more broken and rocky than remainder of mile.
	Soil , rocky , gravelly and sandy on rocky and gravelly sub-soil on E. 60 chs.; W. 20 chs., light , dry , fine , warm sandy clay mixed with gravel on sandy and gravelly sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale and salt sage. Some good bunch grass for grazing purposes.
	Mountainous land , 80.00 chs.

	S.89°43'W., on a random line bet. secs. 7 and 18
40.00	Set temp. ¼ sec. cor.
81.89	Intersect W. bdy. of the tp. 2 lks. S. of the cor. of secs. 7 , 12 , 13 and 18 heretofore described.
	Thence
	N.89°44'E., on true line bet. secs. 7 and 18 .

Subdivision of T.3 N.,R.10 W.

chains	
	Gradually ascend over gently rolling land covered with short undergrowth of shadscale and salt sage.
34.89	Wagon road , bears N.60°W. and S.60°E.
41.89	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 7 / $\frac{1}{4}$ S 18 / 1913 dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high, N. of cor.
68.10	Wagon road , bears N.30°W. and S.30°E.
81.89	The cor. of secs. 7, 8 , 17 and 18.
	Land , gently rolling with a NW. exposure.
	Soil , light, dry , fine , warm , sandy clay loam mixed with gravel , on deep sandy clay sub-soil ; 1 st. rate.
	No timber.
	Undergrowth , short shadscale and salt sage.
	July 3 , 1913

	July 5 : For solar observation see line bet. secs. 4 and 9.
	N.0°02'E., bet. secs. 7 and 8.
	Gradually ascend over rolling land sloping nearly W., through short undergrowth of shadscale and salt sage.
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 7 / $\frac{1}{4}$ | S 8 1913 dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist. raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , W. of cor.

Subdivision of T.3 N.,R.10 W.

chains	
49.00	Begin ascent over low ridge , bears N.80°E. and S.80°W.
52.80	Top of ridge , 70 ft. high , bears N.80°E. and S.80°W.
	Gradually descend.
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

T 3 N	R 10 W
S 6	S 5
S 7	S 8

1913

dig pits , 18 x 18 x 12 ins., in each sec., 5½ ft. dist., raise a mound of earth , 4 ft. base , 2 ft. high , W. of cor.

Land , rolling with a general W. exposure.

Soil , light , dry , fine , warm sandy clay , mixed with some gravel and rocks on dry , gravelly and sandy subsoil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and salt sage.

July 5 : At this sec. cor., I set off 22°49' N., on the decl. arc ; and at 12 h. 04 m. p. m. l. m. t., observe the sun on the meridian ; the resulting lat. is 41°01'.

N.89°52'E., on a random line bet. secs. 5 and 8

40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line 2 lks. N. of the cor. of secs. 4 , 5 , 8 and 9.

Thence

S.89°53'W., on true line bet. secs. 5 and 8.

Over rough , rocky mountainous land facing N. , broken by small , steep , spurs and gulches draining N., through short undergrowth of shadscale and salt sage.

20.00	Top of ridge and divide between Sink Valley and Great American Desert , bears N. and S.

Gradually descend over W. slope.

Subdivision of T.3 N., R.10 W.

chains	
39.75	Wagon road , bears N. and S.
	Leave rough mountainous land ; thence over low rolling hills.
40.05	Set an iron post , 3 ft. long , 1 in. in dia., 12 ins. in the ground and 12 ins. in a mound of stone and earth 4 ft. base , 1 ft. high , for $\frac{1}{4}$ sec. cor., with brass cap marked
	S 5 / $\frac{1}{4}$ / S 8 / 1913
	raise a mound of stone , 2 ft. base , $1\frac{1}{2}$ ft. high, N. of cor
	Note: Underlying rock prevented setting post 24 ins. in the ground
80.10	The cor. of secs. 5 , 6 , 7 and 8.
	Land , W. 60 chs. rolling mountainous land with general W. exposure. E. 20 chs., rough broken mountains on steep broken N. slopes.
	Soil , W. $\frac{1}{2}$ mile , light , fine , dry , warm sandy clay and gravel on sandy and gravelly sub-soil . E. $\frac{1}{2}$ mile , stony and clay , nearly all pure gravel on E. $\frac{1}{4}$ mile ; 3 rd. rate.
	No timber.
	Undergrowth , short shadscale and salt sage.
	Mountainous land , 80.10 chs.

	S.89°44'W., on a random line bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.90	Intersect W. bdy. of the tp. at the cor. of secs. 1 , 6 , 7 and 12 heretofore described.
	Thence
	N.89°44'E., on true line bet. secs. 6 and 7
	Gradually ascend over broken rolling land sloping S., through short undergrowth of shadscale and salt sage.
10.90	Wagon road , bears NE. and SW.
41.90	Set an iron post , 3 ft. long , 1 in. in dia., 24 ins.

Subdivision of T.3 N.,R.10 W.

chains	
	in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked S 6 $\frac{1}{4}$ ——— S 7 1913
	dig pits , 18 x 18 x 12 ins., E. and W. of post , 3 ft. dist., raise a mound of earth , $3\frac{1}{2}$ ft. base , $1\frac{1}{2}$ ft. high , N. of cor.
44.20	Wagon road , bears N.30°W. and S.30°E.
81.90	The cor. of secs. 5 , 6 , 7 and 8.
	Land , rolling with S. exposure.
	Soil , light , fine , dry , warm sandy clay mixed with gravel and some rocks on sandy and clay sub-soil ; 2 nd. rate.
	No timber.
	Undergrowth , short shadscale and salt sage.

	N.0°02'E., on a random line bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.,
79.88	Intersect N. bdy. of the tp. at the cor. of secs. 5 , 6 , 31 and 32 heretofore described.
	Thence
	S.0°02'W., on true line bet. secs. 5 and 6
	Descend abruptly over rough rocky mountainous land facing S., through short undergrowth of shadscale and salt sage.
5.10	Base of mountain , 100 ft. below sec. cor., bears E. and W.
	Thence over rolling land sloping gently to the SW.
	Gradually descend.
30.90	Wagon road , bears NE. and SW.
31.90	Wash , 15 lks. wide , 2 ft. deep , course SW.
39.88	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

Subdivision of T.3 N.,R.10 W.

chains

S 6 | S 5
1/4
1913

dig pits , 18 x 18 x 12 ins., N. and S. of post , 3 ft. dist., raise a mound of earth , 3½ ft. base , 1½ ft. high , W. of cor.

44.20 Wash , 10 lks. wide , 4 ft. deep , course SW.

79.88 The cor. of secs. 5 , 6 , 7 and 8.

Land , rolling with the exception of the N. 5.10 chs. which consists of steep S. slope of ridge. General drainage of the country to the SW.

Soil , N.½ mile , generally gravelly and rocky mixed with light sandy clay on dry clay and rocky sub-soil ; 3 rd. rate. S.½ mile , light , dry , fine , warm sandy clay soil , mixed with some gravel on deep sandy clay sub-soil ; 2 nd. rate.

No timber.

Undergrowth , short shadscale and salt sage. Some bunch grass , good for grazing purposes.

Mountainous land , 5.10 chs.

July 5 , 1913

Robert E. Clark

U. S. Transitman.

GENERAL DESCRIPTION.

Tis township contains nearly every variety of land from level deserts to high and rough mountains.

The mountainous portion of this township which consists of all land lying west of line drawn in a NE. and SW. direction from the NE. cor. of sec. 4 to the ¼ sec. cor. bet. secs. 6 and 31 on the S. bdy. of the township and

General Description.

E. of a line drawn in a NW. and SE. direction from the NW. cor. of sec. 2 to the ¼ sec. cor. bet. secs. 12 and 13 , consist of high and broken limestone ridges breaking off abruptly to the east on the western part and SE. on the eastern part of the township to what is called Sink Valley. The west slope of the mountains in the western part of the township is gradual as the land slopes gently onto high and rolling benches. The east slope of the east mountains is similar to the west slope of the mountains in the west.

The remainder of the township lies on a large open , flat desert called Sink Valley. This desert or valley is practically level and has no visible drainage. The soil of this desert is a light , fine , dry , warm , sandy clay , baked hard and containing a considerable amount of alkali. The sub-soil differs from the surface soil only by being packed much harder. Approaching the mountains the soil becomes more porous and of better quality and in some places supports an abundant growth of native grasses , valuable for grazing purposes. The soil of the mountainous part is all of limestone formation and of no value.

The entire township supports an abundant growth of short shadscale , salt sage and scattering greasewood.

The only timber in the township is a few scattering scrub cedars in the western part.

I find no indications of mineral in the township.

There are no settlers in the township.

Howard W. Miller

U. S. Surveyor.

Fred E. Clark

U. S. Transitman.

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Page

4—680

BOOK A-404

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, ..., U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of .....

For certificates of assistants see book "J" T.3 N.R.11 W.

of the ..... Meridian, in the State of .....

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.	

Subscribed and certified to before me on the dates of the final service as shown above.

.....

6—2761 *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 .....

For final oaths of U.S.Surveyor and Transitman see book "J" T.3 N.R. 11 W.

..... 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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, April 5, 1915.

The foregoing field notes of the survey of the Subdivisional lines of Township No.3 North, Range No.10 West of the Salt Lake Base and Meridian, Utah

executed by Howard W.Miller and Robert E.Clark under ~~his~~ their special instructions dated April 10, 191 3, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A. O. Thoresen
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.