Volume

#

R0443

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BOOK A-443

U. S. Surveyor General's Office
MAY 9 1980
SALT LAKE CITY, UTAH

FIELD NOTES

OF ~~THE SURVEY OF~~ THE

RETRACEMENT AND RESURVEY OF A PORTION OF THE SOUTH

AND EAST BOUNDARIES; RETRACEMENT, RESURVEY,

AND SURVEY OF A PORTION OF SUBDIVISION,

T. 17 S., R. 2 W.

Of the Salt Lake Base and *Meridian,*

In the State of Utah.

EXECUTED BY

Jos. C. Thoma,

U. S. Cadastral Engineer

~~*In the capacity of U. S. Surveyor,*~~ *under Special Instructions dated* March 5, *1918, issued by the United States Surveyor General to govern surveys included in Group No.* 70, *which were approved by the Commissioner of the General Land Office,* March 29, *1918, and Assignment Instructions dated* June 23, *1919.*

Survey commenced October 18, *1918.*

Survey completed August 30, *1919.*

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Examinations Recorded

A Plat M.F.Y. Notes K.F.B. F.B.J. V.I.F.

B Computations F.B.J. V.I.F.

Comparing

C Plat V.I.F. Notes K.F.B.

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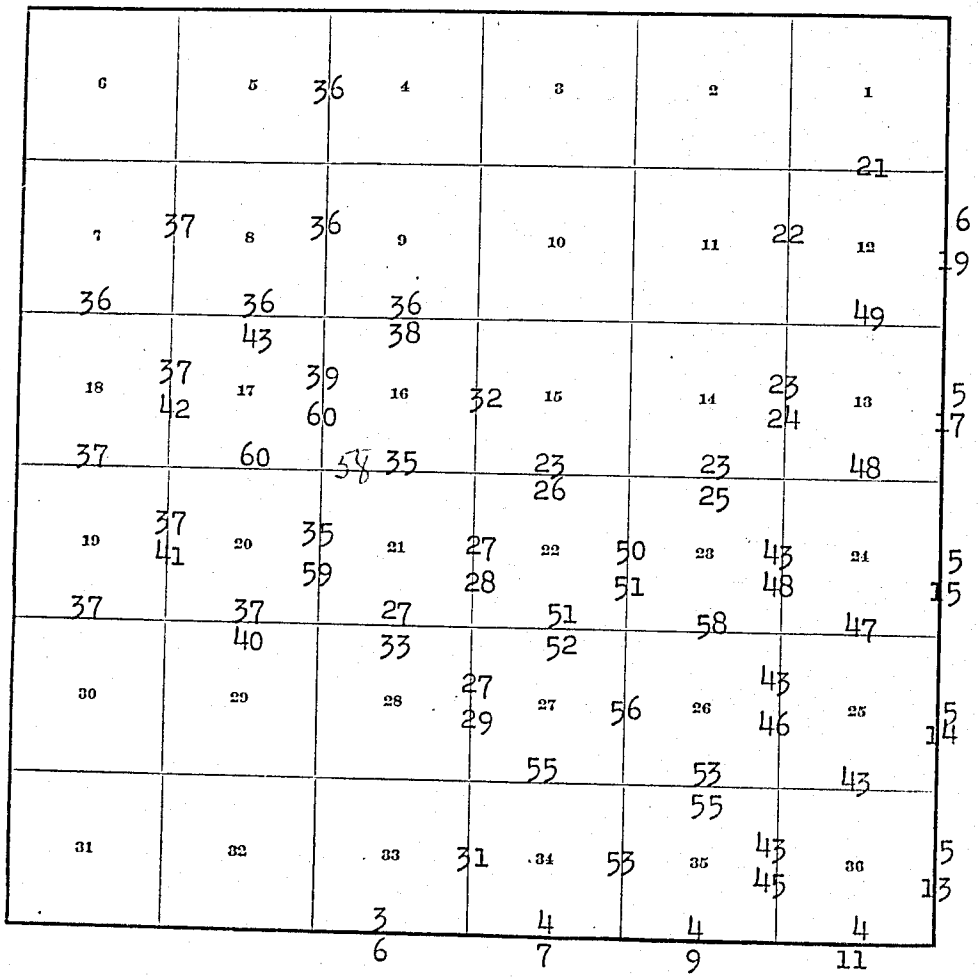
INDEX DIAGRAM.

Township 17 South, *Range* 2 West.



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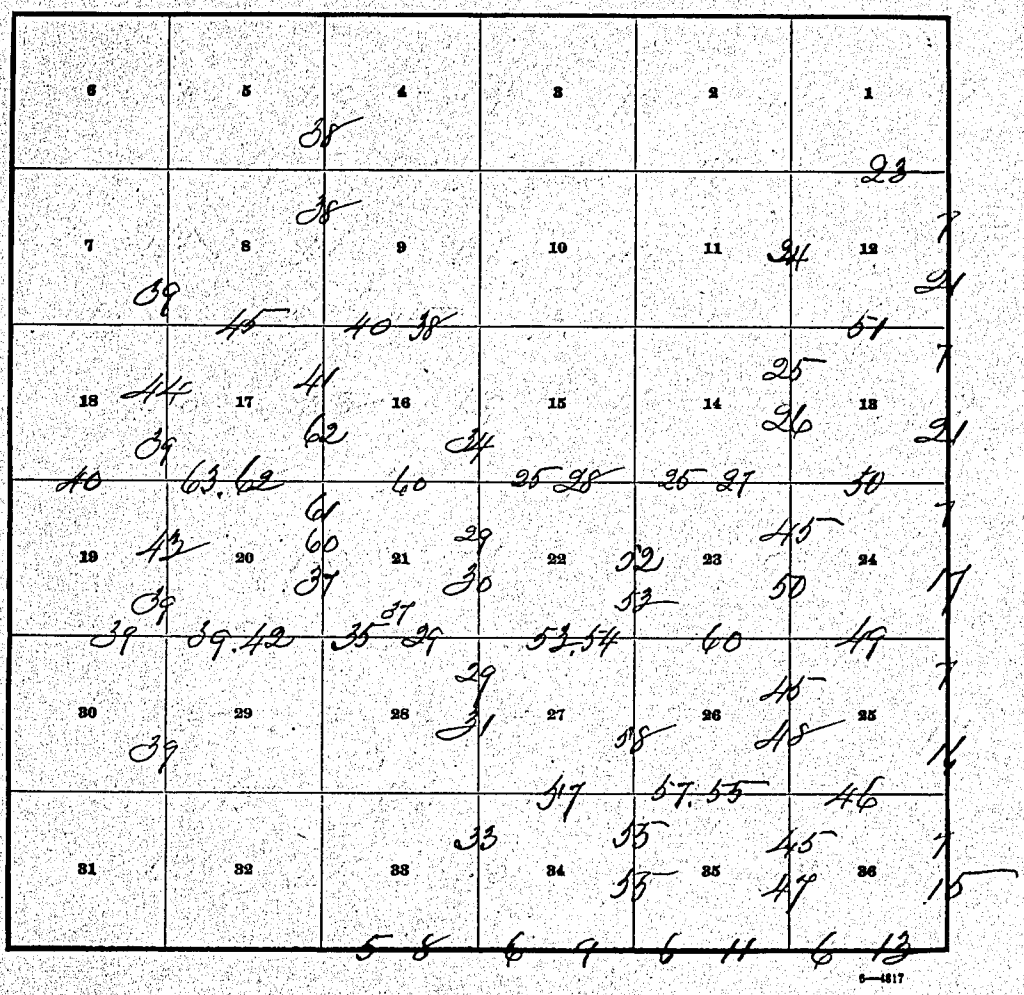
INDEX DIAGRAM.

Township 17 S, *Range* 2 W



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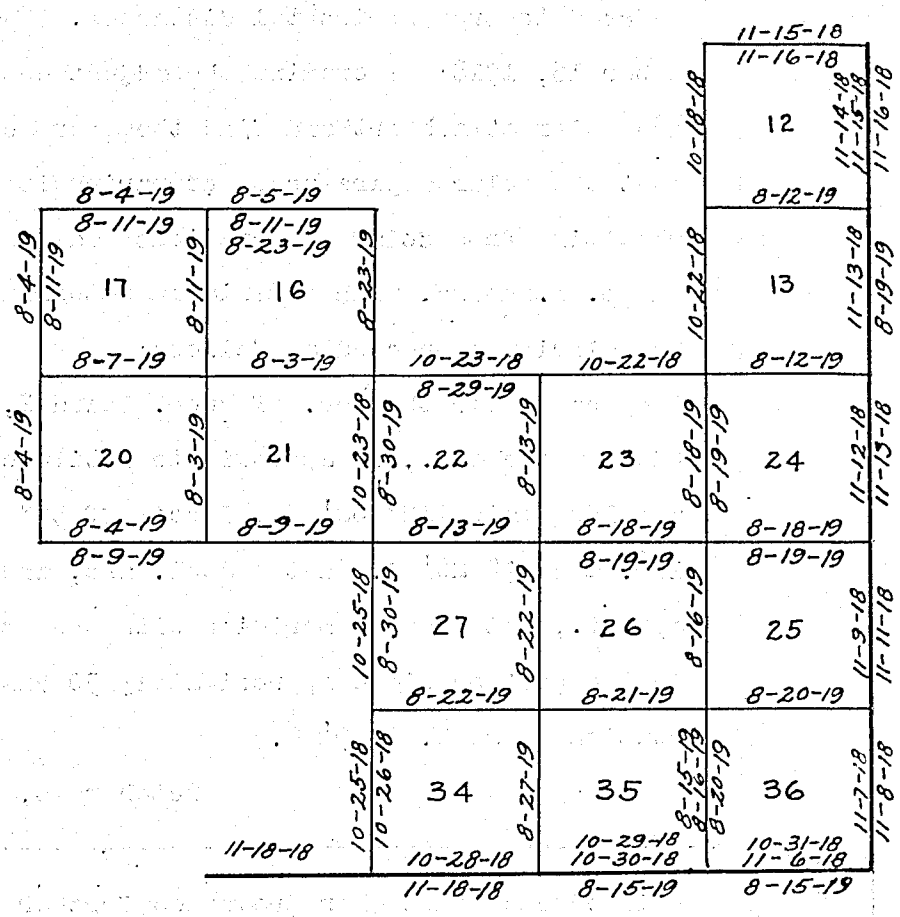
DATE DIAGRAM.

T. 17 S., R. 2 W.



Survey commenced October 18, 1918, and executed with Buff & Buff transit No. 9218; the instrument is equipt with full vertical circle and the Smith 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, and the vertical circle. Unless otherwise specified all azimuth determinations are accomplished with the solar attachment.

The instrument was approved by the assistant supervisor of surveys of district No. 6, subject to satisfactory field tests.

Description and Tests of Instruments.

Unless otherwise specified all measurements are made with a Lallie steel tape 5 chains in length, compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurement properly reduced to true horizontal distances.

October 18, 1918: I examine the adjustments of the transit and solar attachment and find them correct; then to test the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours, with a meridian determined by observation on Polaris, I proceed as follows:

At my camp near the cor. of secs. 1 and 2, on the N. bdy. of the twp., in approximate latitude 39° 22' N., and longitude 112° 02' W., I set off 39° 22' N. on the lat. arc; 9° 26' S. on the decl. arc, and at 8h a. m., app. t., determine a meridian with the solar, and note that a post on ridge approximately 30 chs. from my station bears N. 0° 9' W.

October 18, 1918.

Continued cloudy weather prevented further observations until

October 22, 1918: With the transit on the same station it occupied for the solar observation of October 18, I make an hour angle observation on Polaris east of the meridian, at 5h 07.5m, p. m. l.m.t., making four observations, two each with the telescope in direct and reversed positions, and note the bearing of the post on ridge, by mean readings to be N. 0° 9' 45" W. The mean horizontal angle from Polaris to post is 1° 36' 45" to the W. Azimuth of Polaris is 1° 27' " to the E.

October 22, 1918.

October 23, 1918: At the cor. of secs. 15, 16, 21 and 22,

in approximate latitude 39° 20' N., longitude 112° 04' W., I make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb:

Mean observed altitude 39° 22'

Reduced latitude, . . . 39° 20'

Mean watch time of observation, 1h 11m 35s

Watch fast of local mean time, 1h 27m 06s

October 23, 1918: With the transit on the same station it occupied for the Polaris observation on October 22, at 3h 30m, p. m., app. t., I set off 39° 22' N. on the latitude arc; 11° 21' S., on the declination arc, and determine a meridian with the solar and find that the post on prominent ridge bears N. 0° 09' W.

October 23, 1918.

On July 30, 1919: the same Buff & Buff transit was tested on the above meridian, by taking both a. m. and p. m. observations and found to be in good adjustment.

The instrument was also frequently tested on a Polaris meridian during the progress of the survey and kept in good adjustment. Noon tests for latitude and declination were made every day when practicable.

RETRACEMENTS; SOUTH BOUNDARY; T. 17 S., R. 2 W.

(For corner descriptions, see notes of Resurvey of this boundary.)

From the cor. of secs. 32 and 33, on the S. bdy. of the twp.

East, on retracement line along the S. bdy. of sec. 33:

40.20 Fall 12 lks. S. of the ¼ sec. cor. lying loose in a cultivated field. This cor. showed every indications of being out of its original location; it therefore

Retracement of the S. bdy., T. 17 S., R. 2 W.

Chains.	
	was not used in connection with the restoration of missing cors. to the east.
	Continue same line with continuous measurement.
80.00	After diligent search, find no evidence of the cor. of secs. 3, 4, 33 and 34.
	Continue same line with continuous measurement bet. secs. 3 and 34.
121.95	Fall 57 lks. S. of the point for the ¼ sec. cor. for secs. 3 and 34, as located by reference to the bearing trees.
	The course of this line is therefore N. 89° 44' E., and the proportionate dist. for each half mile is 40.65 chs.

	From the point for the ¼ sec. cor. for secs. 3 and 34.
	S. 89° 48' E., on a retracement line.
39.65	Fall 30 lks. S. of the cor. of secs. 2, 3, 34 and 35.
	The course of this line is therefore N. 89° 46' E., and the dist. is 39.65 chs.

	From the cor. of secs. 2, 3, 34 and 35.
	S. 89° 48' E., on retracement line bet. secs. 2 and 35.
40.68	Fall 161 lks. S. of the point for the ¼ sec. cor. as located by reference to the bearing trees.
	The course of this line is therefore N. 87° 56' E., and the dist. is 40.71 chs.
	Continue same line with continuous measurement.
80.15	Fall 25 lks. N. of the cor. of secs. 1, 2, 35 and 36.
	The course of this line is therefore S. 87° 03' E., and the dist. is 39.51 chs.

	From the cor. of secs. 1, 2, 35 and 36.
	S. 89° 48' E., on retracement line bet. secs. 1 and 36.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
78.30	Fall 62 lks. N. of the cor. of Tps. 17 and 18 S., R. 2 W.
	The course of this line is therefore S. 89° 33' E., and the proportionate dist. for each half is 39.15 chs.

Chains	
	From the cor. of Tps. 17 and 18 S., R. 2 W.,
	N. 0° 21' E., on retracement line along the E. bdy. of sec. 36.
39.82	Fall 109 lks. E. of the ¼ sec. cor.
	The course of this line is therefore N. 1° 13' W., and the dist. is 39.83 chs.
	Continue same line with continuous measurement.
79.79	Fall 49 lks. E. of the cor. of secs. 25 and 36.
	The course of this line is therefore N. 1° 12' E., and the dist. is 39.98 chs.

	From the cor. of secs. 25 and 36.
	N. 0° 21' E., on retracement line along the E. bdy. of sec. 25.
36.68	Fall 1 lk. W. of the ¼ sec. cor.
	The course of this line is therefore N. 0° 22' E., and the dist. is 36.68 chs.
	Continue same line with continuous measurement.
80.29	Fall 51 lks. E. of the cor. of secs. 24 and 25.
	The course of this line is therefore N. 0° 20' W., and the dist. is 43.61 chs.

	From the cor. of secs. 24 and 25.
	N. 0° 21' E., on retracement line along the E. bdy. of sec. 24.
39.88	Fall 61 lks. W. of the ¼ sec. cor.
	Continue same line with continuous measurement.
79.44	Fall 54 lks. W. of the cor. of secs. 13 and 24.
	The course of the first half mile is therefore N. 1° 13' E.; and the dist. is 39.88 chs.
	The course of the second half mile is therefore N. 0° 15' E., and the dist. is 39.56 chs.

	From the cor. of secs. 13 and 24.
	N. 0° 21' E., on retracement line along the E. bdy. of

Retracement, E. bdy., T. 17 S., R. 2 W.

Chains.	
	sec. 13.
40.50	Fall 61 lks. E. of the ¼ sec. cor.
	The course of this line is therefore N. 0° 31' W., and the dist. is 40.50 chs.
	Continue same line with continuous measurement.
80.29	Fall 90 lks. E. of the cor. of secs. 12 and 13.
	The course of this line is therefore N. 0° 04' W., and the dist. is 39.79 chs.

	From the cor. of secs. 12 and 13.
	N. 0° 21' E., on retracement line along the E. bdy. sec. 12.
44.04	Fall 27 lks. E. of the ¼ sec. cor.
	The course of this line is therefore North, and the dist. is 44.04 chs.
	Continue same line with continuous measurement.
84.23	Fall 53 lks. E. of the cor. secs. 1 and 12.
	The course of this line is therefore N. 0° 01' W., and the dist. is 40.19 chs.

	Resurvey of portion of S. bdy., T. 17 S., R. 2 W.
	From the cor. of secs. 4, 5, 32 and 33, which is
	A red sandstone 19x14x6 ins. above ground, firmly set, marked as described by the surveyor general. Cor. set at fence corner.
	N. 89° 44' E., on resurvey line bet. secs. 4 and 33.
	Asc. over rolling land along E. and W. wire fence; cultivated land to the N. and dense sagebrush undergrowth to the S.
2.50	Wire fence cor. on line, angles N.
3.00	Centre line of state road, Nephi to Scipio, bears N. and S. (Arrowhead Trail)
3.65	Telephone line and wire fence, bears N. and S.; enter cultivated land.
40.00	Edge of cultivated land, bears N. and S., enter dense sagebrush undergrowth.

Chains.	
40.65	Proportionate measurement; Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 33 / S 4
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
66.00	Enter dense scrub cedar and pinon timber, bears N. and S.
81.30	Proportionate measurement; Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 3, 4, 33 and 34, with brass cap mkd.
	T 17 S R 2 W S 33 | S 34 S 4 | S 3 T 18 S
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
	Land, rolling.
	Soil, light sandy loam, 2 to 4 ft. deep, on dark clay subsoil in the western portion; light clay and gravel, shallow and rocky in the eastern portion.
	Timber, dense scrub cedar and pinon in the eastern portion.
	Undergrowth, sagebrush, particularly in the eastern portion; wheat stubble in the cultivated portion.
	Western exposure. Granite formation. Fair grazing.

	From the cor. of secs. 3, 4, 33 and 34.
	N. 89° 44' E., on resurvey line along the N. bdy. sec. 3.
	Asc. over mountainous land, through dense cedar and pinon timber.
17.10	Spur, projects NW., 220 ft. above sec. cor.; desc.
19.00	Head of ravine, drains N., 30 ft. below spur; asc. abruptly.
36.40	Ridge, bears NE. and SW., 290 ft. above head of ravine; desc. along south slope.
38.75	Westing of 40.00 chs. from the cor. of secs. 34 and 35.
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in

Chains

the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., sec. 34, with brass cap mkd.

¼ S 34

1919 from which

A cedar, 12 ins. diam., bears N. 41° W., 33 lks. dist., mkd. ¼ S34 BT.

A pinon, 12 ins. diam., bears N. 8° W., 27 lks. dist., mkd. ¼ S34 BT.

40.65 The ¼ sec. cor. for sec. 3, as restored by reference to the SW. bearing tree.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., sec. 3, with brass cap mkd.

¼ S 3

1918 from which

A pinon, 12 ins. diam., bears S. 80° W., 20 lks. dist., mkd. ¼ S3 BT. (Old BT.)

No other trees within limits suitable for bearing trees.

Raise a mound of stone, 2 ft.base, 1½ ft.high, S. of cor. N. 89° 46' E., on resurvey line, with continuous measurement.

63.60 Bottom of canon (Big Hollow) drains SW. Road in bottom bears NE. and SW.; asc.

78.75 Or 80.00 chs. westing from the cor. of secs. 35 and 36.

Set an iron post, 3 ft. long, 3 ins. diam., (no 2 in. iron post available for this cor.) 24 ins. in the ground, for the cor. of secs. 34 and 35, with brass cap mkd.

T 17 S R 2 W

S 34 | S 35

1919 from which

A cedar, 14 ins. diam., bears N. 62° E., 21 lks. dist., mkd. T17S R2W S35 BT.

A pinon, 10 ins. diam., bears N. 51° W., 118 lks. dist., mkd. T17S R2W S34 BT.

Resurvey, So. Bdy., T. 17 S., R. 2 W.

Chains.	
80.30	The cor. of secs. 2 and 3, which is
	A sandstone, 10x12x6 ins. above ground, firmly set; mkd. as described by the surveyor general, along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 2 and 3, with brass cap mkd.
	S 3 | S 2 T 18 S R 2 W 1918
	from which
	A cedar, 8 ins. diam., bears S. 72° 30' E., 31 lks. dist., mkd. T18S R2W S2 BT.
	A pinon, 8 ins. diam., bears S. 39° W., 44 lks. dist., mkd. T18S R2W S3 BT.
	Both trees are old bearing trees. I destroy all mks. on cor. and trees pertaining to T. 17 S.
	Corner established 150 ft. above canon.
	Land, mountainous.
	Soil, light yellow clay and gravel; shallow and rocky.
	Timber, dense cedar and pinon.
	Undergrowth, dense service and manzanita.
	General southern exposure. Sandstone formation. Poor grazing.

	From the cor. of secs. 2 and 3.
	N. 87° 56' E., on resurvey line along the N. bdy. of sec. 2.
	Asc. abruptly over rough mountainous land, through dense cedar and pinon timber, dense service, manzanita and brigham tea undergrowth.
13.20	Ridge, bears NE. and SW., 340 ft. above sec. cor.; desc. along south slope of ridge.
30.30	Bottom of asc. bears N. and S., 90 ft. below ridge; asc. along south slope of ridge.
38.48	Or 40.00 chs. westing from the cor. of secs. 35 and 36.

Chains.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor. sec. 35, with brass cap mkd.

¼ S 35

1919

from which

A cedar, 14 ins. diam., bears N. 78° E., 47 lks. dist., mkd. ¼ S35 BT.

A cedar, 10 ins. diam., bears N. 20° W., 42 lks. dist., mkd. ¼ S35 BT.

40.71 The ¼ sec. cor. sec. 2, which is

A sandstone, 20x10x5 ins. above ground, firmly set; mkd. as described by the surveyor general; along side of which

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. sec. 2, with brass cap mkd.

¼ S2

1918

from which

A pinon, 8 ins. diam., bears S. 13° W., 41 lks. dist., mkd. ¼ S2 BT.

A pinon, 10 ins. diam., bears S. 53° 30' E., 125 lks. dist., mkd. ¼ S2 BT. (Old BT.)

S.87° 08' E., with continuous measurement.

46.80 Spur, projects NW., 260 ft. above bottom of desc; asc. and enter dense scrub oak undergrowth, bears NW. and SE.

54.40 Leave dense, enter scattering scrub oak undergrowth, bears NW. and SE.

55.60 Head of ravine, drains NW., 10 ft. above spur; asc. bruptly.

76.90 Top of high ridge and divide bet. Round Valley and the Sevier River, bears N. and S., 480 ft. above head of ravine; leave dense cedar and pinon timber, enter dense scrub oak and mahogany undergrowth and scattering

Chains.

scrub cedar and pinon timber.

78.52 Or 80.00 chs. westing from the twp. cor.

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

T 17 S R 2 W
S 35 | S 36

1919

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

No trees within limits suitable for bearing trees.

80.22 The cor. of secs. 1 and 2, which is

A granite, 8x10x8 ins. above ground, firmly set; mkd. as described by the surveyor general; along side of which

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

S 2 | S 1
T 18 S R 2 W

1918

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

Cor. established 40 ft. below ridge.

Land, rough mountainous.

Soil, light red clay and loam, shallow and rocky.

Timber, dense cedar, pinon and mahogany.

Undergrowth, dense service, scrub oak, manzanita and sage,

General western and northwestern exposure. Granute and sandstone formation. Good grazing in the eastern portion.

From the cor. of secs. 1 and 2.

S. 89° 33' E., on resurvey line along the N. bdy. sec. 1.

Desc. gradually over mountainous land, through very scattering cedar and pinon timber, dense oak, manzanita and sagebrush undergrowth.

18.40 Spur, projects NE., 110 ft. below sec. cor.; continue desc.

Resurvey, S. bdy., T. 17 S., R. 2 W.

Chains.	
33.60	Ravine, drains NE.; 350 ft. below spur; asc. abruptly.
38.30	Or 40.00 chs. westing from the twp. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., sec. 36, with brass cap mkd.
	¼ S 36
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No trees within limits suitable for bearing trees.
39.15	Proportionate measurement.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. sec. 1, with brass cap mkd.
	¼ S 1
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	No trees within limits suitable for bearing trees.
	Cor. established in dense scrub oak brush on spur projecting N., 50 ft. above ravine; desc.
41.50	Ravine drains N., 80 ft. below spur; asc. abruptly.
60.00	Ridge, bears NE. and SW., 410 ft. above ravine; desc.
√78.30	The cor. of Tps. 17 and 18 S., R. 2 W., which is
	A sandstone, 8x6x8 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.
	Along side of which
	Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for the cor. of Tps. 17 and 18 S., R. 2 W., with brass cap mkd.
	T 17 S R 2 W S 36 ——— S 1 T 18 S
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Old bearing trees remain as described by the surveyor general.

Chains.	
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, dense sagebrush, mahogany, and scrub oak.
	General eastern exposure. Sandstone formation. Fair grazing.

	From the cor. of Tps. 17 and 18 S., R. 2 W.
	N. 1° 13' W., on a resurvey line along the E. bdy. sec. 36.
	Asc. over mountainous land, through scattering cedar and pinon timber, dense sagebrush, scrub oak, service, manzanita and maple undergrowth.
21.80	Spur, projects E., from the SW., 50 ft. above twp. cor.; desc. abruptly.
38.20	Canon, drains N. 70° E., 480 ft. below spur; asc. abruptly. Leave dense, enter scattering undergrowth and dense cedar and pinon timber.
39.83	The ¼ sec. cor., which is
	A limestone, 12x18x7 ins. above ground, firmly set; mkd. as described by the surveyor general; along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground. for the ¼ sec. cor. for sec. 36, with brass cap mkd.
	¼ S 36 | 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
	N. 1° 12' E., with continuous measurement.
72.40	Ridge, bears E. and W., 570 ft. above canon bottom; desc. abruptly; leave dense cedar and pinon timber, enter dense oak and service undergrowth.
79.81	The cor. of secs. 25 and 36, which is

Chains.

A limestone, 10x12x4 ins. above ground, firmly set; mkd. as described by the surveyor general, along side of which.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 25 and 36, with brass cap mkd.

T 17 S
S 25
S 36
R 2 W

1918

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

Cor. established 220 ft. below ridge.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, cedar and pinon.

Undergrowth, dense oak, sage, service, manzanita and maple.

General eastern exposure. Limestone and conglomerate formation. Poor grazing.

From the cor. of secs. 25 and 36.

N. 0° 22' E., on resurvey line along the E. bdy. of sec. 25.

Desc. abruptly over mountainous land, through dense scrub oak and service undergrowth.

6.50 Canon, drains N. 70° E., 210 ft. below sec. cor.; asc. abruptly through dense cedar and pinon timber.

30.50 Spur, projects NE., 200 ft. above canon; desc. gradually.

36.68 The old ¼ sec. cor., which is

A limestone, 8x12x10 ins. above ground, firmly set; mkd. as described by the surveyor general. I mark this for angle point.

N. 0° 20' W., with continuous measurement.

40.1½ Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor.

Chains.

for sec. 25, with brass cap mkd.

¼ | S 25 | 1918

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

No trees within limits suitable for bearing trees.

73.61 Canon, drains NE., 600 ft. below spur; asc. abruptly.

80.29 The cor. of secs. 24 and 25, which is

A limestone, 7x7x7 ins. above ground, firmly set; mkd. as described by the surveyor general, along side of which

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 24 and 25, with brass cap mkd.

T. 17 S
S 24
S 25
R 2 W
1918

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

No trees within limits suitable for bearing trees.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky; limestone and conglomerate outcroppings.

Timber, scattering cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, maple, mahogany and manzanita.

General northeastern exposure. Limestone and conglomerate formation. Fair grazing.

From the cor. of secs. 24 and 25.

N. 1° 13' E., on resurvey line along the E. bdy. sec. 24.

Asc. over mountainous land, through scattering scrub cedar and pinon timber, sagebrush, scrub oak, mahogany, service and manzanita undergrowth.

1.40 Ridge, bears NE. and SW., 20 ft. above sec. cor.; desc.

Chains.	
19.80	Ravine, drains N. 70° E., 130 ft. below ridge; asc.
39.88	The ¼ sec. cor., which is
	A quartzite, 3x13x 10 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general,
	along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., sec. 24, with brass cap mkd.
	¼ S 24 | 1918 from which
	A pinon, 10 ins. diam., bears S. 75° W., 57 lks. dist., mkd. ¼ S24 BT. (Old BT.)
	A cedar, 12 ins. diam., bears N. 37° W., 18 lks. dist., mkd. ¼ S24 BT.
	N. 0° 15' E., with continuous measurement.
54.30	Ridge, bears N. 70° E. and S. 70° W., 520 ft. above ravine; desc. abruptly.
79.44	The old cor. of secs. 13 and 24; now an AP., which is
	A sandstone, 15x18x8 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.
	I destroy all marks on this cor. and mark same A P.
	Along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for Angle point, with brass cap mkd.
	A P 1918 from which
	A cedar, 12 ins. diam., bears N. 0° 15' W., 64 lks. dist., mkd. T 17 S R 2 W AP BT.
	A pinon, 4 ins. diam., bears S. 85° W., 61 lks. dist., mkd. T17S R2W AP BT.
	This cor. was originally set for the cor. of secs. 13 and 24, and the marks on post and bearing trees subsequently changed to read as above recorded.

Chains.

Angle point established 510 ft. below ridge.

Land, mountainous.

Soil, light red clay and gravel, shallow and rocky.

Timber, dense scrub cedar and pinon.

Undergrowth, dense sagebrush, scrub oak, service and manzanita.

General eastern and northeastern exposure. Limestone and conglomerate formation. Poor grazing.

From the Angle Point.

N. 0° 31' W., on resurvey line along the E. bdy. sec. 24.

Desc. over mountainous land, through dense cedar and pinon timber, dense sagebrush, service and scrub oak undergrowth.

4.79 Subsequently; Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 13 and 24, with brass cap mkd.

T 17 S
S 13
S 24
R 2 W

1919

from which

A cedar, 8 ins. diam., bears S. 33° 30' W., 39 lks. dist., mkd. T17S R2 W S24 BT.

A cedar, 8 ins. diam., bears N. 8° W., 41 lks. dist., mkd. T17S R2W S13 BT.

Continue same line with continuous measurement along the E. bdy. sec. 13.

11.20 Head of ravine, drains N. 70° E., 130 ft. below angle point; asc.

18.60 Ridge, bears N. 70° E. and S. 70° W., 50 ft. above head of ravine; desc.

23.20 Ravine, drains E., 100 ft. below ridge; asc. abruptly.

36.80 Ridge, bears NE. and SW., 170 ft. above ravine; desc. abruptly.

40.50 The old ¼ sec. cor., now an angle point, which is

Resurvey, E. bdy. T. 17 S., R. 2 W.

Chains.	
	A limestone, 4x10x8 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general, along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the angle point, with brass cap mkd.
	A P 1918 from which
	A cedar, 6 ins. diam., bears S. 58° W., 34 lks. dist., mkd. A P BT.
	A cedar, 6 ins. diam., bears N. 29° W., 56 lks. dist., mkd. AP BT. (Old BTs.)
	This cor. was originally set for the ¼ sec. cor. and the marks subsequently changed to read as above recorded.
44.64	N. 0° 04' W., with continuous measurement. Proportional measurement bet. the cor. of secs. 12 and 13, and the cor. of secs. 13 and 24,
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone for the ¼ sec. cor. sec. 13, with brass cap mkd.
	¼ S 13 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
54.00	Head of hollow, drains E., 250 ft. below ridge; asc.
65.30	Ridge, bears E. and W., 80 ft. above head of hollow; desc.
76.00	Ravine, drains N. 60° E., 300 ft. below ridge; asc.
80.29	The old cor. of secs. 12 and 13, now an angle point, which is
	A limestone, 10x30x10 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general, along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for angle point, with brass cap mkd.

Resurvey, E. Bdy., T. 17 S., R. 2 W.

Chains.	
	A P
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	This cor. was originally set for the cor. of secs. 12 and 13, and the marks subsequently changed to read as above recorded.
	Cor. established 40 ft. below ravine.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense cedar and pinon.
	Undergrowth, dense scrub oak, service and sagebrush.
	General northern and northeastern exposure. Limestone formation. Poor grazing.

	From the angle point.
	North, on resurvey line along the E. bdy. sec. 13.
	Asc. over mountainous land, through scattering cedar and pinon timber, dense sagebrush undergrowth.
3.20	Ridge, bears N. 60° E., and S. 60° W., 30 ft. above angle point. Leave dense timber.
4.20	Subsequently. Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 12 and 13, with brass cap mkd.
	T 17 S S 12 | S 13 R 2 W.
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Continue same line with continuous measurement along the E. bdy. sec. 12.
44.04	The ¼ sec. cor., which is
	A limestone, 8x8x8 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.
	Along side of which

Resurvey, E. bdy., T. 17 S., R. 2 W.

Chains.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

¼
S 12
1918

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

Cor. established 560 ft. below ridge.

N. 0° 01' W., with continuous measurement.

84.23 The cor. of secs. 1 and 12, which is

A sandstone, 4x10x6 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.

Along side of which

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground. for the cor. of secs. 1 and 12, with brass cap mkd.

T 17 S
S 1
S 12
R 2 W
1918

from which

A cedar, 18 ins. diam., bears S. 29° W., 305 lks. dist., mkd. T17S R 2 W S12 BT.

No other trees within limits suitable for bearing trees.

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

Land, mountainous in the southern portion; rolling in the northern portion.

Soil, light clay and gravel, shallow and rocky.

Timber, dense cedar and pinon in the extreme southern portion, very scattering in the extreme northern postion.

Undergrowth, sagebrush.

General northern exposure. Limestone formation. Fair grazing.

Retracement and Resurvey of Subdivision.

From the cor. of secs. 1 and 12, in the E. bdy. of the township.

Chains.	
	West, on resurvey line bet. secs. 1 and 12.
	Asc. gradually over rolling land, through dense sagebrush undergrowth, and very scattering scrub cedar and pinon timber.
13.00	Top of asc. bears NE. and SW.; desc. gradually.
40.13	Fall 6 lks. N. of the ¼ sec. cor., which is
	A sandstone, 8x10x6 ins. above ground, firmly set, mkd. as described by the surveyor general; along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 1 / S 12
	1918
	Dig pits, 18x18x12 ins., 3 ft. dist., E. and W. of post.
	The course of this line is therefore S. 89° 55' W., and the dist. is 40.13 chs.
	Continue same line with continuous measurement.
59.10	New State Road (Arrowhead Trail, under construction) from Scipio to Nephi, bears N. and S.
63.30	Confluence of two washes, 10 lks. wide, 5 ft. deep, draining N. 10° W., one from the S. 10° E., and the other from S. 20° W.; asc. gradually.
80.34	The cor. of secs. 1, 2, 11 and 12, which is
	A sandstone, 8x12x6 ins. above ground, firmly set; mkd. as described by the surveyor general, along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 1, 2, 11 and 12, with brass cap mkd.
	T 17 S R 2 W S 2 | S 1 S 11 | S 12
	1918
	Dig pits, 18x18x12 ins., in each sec., 5½ ft. dist.,
	The course of this line is therefore N. 89° 55' W., and

Chains.

the dist. is 40.21 chs.

Land, gently rolling.

Soil, light clay and gravel, shallow.

Timber, very scattering cedar and pinon.

Undergrowth, dense sagebrush.

General northern exposure. Limestone and conglomerate formation. Fair grazing.

South, on resurvey line bet. secs. 11 and 12.

Asc. gradually over rolling land, through dense sagebrush undergrowth.

40.09 Fall 4 lks. E. of the ¼ sec. cor., which is

A sandstone, 6x12x4 ins. above ground, firmly set; mkd. as described by the surveyor general, along side of which

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

¼

S 11 | S 12

1918

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

The course of this line is therefore S. 0° 03' W., and the dist. is 40.09 chs.

Continue same line with continuous measurement.

80.13 Fall 16 lks. E. of the cor. of secs. 11, 12, 13 and 14, which is

A sandstone, 8x12x8 ins. above ground, firmly set; mkd. as described by the surveyor general, along side of which

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

T 17 S R 2 W

S 11 | S 12

S 14 | S 13

1918

Resurvey of Subdivision, T. 17 S., R. 2 W.

Chains.	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	The course of this line is therefore S. 0° 10' W., and the dist. is 40.04 chs.
	Land, gently rolling.
	Soil, light sandy loam, 2 to 4 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush.
	General northern exposure. Limestone and conglomerate formation. Good grazing.

?	South, on retracement line bet. secs. 13 and 14.
40.00	After diligent search, find no evidence of the ¼ sec. cor. Leave temp. point.
80.00	After diligent search, find no evidence of the cor. of secs. 13, 14, 23 and 24. Leave temp. point.

	From the cor. of secs. 15, 16, 21 and 22.
	(For description of cor., see notes on resurvey of this line.)
	East, on retracement line bet. secs. 15 and 22.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
80.00	After diligent search, find no evidence of the cor. of secs. 14, 15, 22 and 23. Leave temp. point.

	From the temp. point
	East, on retracement line bet. secs. 14 and 23.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
80.00	After diligent search, find no evidence of the cor. of secs. 13, 14, 23 and 24.
	From this temp. point, the temp. point left on line bet. secs. 13 and 14, bears East, 28 lks., and North 20 lks.
	Diligent search was made for the cor. of secs. 10, 11, 14 and 15; 2, 3, 10 and 11, and adjacent ¼ sec. cors., none of which were found.

Resurvey of Subdivision, T. 17 S., R. 2 W.

Chains.	
	I restore the cor. of secs. 13, 14, 23 and 24, by proportioning the course and distance bet. the cor. of secs. 11, 12, 13 and 14, and the cor. of secs. 15, 16, 21 and 22. (The work having been executed before the advent of the advance chapters of the new Manual) I establish the missing cor. 9 lks. West, and 7 lks. South of the temp. point left on line bet. secs. 13 and 14. At this point
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. of secs. 13, 14, 23 and 24, with brass cap mkd.
	T 17 S R 2 W S 14 | S 13 S 23 | S 24 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	The course of the line bet. secs. 13 and 14, is therefore S. 0° 4' W., and the proportional dist. is 80.07 chs.
	The course of the line bet. sces. 14 and 23, and secs. 15 and 22 is therefore S. 89° 55' W., and the proportional dist. is 80.09½ chs.
	S. 0° 04' W., on resurvey line bet. secs. 13 and 14.
	Asc. gradually over rolling land, through dense sagebrush undergrowth.
40.03½	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for the restored ¼ sec. cor., with brass cap mkd.
	¼ S. 14 | S 13 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
60.00	Enter dense cedar and pinon timber, bears NW. and SE.
62.00	Wash, 20 lks. wide, 15 ft. deep, drains NW., continue asc.
64.00	Leave dense cedar and pinon timber, bears NW. and SE.

Chains.	
74.00	Old wood-road, bears N. 10° E. and S. 10° W.
80.07	Proportional measurement. The cor. of secs. 13, 14, 23 and 24. (For cor. description, see page 24, this book.)
	Land, gently rolling.
	Soil, light sandy loam and gravel, 2 to 4 ft. deep.
	Timber, dense cedar and pinon bet. 60 and 64 chs.
	Undergrowth, dense sagebrush.
	General northwestern exposure. Limestone and conglomerate formation. Fair grazing.

	S. 89° 55' W., on resurvey line bet. secs. 14 and 23.
	Desc. over rolling land, through dense sagebrush undergrowth.
34.40	Draw, 5 lks. wide, 3 ft. deep, drains NE.; asc. gradually.
40.05	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.
	¼ S 14 / S 23
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
51.20	Wash, 10 lks. wide, 5 ft. deep, drains N., continue gradual asc.
65.20	Start more abrupt asc., bears N. and S.
71.80	Top of knoll; desc. gradually. Enter dense cedar and pinon timber, bears N. and S.
75.00	Leave dense cedar and pinon timber, bears NW. and SE.
80.09½	Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. of secs. 14, 15, 22 and 23, with brass cap mkd.
	T 17 S R 2 W.
	S 15 | S 14
	S 22 | S 23
	1918 from which
	A cedar, 10 ins. diam., bears N. 43° E., 286 lks. dist., mkd. T17S R2W S14 BT.

Chains.	
	No other trees within limits suitable for bearing trees.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling.
	Soil, light sandy loam and gravel, shallow and somewhat rocky.
	Timber, dense clusters of cedar and pinon.
	Undergrowth, dense sagebrush.
	Northern exposure. Limestone and conglomerate formation. Fair grazing.

	S. 89°. 55' W., on resurvey line bet. secs. 15 and 22.
	Asc. over rolling land, through dense sagebrush undergrowth and scattering scrub cedar and pinon timber.
11.60	Woodroad bears NW. and SE.
17.60	Branch from same woodroad bears SE. and SW.
24.70	Saddle in low ridge, bears N. and S. Old road in saddle bears E. and W.
34.50	State road (Arrowhead Trail) Scipio to Nephi, bears NE. and SW.; asc.
39.10	Telephone line bears NE. and SW.
40.05	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, on solid rock, in large mound of stone, for the restored ¼ sec. cor., with brass cap mkd.
	¼ S 15 / S 22
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No trees within limits suitable for bearing trees.
	Cor. established 50 ft. above road.
51.30	Ridge, bears N. and S. 170 ft. above ¼ sec. cor.; desc.
64.10	Dim road, bears N. and S.
80.09½	Proportional measurement. The cor. of secs. 15, 16, 21 and 22; which is
	A sandstone, 10x12x5 ins. above ground, firmly set; mkd. as described by the surveyor general. Along side of

Chains.	
	which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 15, 16, 21 and 22, with brass cap mkd.
	T 17 S R 2 W S 16 | S 15 S 21 | S 22 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
	Land, rolling.
	Soil, light clay and gravel, shallow and rocky in places.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, dense sagebrush.
	Northern exposure in the eastern portion; southern exposure in the western portion. Conglomerate formation.
	Fair grazing.

	South, on retracement line bet. secs. 21 and 22.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
80.00	After diligent search, find no evidence of the cor. of secs. 21, 22, 27 and 28; leave temp. point.

	From the temp. point.
	South, on retracement line bet. secs. 27 and 28, with continuous measurement.
122.38	Fall 75 lks. East, of the ¼ sec. cor. (For description, see notes of resurvey.)

	From the ¼ sec. cor. bet. secs. 21 and 28. (For description see notes of resurvey.)
	S. 89° 53' E., on retracement line bet. secs. 21 and 28.
40.06	Record distance. After diligent search, find no evidence of the cor. of secs. 21, 22, 27 and 28; leave temp. point.
	From this temp. point, the temp. point on line bet. secs.

Chains.

21 and 22, bears N. 263 lks. and E. 36 lks.

I restore the cor. of secs. 21, 22, 27 and 28, 36 lks. West, and 159 lks. South of the temp. point left. on line bet. secs. 21 and 22; being a proportion of distances only.

At this point

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

T 17 S R 2 W

S 21	S 22
S 28	S 27

1919

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

The course of the line bet. secs. 21 and 22 is therefore N. 0° 15' E., and the distance is 81.59 chs.

The course of the north half of the line bet. secs. 27 and 28 is therefore N. 0° 33' E. and the dist. is 40.79 chs.

The course of the east half of the line bet. secs. 21 and 28 is therefore N. 88° 37' E., and the dist. is 40.07 chs.

From the cor. of secs. 15, 16, 21 and 22.

S. 0° 15' W., on resurvey line bet. secs. 21 and 22.

Desc. over rolling land, through dense sagebrush undergrowth.

25.00 Bottom of gradual desc., bears E. and W.; asc. abruptly.

34.10 Ridge, bears E. and W., 100 ft. above bottom of desc; desc. abruptly. Enter scattering cedar and pinon timber, bears E. and W.

40.79½ Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock in large mound of stone, for the restored ¼ sec. cor., with brass cap mkd.

Chains.	
	$\frac{1}{4}$ S 21 | S 22 1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
74.53	Telephone line bears NE. and SW.
78.83	State Road, (Arrowhead Trail) Nephi to Scipio, bears NE. and SW.
81.59	The cor. of secs. 21, 22, 27 and 28, heretofore described.
	Land, rolling.
	Soil, light sandy loam, clay and gravel; shallow, and rocky in places.
	Timber, very scattering scrub cedar and pinon.
	Undergrowth, dense sagebrush.
	Northern exposure in the northern portion; southern exposure in the southern portion. Limestone and conglomerate formation. Fair grazing.

	S. 0° 33' W., on resurvey line bet. secs. 27 and 28.
	Asc. over rolling land, through dense sagebrush undergrowth.
10.20	Spur, projects E., 120 ft. above sec. cor.; desc.; scattering scrub cedar and pinon timber along spur.
40.79	The $\frac{1}{4}$ sec. cor., which is
	A sandstone, 4x14x10 ins. above ground, firmly set; mkd. as described by the surveyor general, along side of which set
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec. 28, with brass cap mkd.
	$\frac{1}{4}$ S 28 | 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	From the $\frac{1}{4}$ sec. cor.

Resurvey of Subdivision, T. 17 S., R. 2 W.

Chains.	
	South, on retracement line.
40.15	Fall 68 lks. W. of the cor. of secs. 27, 28, 33 and 34, subsequently changed to the cor. of secs. 28 and 33.
	From the ¼ sec. cor.,
	S. 0° 58' E., on resurvey line:
1.49	Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for the ¼ sec. cor. sec. 27, with brass cap mkd.
	¼ S 27 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
23.20	Enter scattering scrub cedar and pinon timber, bears NE. and SW.
32.60	Low spur, projects W.; leave scattering timber, bears NE. and SW.
39.00	Woodroad, bears NE. and SW., in draw draining SW.
40.15	The cor. of secs. 28 and 33, which is
	A sandstone, 6x6x6 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general; along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 28 and 33, with brass cap mkd.
	T 17 S R 2 W S 28 / S 33 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	This cor. was originally set for four secs. and the marks subsequently changed to read as above recorded.
	Land, rolling.
	Soil, light sandy loam, 2 to 4 ft. deep, on gravel subsoil; shallow and rocky on the spurs.
	Timber, scattering clusters of scrub cedar and pinon.
	Undergrowth, dense sagebrush.

Chains.	
	From the cor. of secs. 28 and 33.
	South, on retracement line along the E. bdy. sec. 33.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
80.11	Fall 152 lks. W. of the restored cor. of secs. 3, 34, 33 and 34 on the S. bdy. of the twp., heretofore described.
	The course of this line is therefore S. 1° 05' E., and the dist. is 80.12 chs.

	From the cor. of secs. 28 and 33, S. 1° 05' E., on resurvey line along the E. bdy. sec. 33.
	Asc. over rolling land, through scattering cedar and pinon timber, dense sagebrush undergrowth.
1.34	Subsequently, the point for the cor. of secs. 27 and 34. (For establishment and description of cor., see notes of line bet. secs. 27 and 34, this book.)
8.60	Spur, projects W., 70 ft. above sec. cor.; desc.
12.00	Wood road, bears E. and W.; start gradual asc.
35.60	Wood road, bears E. and W. in draw.
40.06	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in a large mound of stone, for the ¼ sec. cor. sec. 33, with brass cap mkd.
	¼ S 33 | 1918 from which
	A cedar, 4 ins. diam., bears N. 60° W., 44 lks. dist., mkd. ¼ S33 BT.
	No other suitable trees within limits for bearing trees. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
41.34	Subsequently, Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. sec. 34, with brass cap mkd.
	| ¼ S 34 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

Chains.	
	No trees within limits suitable for bearing trees.
42.50	Spur, projects W., 70 ft. above wood road; desc.
51.80	Ravine, drains NW., 40 ft. below spur; asc.
62.80	Spur, projects NW., 100 ft. above ravine; desc.
69.70	Ravine. drains NW., 100 ft. below spur; asc.
78.90	Spur, projects W., 180 ft. above ravine; desc.
80.12	The restored cor. of secs. 3, 4, 33, and 34, on S. bdy. of the twp., heretofore described.
	Land, rolling, becoming rougher in the southern portion.
	Soil, light clay and gravel, shallow and rocky.
	Timber, scattering scrub cedar and pinon, becoming more dense in the southern portion.
	Undergrowth, dense sagebrush.
	General western and northwestern exposure. Sandstone formation. Fair grazing.

	From the cor. of secs. 15, 16, 21 and 22.
	North, on retracement line bet. secs. 15 and 16.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
80.10	Fall 2 lks. E. of the cor. of secs. 9, 10, 15 and 16,
	The course of this line is therefore N. 0° 01' W., and the dist. is 80.10 chs.

	From the cor. of secs. 15, 16, 21 and 22.
	N. 0° 01' W., on resurvey line bet. secs. 15 and 16.
	Asc. over rolling land, through scattering cedar and pinon timber, dense sagebrush undergrowth.
31.30	Top of knoll, 300 ft. above sec. cor.; enter dense cedar and pinon timber, bears E. and W.
40.05	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.

¼

S 16 | S 15

1919

Chains.	
	from which
	A cedar, 8 ins. diam., bears S. 80° E.,
	54 lks. dist., mkd. ¼ S15 BT.
	A cedar, 8 ins. diam., bears S. 68° W.,
	70 lks. dist., mkd. ¼ S16 BT.
80.10	The cor. of secs. 9, 10, 15 and 16, which is
	A sandstone, 10x10x6 ins. above ground, firmly set;
	marked with 4 notches on the S. and 3 notches on the
	E. edges; no accessories. Along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in
	the ground, for the cor. of secs. 9, 10, 15 and 16,
	with brass cap mkd.

T 17 S R 2 W

S 9	S 10
S 16	S 15

1919 from which

A pinon, 12 ins. diam., bears N. 26° 30' E.,
60 lks. dist. mkd. T17S R2W S10 BT.
A cedar, 8 ins. diam., bears S. 77° 30' E.,
16 lks. dist., mkd. T17S R2W S15 BT.
A cedar 8 ins. diam., bears S. 13° W.,
74 lks. dist., mkd. T17S R2W S16 BT.
A cedar, 16 ins. diam., bears N. 85° W.,
21 lks. dist., mkd. T17S R2W S9 BT.

Cor. established 80 ft. below ¼ sec. cor.
Land, rolling.
Soil, light clay and gravel, shallow.
Timber, scattering and dense cedar and pinon.
Undergrowth, dense sagebrush and scattering brigham tea.
General southern exposure in the extreme southern portion; northern exposure on remainder of mile.
Conglomerate formation. Fair grazing.

From the restored cor. of secs. 21, 22, 27 and 28.
S. 88° 37' W., on resurvey line bet. secs. 21 and 28.
Desc. gradually over rolling mountainous land, through

Resurvey of Subdivision, T. 17 S., R. 2 W.

Chains.	
	dense sagebrush undergrowth.
1.20	State Road (Arrowhead Trail) from Nephi to Scipio, on curve from N. to SW.
4.70	Telephone line, bears NE. and SW.
10.00	Wash, 10 lks. wide, 5 ft. deep, drains S., asc.
22.20	Ridge, bears N. and S., 130 ft. above wash; desc. Enter scattering scrub cedar and pinon timber.
34.20	Leave scattering timber, bears N. and S.; enter cultivated land.
40.07	The ¼ sec. cor., which is
	A sandstone, 8x5x10 ins. above ground, firmly set; mkd. ¼ on N. face; along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 21 / S 28
	1919
	I build no accessories on account of the cultivated land.
	Cor. established at the N. end of a N. and S. fence.
	From the ¼ sec. cor.
	West, on resurvey line.
	Continue through cultivated land.
39.93	Fall 8 lks. S. of the cor. of secs. 20, 21, 28 and 29, which is
	A sandstone, 12x12x12 ins. above ground, firmly set; marked with 2 notches on the S. and 4 notches on the E. edges; no accessories. Along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 20, 21, 28 and 29, with brass cap mkd.
	T 17 S R 2 W S 20 | S 21 S 29 | S 28
	1919
	Cor. located in cultivated land; build no accessories.
	The course of this line is N.89°53'W., and distance 39.93 chs.
	Land rolling.

Chains.	
	Soil, light clay and gravel, shallow and rocky in the uncultivated portion; light sandy loam, 2 to 4 ft. deep in cultivated portion.
	Timber, scattering cedar and pinon, along N. and S. ridge.
	Undergrowth, sagebrush in the uncultivated portion.
	General southern exposure. Conglomerate formation. Fair grazing.

	From the cor. of secs. 20, 21, 28 and 29.
	North, on resurvey line, bet. secs. 20 and 21.
	Asc. gradually over gently rolling land through cultivated field.
19.30	Wire fence, bears E. and W.; leave cultivated land, enter dense sagebrush.
25.00	Start abrupt asc., bears NE. and SW.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.
	¼ | S 20 | S 21 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	For land and soil description, see notes of the resurvey of the north half mile.

	From the cor. of secs. 15, 16, 21 and 22.
	West, on resurvey line bet. secs. 16 and 21.
	Asc. gradually over gently rolling land, through dense sagebrush undergrowth.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the restored ¼ sec. cor., with brass cap mkd.
	¼ S 16 / S 21 / 1919

Chains.	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	For land and soil description, see notes of the survey of the west half mile.

	From the cor. of secs. 9, 10, 15 and 16.
	N. 89° 51' W., on retracement line bet. secs. 9 and 16.
39.41	Fall 21 lks. N. of the ¼ sec. cor., For cor. descriptions, see notes on resurvey of this line.
	The course of this line is therefore, S. 89° 51' W., and the dist. is 39.41 chs.
	From the ¼ sec. cor.
	I retrace the remaining portion of the line bet. secs. 9 and 16, the line bet. secs. 8 and 17, and the line bet. secs. 7 and 18, making diligent search for sec. and ¼ sec. cor., at record course and distances, none of which were found, until at
201.41	Fall 73.1lks. N. of the cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the twp., which is
	A sandstone, 8x8x12 ins. above ground, firmly set; mkd. as described by the surveyor general.
	I return and adjust all cor. points to their proper proportional latitudinal positions.

	From the ¼ sec. cor. bet. secs. 4 and 5, which is
	A sandstone, 6x6x6 ins. above ground, firmly set; mkd. with ¼ on the W. face.
	South, on retracement line bet. secs. 4 and 5, and secs. 8 and 9, making diligent search at 40 and 80 chs. for cors., none of which were found. At
120.00	Record dist. Leave temp. point for the cor. of secs. 8, 9, 16 and 17. From this point, the point left at a proportionate dist. on latitudinal line connecting cor. of secs. 7, 12, 13 and 18, on the W. bdy. of the twp. and the ¼ sec. cor. bet. secs. 9 and 16, bears South, 146 lks. and West, 228 lks.

Chains.	
	From the ¼ sec. cor. bet. secs. 29 and 30, which is
	A sandstone, 4x10x6 ins. above ground, firmly set; mkd. with ¼ on the W. face.
	North, on retracement line bet. secs. 29 and 30, 19 and 20, 17 and 18, and 7 and 8, making diligent search for cors. at 40 chain intervals, none of which were found until at
283.08	Fall 22 lks. W. of the cor. of secs. 5, 6, 7 and 8, which is
	A sandstone, 6x8x4 ins. above ground, firmly set; mkd. with 5 notches on the S. and E. edges.
	I return and adjust all cor. points to their proper proportional meridional positions on line bet. the two cors.
	From the point on this line for the cors of secs. 7, 8, 17 and 18, the point on the latitudinal line for the same cor. bears South 81 lks. and West 22 lks.

	From the ¼ sec. cor. bet. secs. 20 and 29. West.
	I retrace the remaining portion of the line bet. secs. 20 and 29, and the line bet. secs. 19 and 30, making diligent search at intervals of 40 chains for sec. and ¼ sec. cors., none of which were found until at
120.50	Fall 58 lks. S. of the cor. of secs. 19, 24, 25 and 30, on the W. bdy. of the twp., which is
	A sandstone, 4x14x16 ins. above ground, firmly set, mkd. with 6 notches on the E. and W. edges, 4 notches on the N. and 2 notches on the S. edges.
	I return and adjust all cor. points to their proper proportional latitudinal positions on line bet. the two old cors.
	From the point on this line for the cor. of secs. 19, 20, 29 and 30, the point on the meridional line for the same cor. bears North 74 lks. and East 56 lks.

Chains.	
	From the cor. of secs. 13, 18, 19 and 24, on the W. bdy. of the twp., which is
	A sandstone, 10x3x18 ins. above ground, firmly set; mkd. with 6 notches on the E. and W. edges, 3 notches on the N. and S. edges.
	N. 89° 42' E., on retracement line bet. secs. 18 and 19.
80.38	Record dist. After diligent search, find no evidence of the cor. of secs. 17, 18, 19 and 20. Search was also made for the ¼ sec. cor. bet. secs. 18 and 19 at record dist., but no cor. found.
	The point on this line for the cor. of secs. 17, 18, 19 and 20, the proportional point on the meridional line for the same cor. bears East 83 lks.

	From the cor. of secs. 9, 10, 15 and 16.
	S. 89° 51' W., on resurvey line bet. secs. 9 and 16.
	Asc. over rolling land, through very scattering scrub cedar and pinon timber, dense sagebrush undergrowth.
16.50	Top of low ridge, bears N. and S., 50 ft. above sec. cor.; desc.
34.40	Road, Scipio to Mills, bears N. and S.
39.41	The ¼ sec. cor., which is
	A sandstone, 4x6x4 ins. above ground, firmly set, mkd. ¼ on the S face. I reset this cor., placing the ¼ to the N., and along side of same
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 9 / S 16
	1919
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N. of cor.
	No trees within limits suitable for bearing trees.
	From the ¼ sec. cor.
	N. 88° 07' W., on resurvey line.
	Start gradual asc., bears N. and S.

Chains.	
20.50	Spur, projects N., 30 ft. above ¼ sec. cor.; desc.
36.50	Draw, drains N., 100 ft. below spur; asc. Old road in bottom, bears N. and S.
40.38	The proportional point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. of secs. 8, 9, 16 and 17, with brass cap mkd.

T 17 S R 2 W

S 8	S 9
S 17	S 16

1919

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

No trees within limits suitable for bearing trees.

Land, rolling.

Soil, light sandy loam, more than 2 ft. deep in draws; shallow and rocky on ridge.

Timber, very scattering scrub cedar and pinon.

Undergrowth, dense sagebrush.

General northern exposure. Sandstone formation. Good grazing.

South, on resurvey line bet. secs. 16 and 17.

Asc. gradually over gently rolling land, through very scattering scrub cedar and pinon timber, dense sagebrush undergrowth.

40.00	After diligent search, find no evidence of the ¼ sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.

¼

S 17 | S 16

1919

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

For land description, see notes of the survey of the

Chains.	
	southern portion of this line.
	From the cor. of secs. 20, 21, 28 and 29.
	S. 89° 41' W., on resurvey line bet. secs. 20 and 29.
	Asc. gradually over rolling land, through cultivated field.
35.00	Leave cultivated land, bears NE. and SW., asc. through dense sagebrush undergrowth.
40.10	Fall 6 lks. S. of the ¼ sec. cor., which is
	A sandstone, 10x4x18 ins. above ground firmly set; mkd. ¼ on the N. face, along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 20 / S 29
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Cor. located in fence cor., fence bears S. and NE., 70 ft. above sec. cor. Start desc.
	The course of this line is therefore S. 89° 46' W., and the dist. is 40.10 chs.
	From the ¼ sec. cor.
	N. 88° 40' W.
40.01	The proportionate point for the cor. of secs. 19, 20, 29 and 30.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in theground, for the restored cor. of secs. 19, 20, 29 and 30, with brass cap mkd.
	T 17 S R 2 W S 19 | S 20 S 30 | S 29
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling.
	Soil, light sandy loam, 2 to 4 ft. deep on dark clay subsoil, in the cultivated portion. Light yellow

Chains.

clay, shallow and rocky on the remaining portion of the line.

Timber, a few very scattering scrub cedar and pinon north of line, in the western portion of the line.

Undergrowth, dense sagebsuh, in the uncultivated portion.

General southern exposure. Sandstone formation. Fair grazing.

N. 0° 9' W., on resurvey line bet. secs. 19 and 20.

Asc. gradually over gently rolling land, through dense sagebrush undergrowth, and very scattering scrub cedar and pinon timber.

11.20 Enter dense timber, bears NE. and SW.

40.44 Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.

¼

S 19 | S 20

1919

Raise a mound of stone, 2 ft. base, ½ ft. high, W. of cor.

No trees within limits suitabel for bearing trees.

80.88 Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the restored cor. for secs. 18 and 19, only, with brass cap mkd.

T 17 S
S 18 |
S 19
R 2 W |

1919

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

No trees wihtin limits suitable for bearing trees.

Land, gently rolling.

Soil, light clay and gravel, shallow and rocky.

Timber, very scrubby cedar and pinon.

Undergrowth, dense sagebrush.

Chains.	
	General southeastern exposure. Sandstone formation. Fair grazing.
	N. 0° 29' E., on resurvey line along the E. bdy. of sec. 18.
	Asc. gradually over rolling land, through dense scrub cedar and pinon timber, dense sagebrush and grass undergrowth.
.85	Subsequently the point for the cor. of secs. 17 and 20. (For establishment and description, see notes of line bet. secs. 17 and 20.)
12.00	Ridge, bears NE. and SW., 80 ft. above sec. cor.; desc.
17.00	Draw, drains SW., 40 ft. below ridge; asc.
26.90	Ridge, bears E. and W., 70 ft. above draw; desc.
40.44	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.

¼

S 18 | S 17

1919

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

No trees within limits suitable for bearing trees.

63.00	Leave dense scrub timber, bears E. and W., desc. gradually over open sagebrush flat.
80.88	Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor of secs. 7, 8, 17 and 18, with brass cap mkd.

T 17 S R 2 W

S 7	S 8
S 18	S 17

1919

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

Land, rolling.

Soil, light clay and gravel, hallow and rocky.

Timber, dense scrub cedar and pinon.

Undergrowth, dense sagebrush and grass.

Chains.	
	General eastern exposure in the southern portion; northern exposure in the northern portion. Sandstone formation. Good grazing.
	N. 89° 19' E., on resurvey line bet. secs. 8 and 17.
	Asc. gradually over gently rolling land, through dense sagebrush undergrowth.
16.00	Low spur, projects N., 20 ft. above sec. cor.; desc. gradually. Enter scattering scrub cedar and pinon timber, bears N. and S.
40.20	Proportional measurement. Set an iron post, 3 ft. long 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.
	¼ S 8 / S 17
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No trees within limits suitable for bearing trees.
80.40	The restored cor. of secs. 8, 9, 16 and 17.
	Land, gently rolling.
	Soil, light clay and gravel, shallow and rocky.
	Timber, very scattering scrub cedar and pinon.
	Undergrowth, dense sagebrush and grass.
	General northern exposure. Sandstone formation. Good grazing.
	Subdivision, T. 17 S., R. 2 W.
	From the cor. of secs. 35 and 36, on the S. bdy. of the twp., heretofore described.
	N. 0° 03' E., on computed random line bet. secs. 35 and 36, 25 and 26, and 23 and 24, setting temp. cors. at intervals of 40.00 and 80.00 chs.
243.78	Fall 14 lks. W. of the cor. of secs. 13, 14, 23 and 24.
	The course of this line is therefore N. 0° 05' E.
	From the cor. of secs. 25 and 36, on the E. bdy. of the

Chains.	
	twp., heretofore described.
	West, on random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect the N. and S. line, N. 0° 5' E., 79.48 chs. from the cor. of secs. 35 and 36, on the S. bdy. of the twp. At point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 25, 26, 35 and 36, with brass cap mkd.

T 17 S R 2 W

S 26	S 25
S 35	S 36

1919 from which

A pinon, 8 ins. diam., bears N. 42° 30' E., 61 lks. dist., mkd. T17S R2W S25 BT.

A pinon, 10 ins. diam., bears S. 11° 30' E., 42 lks. dist., mkd. T17S R2W S36 BT.

A pinon, 8 ins. diam., bears S. 79° W., 210 lks. dist., mkd. T17S R2W S35 BT.

A cedar, 5 ins. diam., bears N. 17° W., 5 lks. dist., mkd. T17S R2W S26 BT.

	Thence East
	On Sectional Correction line bet. secs. 25 and 36
	Desc. over rough mountainous land, through dense cedar and pinon timber, dense sagebrush, scrub oak, mahogany, and manzanita undergrowth.
19.40	Ravine, drains N., 130 ft. below sec. cor.; ascend.
40.08	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.

¼ S 25 / S 36

1919 from which

An oak, 6 ins. diam., bears S. 12° E., 121 lks. dist., mkd. ¼ S36 BT.

A cedar, 12 ins. diam., bears N. 70° W.,

Chains.	
	93 lks. dist., mkd. ¼ S25 BT.
	Cor. established 200 ft. above ravine; desc. over rolling mountain top.
70.90	Canon, drains N., 270 ft. below ¼ sec. cor.; asc. over S. slope of canon.
80.16	The cor. of secs. 25 and 36 on the E. bdy. of the twp.
	Land, mountainous.
	Soil, dark sandy loam, 2 to 4 ft. deep, on light clay subsoil.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush, scrub oak, mahogany, and manzanita.
	General northern exposure. Limestone formation. Good grazing.

	From the cor. of secs. 25, 26, 35 and 36.
	S. 0° 5' W., on true line bet. secs. 35 and 36.
	Desc. gradually over mountainous land, through dense cedar and pinon timber, dense sagebrush, scrub oak, mahogany and manzanita undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 35 | S 36 1919 from which
	A cedar, 10 ins. diam., bears S. 65° E., 31 lks. dist., mkd. ¼ S36 BT.
	A cedar, 10 ins. diam., bears S. 36° W., 42 lks. dist., mkd. ¼ S35 BT.
79.48	The cor. of secs. 35 and 36, on the S. bdy. of the twp.
	Land, mountainous.
	Soil, dark sandy loam, 2 to 4 ft. deep, on light clay subsoil.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush, scrub oak, mahogany and

Chains.	
	manzanita.
	General southern and southwestern exposure. Limestone formation. Good grazing.

	From the cor. of secs. 25, 26, 35 and 36.
	N. 0° 5' E., bet. secs. 25 and 26.
	Desc. over rough mountainous land, through dense scrub cedar and pinon timber, dense sagrbsuh, scrub oak, mahogany and manzanita undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ / S 26 | S 25 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
51.50	Ravine, drains W., 350 ft. below ¼ sec. cor.; asc.
68.00	Spur projects W., 150 ft. above ravine; desc.
74.50	Ravine, drains W., 220 ft. below spur; asc.
80.00	Set an iron pot, 3 ft. long, 2 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 23, 24, 25 and 26, with brass cap mkd.
	T 17 S R 2 W S 23 | S 24 S 26 | S 25 1919
	from which
	A cedar, 16 ins. diam., bears N. 33° E., 119 lks. dist., mkd. T17S R2W S24 BT.
	A cedar, 6 ins. diam., bears S. 78° E., 32 lks. dist., mkd. T17S R2W S25 BT.
	No other trees within limits suitable for bearing trees.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous.
	Soil, light sandy loam, 2 to 4 ft. deep, on light clay subsoil.

Chains.	
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush, scrub oak, mahogany and manzanita.
	General northern and northwestern exposure. Limestone formation. Good grazing.

	From the cor. of secs. 23, 24, 25 and 26.
	East, on random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.30	Fall 40 lks. S. of the cor. of secs. 24 and 25, on the E. bdy. of the twp. heretofore decsribed.
	S. 89° 43' W., on true line bet. secs. 24 and 25.
	Asc. over mountainous land, through dense cedar and pinon timber, dense sagebrush and mountain rush undergrowth.
40.15	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 24 / S 25
	1919 from which
	A cedar, 6 ins. diam., bears N. 28° E., 27 lks. dist., mkd. ¼ S24 BT.
	A pinon, 8 ins. diam., bears S. 78° E., 18 lks. dist., mkd. ¼ S25 BT.
	Cor. established on high point of ridge, bearing N. and S., 550 ft. above sec. cor.; desc.
80.30	The cor. of secs. 23, 24, 25 and 26, 400 ft. below point of ridge.
	Land, mountainous.
	Soil, light sandy loam more than 2 ft. deep on light clay subsoil.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush, and mountainrush.
	General northern exposure. Limestone and sandstone formation. Fair grazing.

Chains.	
	N. 0° 5' E., on true line bet. secs. 23 and 24.
	Desc, over rolling mountainous land, through dense scrub cedar and pinon timber, dense sagebrush and mountain rush undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 23 | S 24 1919.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
	Cor. established, 620 ft. below sec. cor.; continue desc.
84.30	The cor. of secs. 13, 14, 23 and 24, 150 ft. below ¼ sec. cor.
	Land, mountainous.
	Soil, light sandy loam, 2 to 4 ft. deep, on light clay subsoil, rocky in places.
	Timber. dense scrub cedar and pinon.
	Undergrowth, dense sagebrush and mountain rush.
	General western and northwestern exposure. Lime and sandstone formation. Fair grazing.

	East, on true line bet. secs. 13 and 24.
	Asc. over rolling mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.
20.00	Start abrupt asc. and enter dense cedar and pinon timber, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 13 / S 24
	1919 from which
	A pinon, 6 ins. diam., bears S. 52° 30' E., 32 lks. dist., mkd. ¼ S24 BT.

Chains.

A pinon, 8 ins. diam., bears N. 12° W., 38 lks. dist., mkd. ¼ S13 BT.

Cor. established 200 ft. above sec. cor.; continue asc.

73.60 Ridge, bears N. and S., 130 ft. above ¼ sec. cor.; desc. gradually.

81.18 Intersect the E. bdy. of the twp., 4.79 chs., N. 0° 31' W. of the angle point. At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground and large mound of stone, for the cor. of secs. 13 and 24, with brass cap mkd.

T 17 S
S 13 | S 24
R 2 W

1919 from which

A cedar, 8 ins. diam., bears S. 33° 30' W., 39 lks. dist., mkd. T17S R2W S24 BT.

A cedar, 8 ins. diam., bears N. 8° W., 41 lks. dist., mkd. T17S R2W S13 BT.

Cor established 30 ft. below ridge.

Land, mountainous.

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

Timber, scrub cedar and pinon.

Undergrowth, sagebrush.

Western exposure in the western portion; eastern exposure in the eastern portion.

Limestone and sandstone formation. Fair grazing.

From the cor. of secs. 11, 12, 13 and 14.

East, on random line bet. secs. 12 and 13.

40.00 Set temp. ¼ sec. cor.

80.86 Intersect the E. bdy. of the twp., 4.20 chs. N. of the angle point. (For cor. description, See Page 19.)

West, on true line bet. secs. 12 and 13.

Asc. over rolling land, through sagebrush undergrowth.

Subdivision, T. 17 S., R. 2 W.

Chains.	
4.20	Spur, projects NW., 40 ft. above sec. cor.; desc.; enter scattering scrub cedar and pinon timber, bears NW. and SE.
40.43	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., sec. 12, with brass cap mkd.
	¼ S 12 / 1919
	from which A cedar, 12 ins. diam., bears N. 42° 30' E., 169 lks. dist., mkd. ¼ S12 BT.
	A cedar, 8 ins. diam., bears N. 18° E., 242 lks. dist., mkd. ¼ S12 BT.
40.86	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 13, with brass cap mkd.
	¼ S 13 / 1919
	from which A cedar, 8 ins. diam., bears S. 65° 30' E., 64 lks. dist., mkd. ¼ S13 BT.
	A cedar, 4 ins. diam., bears S. 46° 30' W., 369 lks. dist., mkd. ¼ S13 BT.
80.86	The cor. of secs. 11, 12, 13 and 14.
	Land, rolling.
	Soil, light sandy loam, 2 ft. deep on light clay subsoil.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, dense sagebrush.
	General northern exposure.
	Sandstone and conglomerate formation. Fair grazing.

	From the cor. of secs. 14, 15, 22 and 23.
	South, on random line bet. secs. 22 and 23.
40.00	Set temp. ¼ sec. cor.
81.60	Computed dist. Set temp. cor. of secs. 22 and 27.

Chains.	
	From the cor. of secs. 21, 22, 27 and 28.
	East, on random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.62	Fall 30 lks. S. of the temp. cor. on line bet. secs. 22 and 23. At this point
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 22 and 27, with brass cap mkd.
	T 17 S S 22 S 27 R 2 W 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

	From the cor. of secs. 22 and 27.
	North, on true line bet. secs. 22 and 23.
	Asc. over rolling mountainous land, through dense sagebrush undergrowth.
7.10	Enter scattering scrub cedar and pinon timber, bears NE. and SW.
37.47	Subsequently, set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. sec. 23, with brass cap mkd.
	¼ S 23 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	No trees within limits suitable for bearing trees.
41.90	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. sec. 22, with brass cap mkd.
	¼ S 22 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Chains.	
	No trees within limits suitable for bearing trees.
47.90	Low ridge, bears E. and W., desc. gradually.
71.90	Old road, bears E. and W., thence open sage flat.
81.90	The cor. of secs. 14, 15, 22 and 23, 200 ft. below ridge.
	Land, rolling.
	Soil, light clay and loam, shallow and rocky.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, dense sagebrush.
	General eastern and northeastern exposure.
	Sandstone formation. Fair grazing.

	From the cor. of secs. 22 and 27.
	West, on true line bet. secs. 22 and 27.
	Asc. over rolling mountainous land, through dense cedar and pinon timber, dense sagebrush undergrowth.
33.30	Ridge, bears N. and S., 500 ft. above sec. cor.; desc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 27, with brass cap mkd.
	¼ S 27
	1919 from which
	A cedar, 20 ins. diam., bears S. 1° W., 18 lks. dist., mkd. ¼ S27 BT.
	A cedar, 16 ins. diam., bears S. 60° W., 38 lks. dist., mkd. ¼ S27 BT.
	Cor. established on broken west slope of ridge, 150 ft. below top; continue desc.
40.62	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., sec. 22, with brass cap mkd.
	¼ S 22
	1919 from which
	A pinon, 8 ins. diam., bears N. 63° 30' E., 41 lks. dist., mkd. ¼ S22 BT.
	A pinon, 8 ins. diam., bears N. 78° W.,

Chains.	
	52 lks. dist., mkd. ¼ S22 BT.
60.90	Old wood road at bottom of abrupt desc., bears N. and S., 360 ft. below ¼ sec. cor. sec. 27; desc. gradually. Leave timber, enter sagebrush opening.
80.62	The cor. of secs. 21, 22, 27 and 28.
	Land, rolling mountainous.
	Soil, light sandy clay, shallow and rocky in the eastern portion. 2 ft. deep on gravel subsoil in the western portion.
	Timber, dense cedar and pinon, particularly on the N. and S. ridge.
	Undergrowth, dense sagebrush.
	Eastern exposure in the eastern portion. western and south western exposure in the western portion of the line. Sandstone formation. Fair grazing.

	From the cor. of secs. 25, 26, 35 and 36.
	West, on random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. secs. 26, 27, 34 and 35.

	S. 0° 04' E., on a random line bet. secs. 34 and 35.
40.00	Set temp. ¼ sec. cor.
78.81	Fall 16 lks. E. of the cor. of secs. 34 and 35, on the S. bdy. of the twp., heretofore described.

	From the cor. of secs. 34 and 35, on the S. bdy. of the twp., heretofore described.
	N. 0° 04' E., on true line bet. secs. 34 and 35.
	Desc. over rough mountainous land, through dense cedar and pinon timber, dense sagebrush, scrub oak and mahogany undergrowth.
11.50	"Big Hollow" drains SW., 50 ft. below sec. cor. Road in bottom, bears NE. and SW.; asc. abruptly.
24.68	Ridge, bears E. and W., 220 ft. above bottom of "Big

Subdivision, T. 17 S., R. 2 W.

Chains.	
	Hollow"; desc.
38.81	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

¼

S 34 | S 35

1919 from which

A cedar, 24 ins. diam., bears N. 80° E., 6 lks. dist., mkd. ¼ S 35 BT.

A pinon, 6 ins. diam., bears N. 42° W., 22 lks. dist., mkd. ¼ S34 BT.

Cor. established bottom of canon draining NW., 380 ft. below ridge; asc. over a series of small ridges and ravines draining W.

47.50	Spur, projects W., approximately 10 chs. to main canon, 30 ft. above ¼ sec. cor.; desc.
51.60	Ravine, drains SW., 70 ft. below spur; asc.
62.50	Ridge, bears E. and W., 160 ft. above ravine; desc.
68.70	Ravine, drains W., 200 ft. below ridge; asc.
78.81	Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 26, 27, 34 and 35, with brass cap mkd.

T 17 S R 2 W

S 27 | S 26

S 34 | S 35

1919 from which

A cedar, 8 ins. diam., bears N. 68° E., 129 lks. dist., mkd. T17S R2W S26 BT.

A cedar, 16 ins. diam., bears S. 48° E., 89 lks. dist., mkd. T17S R2W S35 BT.

A cedar, 8 ins. diam., bears S. 31° W., 23 lks. dist., mkd. T17S R2W S34 BT.

A cedar, 10 ins. diam., bears N. 58° W., 118 lks. dist., mkd. T17S R2W S27 BT.

Cor established 140 ft. above ravine.

Chains.	
	Land, mountainous.
	Soil, light clay, shallow and rocky.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush, scrub oak and mahogany.
	Southern exposure in the southern portion; northern exposure in the northern portion. Sandstone formation. Poor grazing.
	East, on sectional correction line bet. secs. 26 and 35,
	Asc. over mountainous land, through dense cedar and pinon timber, dense sagebrush, scruboak and mahogany undergrowth.
33.20	Old drag road in bottom of canon; canon drains N. 30° W., 230 ft. above sec. cor.; continue asc.
40.08	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 26 / S 35
	1919 from which
	A cedar, 8 ins. diam., bears S. 36° W., 26 lks. dist., mkd. ¼ S35 BT.
	A pinon, 6 ins. diam., bears N. 16° W., 11 lks. dist., mkd. ¼ S26 BT.
	Cor established 30 ft. above bottom of canon; asc. abruptly.
78.20	Ridge, bears N. and S., 200 ft. above ¼ sec. cor.; desc.
80.16	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense cedar and pinon.
	Undergrowth, dense sagebrush, scrub oak and mahogany.
	Western exposure. Sandstone formation. Poor grazing.
	From cor. of secs. 26, 27, 34, and 35
	West, on sectional correction line bet. secs. 27 and 34,
	Desc. over rolling mountainous land, through dense cedar and pinon timber, dense sagebrush undergrowth.

Chains.	
16.50	Old woodroad in bottom of canon draining SW., 280 ft. below sec. cor.; desc. gradually along the N. side of canon.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

¼ S 27 / S 34

1919 from which

A cedar, 16 ins. diam., bears South, 7 lks. dist., mkd. ¼ S34 BT.

A cedar, 8 ins. diam., bears N. 2° 30' W., 23 lks. dist., mkd. ¼ S27 BT.

Cor. established 400 ft. below sec. cor.; continue desc.

80.52 Intersect the E. bdy. of sec. 33, S. 1° 05' E., 1.34 chs. from the cor. of secs. 28 and 33. At point of intersection

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 27 and 34, with brass cap mkd.

T 17 S | S 27
S 34 | R 2 W

1919

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

No trees within limits suitable for bearing trees.

Cor. established 150 ft. below ¼ sec. cor.

Land, rolling mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense scrub cedar and pinon, becoming more scattering in the western portion of the mile.

Undergrowth, dense sagebrush.

Western and southwestern exposure. Sandstone formation. Fair grazing.

From cor. of secs. 26, 27, 34, and 35,
N. 0° 04' E., on random line bet. secs. 26 and 27.

Chains.	
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. secs. 23 and 26.
82.53	Fall 34 lks. E. of the cor. of secs. 22 and 27.
	The course of this line is therefore N. 0° 10' W.
	N. 0° 10' W., on true line bet. secs. 26 and 27.
	Desc. over rolling land, through dense cedar and pinon timber, scattering sagebrush, scrub oak and mahogany undergrowth.
23.00	Old wood road, bears NW. and SE. in narrow sagebrush flat, 140 ft. below sec. cor.; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 27 | S 26
	1919 from which
	A pinon, 6 ins. diam., bears N. 46° 45' E., 23 lks. dist., mkd. ¼ S26 BT.
	A cedar, 10 ins. diam., bears N. 64° W., 37 lks. dist., mkd. ¼ S27 BT.
51.80	Ridge, bears E. and W., 100 ft. above ¼ sec. cor.; desc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 23 and 26, with brass cap mkd.
	T 17 S S 23 | S 26 R 2 W
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	No trees within limits suitable for bearing trees.
82.53	The cor. of secs. 22 and 27, 420 ft. below ridge.
	Land, rolling mountainous.
	Soil, light sandy clay, shallow and rocky.
	Timber, dense cedar and pinon, becoming more scattering in the extreme northern portion.
	Undergrowth, dense sagebrush, scrub oak and mahogany.

Chains.

Southern exposure in the southern portion; northern exposure in the northern portion. Sandstone formation. Fair grazing.

East, on random line bet. secs. 23 and 26.

40.00 Set temp. ¼ sec. cor.

80.28 Intersect the cor. of secs. 23, 24, 25 and 26.

West, on true line bet. secs. 23 and 26.

Desc. over rolling mountainous land, through scattering cedar and pinon timber, dense sagebrush undergrowth.

20.20 Wash, 2 chs. wide, 10 ft. deep, drains NE.; continue desc.

40.14 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

¼ S 23 / S 26

1919

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

No trees within limits suitable for bearing trees.

Cor. established 480 ft. below sec. cor.; continue desc.

80.28 The cor. of secs. 23 and 26, 50 ft. below ¼ sec. cor.

Land, rolling.

Soil, light sandy loam, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush.

General northern exposure. Sandstone formation. Fair grazing.

From the restored ¼ sec. cor. bet. secs. 20 and 21.

North, on random line, bet. secs. 20 and 21.

42.47 Computed dist. Leave temp. point.

From the restored ¼ sec. cor. bet. secs. 16 and 21.

West, on true line bet. secs. 16 and 21.

7.60 Wire fence, bears N. and S.

Chains.	
7.90	Road, Scipio to Mills, bears N. and S.; asc.
37.90	Low rolling ridge, bears N. and S., desc.
39.69	Subsequently the point for the cor. of secs. 16 and 17. (For description and establishment of this cor., see notes of line bet. secs. 16 and 17, this book).
40.46	Intersect the N. and S. line bet. secs. 20 and 21, 3 lks. N. of the temp. point on that line.
	At point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 20 and 21, with brass cap mkd.
	T 17 S R 2 W S 20 | S 21 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	Therefore the dist. of the N. half mile bet. secs. 20 and 21 is 42.50 chs.
	Land, gently rolling.
	Soil, light sandy loam, 2 ft. deep, becoming more shallow and rocky in the western portion of the mile.
	Timber, none.
	Undergrowth, dense sagebrush.
	General northern exposure. Conglomerate formation. Fair grazing.

	From the ¼ sec. cor. bet. secs. 20 and 21.
	North, on true line bet. secs. 20 and 21.
5.60	Ridge, bears E. and W., 30 ft. above ¼ sec. cor.; desc. over rolling land, through scattering scrub cedar and pinon timber.
42.50	The cor. of secs. 20 and 21.
	Land, rolling.
	Soil, light sandy loam, more than 2 ft. deep in the southern portion, becoming more shallow and rocky in the

Chains.	
	northern portion.
	Timber, very scattering scrub cedar and pinon.
	Undergowth, wheat stubble in the cultivated portion; dense sagebrush in the northern portion.
	Southern exposure in the southern portion; northern exposure in the northern portion. Sandstone and conglomerate foramtion. Fair grazing.

	From the ¼ sec. cor. bet. secs. 16 and 17.
	South, on true line bet. secs. 16 and 17.
	Asc. over rolling land.
40.97	Intersect the N. bdy. of sec. 21, 77 lks. E. of the cor. of secs. 20 and 21. At point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 16 and 17, with brass cap mkd.
	T 17 S R 2 W S 17 | S 16 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land, rolling.
	Soil, light sandy loam and gravel, shallow and rocky.
	Timber, very scattering scrub cedar and pinon.
	Undergrowth, dense sagebrush.
	Northern exposure. Sandstone formation. Fair grazing.

	From the cor. of secs. 20 and 21.
	West, on random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.30	Intersect the E. bdy. of sec. 18, N. 0° 29' E., 85 lks. from the cor. of secs. 18 and 19. At point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 17 and 20, with brass cap mkd.

Chains.	
	T 17 S S 17 S 20 R 2 W 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	East, on true line bet. secs. 17 and 20.
	Desc. gradually over rolling land, through dense sage brush undergrowth and very scattering scrub cedar and pinon timber.
40.15	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., sec. 20, with brass cap mkd.
	¼ S 20 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	No trees within limits suitable for bearing trees.
40.53½	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. sec. 17, with brass cap mkd.
	¼ S 17 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
80.30	The cor. of secs. 20 and 21.
	Land, rolling.
	Soil, light sandy loam, shallow and rocky.
	Timber, very scattering scrub cedar and pinon.
	Undergrowth, dense sagebrush.
	General southern exposure.
	Sandstone and conglomerate formation. Fair grazing.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated.	Course.	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
Bet.Secs.33 & 34	N.1° 05'W	80.12	80.11	.....	.....	1.52
Bet.Secs.27 & 28	N.0° 58'W	40.15	40.14	.....	.....	.68
Bet.Secs.27 & 28	N.0° 33'E	40.79	40.79	.....	.39	.....
Bet.Secs.21 & 28	S.88°37'W	40.07	.....	.97	.....	40.06
Bet.Secs.21 & 28	N.89°53'W	39.93	.08	.....	.....	39.93
Bet.Secs.20 & 29	S.89°46'W	40.10	.....	.16	.....	40.10
Bet.Secs.20 & 29	N.88°40'W	40.01	.93	.....	.....	40.00
Bet.Secs.19 & 20	N.0° 09'W	80.88	80.88	.....	.....	.21
E.Bdy. Sec. 18	N.0° 29'E	80.88	80.88	.....	.68	.....
Bet.Secs. 8 & 17	N.89°19'E	80.40	.96	.....	80.39	.....
Bet.Secs. 9 & 16	S.88°07'E	40.38	.....	1.32	40.36	.....
Bet.Secs. 9 & 16	N.89°51'E	39.41	.10	.....	39.41	.....
Bet.Secs.15 & 16	S.0° 01'E	80.10	.....	80.10	.02	.....
Bet.Secs.15 & 22	.....	.....	.....	.....	.....	.....
and 14 & 23	N.89°55'E	160.19	.23	.....	160.19	.....
Bet.Secs.13 & 14	N.0° 04'E	80.07	80.07	.....	.09	.....
Bet.Secs.11 & 12	N.0° 10'E	40.04	40.04	.....	.12	.....
Bet.Secs.11 & 12	N.0° 03'E	40.09	40.09	.....	.04	.....
Bet.Secs. 1 & 12	S.89°55'E	40.21	.....	.06	40.21	.....
Bet.Secs. 1 & 12	N.89°55'E	40.13	.06	.....	40.13	.....
E. Bdy. Sec. 12	S.0° 01'E	40.19	.....	40.19	.01	.....
E. Bdy. Sec. 12	South	44.04	.....	44.04	.....	.....
E. Bdy. Sec. 13	S.0° 04'E	39.79	.....	39.79	.05	.....
E.Bdy. Sec. 13	S.0° 31'E	40.50	.....	40.50	.37	.....
E. Bdy. Sec. 24	S.0° 15'W	39.56	.....	39.56	.....	.17
E. Bdy. Sec. 24	S.1° 13'W	39.88	.....	39.87	.....	.85
E. Bdy. Sec. 25	S.0° 20'E	43.61	.....	43.61	.25	.....
E. Bdy. Sec. 25	S.0° 22'W	36.68	.....	36.68	.....	.23
E. Bdy. Sec. 36	S.1° 12'W	39.98	.....	39.97	.....	.84
E. Bdy. Sec. 36	S.1° 13'E	39.83	.....	39.82	.85	.....
S. Bdy. Twp.	N.89°33'W	78.30	.61	.....	.....	78.30
S. Bdy. Twp.	N.87°04'W	39.51	2.02	.....	.....	39.46
S. Bdy. Twp.	S.87°56'W	40.71	.....	1.47	.....	40.68
S. Bdy. Twp.	S.89°46'W	39.65	.....	.16	.....	39.65
S. Bdy. Twp.	S.89°44'W	40.65	.....	.19	.....	40.65
Convergency,	.....	.....	.....	.....	.25	.....
			487.99	488.46	403.81	403.33
				487.99	403.33	
				.47		

Error in latitude, ...47

Error in departure, ...48

Error in lat. and departure, 1 in 2599.

GENERAL DESCRIPTION:

The land in this township embraced within the scope of this survey lies either on top, or on the broken west slope of a range of mountains forming the divide between Round Valley on the west, and the Sevier River on the east and north; it is mostly rough and broken; cut by numerous ravines, becoming less broken toward the north. Sections 22, 27 and 34 lie

practically at the foot of the broken country to the east. Sections 16, 17, 20 and 21 are located in low rolling hills lying at the north end of Round Valley, and also form the divide between that valley and the Sevier River to the north.

The soil is mostly light clay and gravel, usually shallow and rocky and as a whole untillable, except, possibly, small tracts in secs. 12, 13, 16, 20, 21, 22 and 23, which might possibly be dry-farmed. There are approximately eighty acres of land cultivated in secs. 20 and 21, which produce an average yield of wheat.

The land is covered with a dense growth of cedar and pinon timber, becoming more scattering towards the north and west. Dense scrub oak, mahogany, service berry and manzanita undergrowth is found in the mountainous portion; sagebrush abounds throughout. Grass is usually scarce.

There are no settlers in this portion of the township, neither is there any improved land, except as above mentioned.

There is no water, and I noticed no indications of mineral or oil.

Jos. C. Thoma

U. S. Cadastral Engineer.

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
James R. Ivie	Chainman
Kent Little	Flagman
Charles Quarenberg	Cornerman
Willard L. Fisher	Axeman.
Melvin H. Lewis	Chainman
Arthur R. Drinen	Chainman
Wesley L. Maughan	Flagman
Morrell Mathews	Cornerman
Farris Edwards	Axeman

6—2761

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ CADASTRAL ENGINEER.

I, Jos. C. Thoma, ~~U. S. Surveyor~~ Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the fifth day of March, 1918, 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 the Retracement and Resurvey of a portion of the South and East Boundaries; Retracement, Resurvey, and Survey of a portion of the Subdivision, T. 17 S., R. 2 W.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes and date diagram as having been executed by me, and under my direction; on dates shown on said diagram and 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 Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Dated: Salt Lake City, Utah.
May 5, 1920.

Jos. C. Thoma
~~U. S. Surveyor~~
U. S. Cadastral Eng

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Jan. 22, 1921

The foregoing field notes of the ~~survey of~~ retracement and resurvey of a portion of the south and east boundaries; and retracement, resurvey, and survey of the subdivisional lines of a portion of Township No. 17 South, Range No. 2 West of the Salt Lake Base and Meridian, Utah,

executed by Jos. C. Thoma

under ~~his~~ special instructions dated March 5, 1918, ~~191~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, retracements, resurveys, 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.

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BOOK A-443

D

FIELD NOTES

D

OF THE SURVEY OF THE

EAST BOUNDARY AND SUBDIVISION OF

T. 11 S., R.11 E.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

HOWARD W. MILLER, U. S. CADASTRAL ENGINEER

AND

WALTER BYERGO, U. S. TRANSITMAN

~~In the capacity of U. S. Surveyor~~, *under instructions dated* MAY 3, *1918, issued by the United States Surveyor General to govern surveys included in Group No.* 71, *which were approved by the Commissioner of the General Land Office,* MAY 28, *1918*

ASSIGNMENT INSTRUCTIONS DATED: JULY 24,1918: AUGUST 9,1918: JUNE 13,1919

Survey commenced OCTOBER 18, *1918*

Survey completed JULY 14, *1919*

U. S. Surveyor General's Office JAN ... SALT LAKE CITY, UTAH

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INDEX DIAGRAM.

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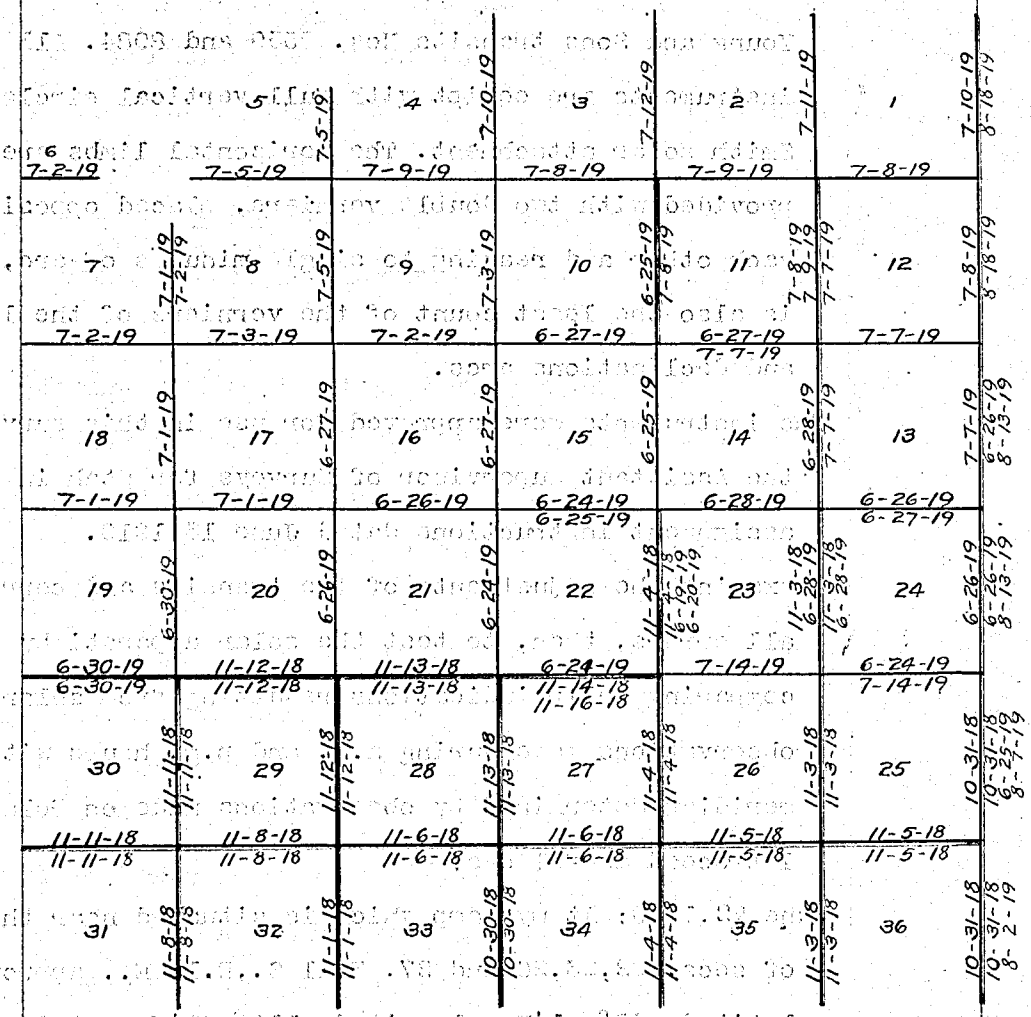
T. 11 S., R. 11 E.

DATE DIAGRAM



Lines dated and colored with black ink were surveyed by Howard W. Miller, U. S. Cadastral Engineer.

Lines dated and colored with red ink were surveyed by Walter Byergo, U. S. Transitman.

Lines dated and colored with black and red ink were surveyed jointly by Howard W. Miller, U. S. Cadastral Engineer and Walter Byergo, U. S. Transitman.

Test of Instruments

Survey commenced October 18, 1918 and executed with Buff and Buff solar transit No. 8964 and Young and Sons solar transit No.8582. For complete description, test and approval of instruments see survey of T.12 S., R.11 E. This survey was discontinued November 18,1918 on account of adverse weather conditions; operations were again resumed June 19,1919, the survey being completed with Buff and Buff transit No.8964 and Young and Sons transits Nos. 8539 and 8984. All of the instruments are equipt with full vertical circles and Smith solar attachment. The horizontal limbs are provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declinations arcs.

The instruments were approved for use in this survey by the Assistant Supervisor of Surveys for Utah in assignment instructions dated June 13,1919.

I examine the adjustments of the transits and correct all errors, then, to test the solar apparati by comparing their indications 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:

June 22,1919: At my camp which is situated near the cor. of secs. 22,23,26 and 27, T.11 S.,R.11 E., approximate latitude 39° 51'N., longitude 110° 42'W.; at 8hrs. a.m. apparent time, I set off 39°51' on the lat. arc; 23° 27'N., on the declination arc, and determine a meridian with Buff and Buff transit No. 8964 and note that the trunk of a tree on a ridge about ½ mile distant bears N.15°25'W.

With the above latitude and declination set off on the arcs of transits Nos. 8539 and 8984, at 8h. 10m.a.m. and 8h. 15 m.a.m. apparent time I determine meridians with the solars and note that the above mentioned tree

bears N.15° 26'W.

At apparent noon with the instruments in the meridian; I set off 39°51' on the latitude arcs; the reading of the declination arc of each instrument is 23°27'N.

MERIDIAN OBSERVATION OF THE SUN FOR APPARENT NOON

With the telescope of the Buff and Buff transit in the meridian and elevated to the sun's altitude, I observe the sun's transit for time, noting the watch time of transit of each limb:

Mean watch time of apparent noon..... 1h. 25m. 41s.p.m.
Local mean time of apparent noon 12h 01m 33.6s p.m.
Watch fast of local mean time ..... 1h. 24m. 08s.

During the period from 3hrs. to 3h.30m. p.m. apparent time, I set off 39°51' on the latitude arcs; 23° 27'N. on the declination arcs; and determine a meridian with each transit and find that the tree bears N.15° 26'W.

At the same station with Buff and Buff transit No.8964, at 7h. 19m. 17.5s.p.m.l.m.t., I make an hour angle observation on Polaris, west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the tree used in my solar observations, in the direction of N-E to Polaris.

Watch time of observation, mean of four readings = 8h. 43m. 25.5s.

Mean horizontal angle from tree to Polaris = 15°22'N-E.

Azimuth of Polaris = N.0° 04'W.

True bearing of tree = 15° 22' + 0°04' = N.15° 26'W.

The solar apparatus of each instrument defines a position for meridians during a.m. and p.m. hours that does not vary more than 1' from the meridian determined by observations made on Polaris; I therefore conclude that the instruments are in good adjustment.

East Boundary of T.11 S.,R.11 E.

chains

The instruments were kept in good adjustment during the progress of the survey, frequent tests being made on meridians determined by observations made on Polaris. Tests were also made at the conclusion of the survey (for record of same see survey of T.11 S.,R.12 E. of this group) and they were found in satisfactory condition.

MEASUREMENTS

Unless otherwise specified all measurements are made with Lallie steel ribbon tapes 5 chains in length compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope,the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

DECLINATION ARC SETTINGS

In the declination arc settings, .80 of the tabulated refraction for computing declinations is used, due to the altiude of the country which is about 6,500 ft.

EAST BOUNDARY OF T.11 S., R.11 E.

I begin at the cor. of Tps. 11 and 12 S., Rs. 11 and 12 E. heretofore described ; approximate latitude 39°49'N., longitude 110°40'W.

Thence

North, on E. bdy. of sec. 36.

Over rough mountainous land through dense aspen and scattering pine timber and dense undergrowth of sage-brush and willow. Descend N. slope subject to land slides.

East Boundary of T.11 S.,R.11 E.

chains	
24.30	Bottom of Minnie Maude Canyon and Creek, 10 lks. wide, 3 ins. deep, good running water, 200 ft. below cor., course E. Leave aspen and pine timber, enter scattering pinon timber, bears E. and W.; ascend abruptly over broken S. slope.
26.00	Canyon road, bears E. and W.
34.33	Top of broken white sandstone ledge, 20 ft. high, bears E. and W.
34.87	A southing of 40.00 chs. from the cor. of secs. 30 and 31, W. bdy. T.11 S., R.12 E. Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for ¼ sec. cor. W. bdy. sec. 31, T.11 S.,R.12 E., with brass cap marked ½S31 1919 from which A pinon, 14 ins. diam.,bears N.35°E., 48 lks. dist.,marked ¼ S 31 B T A pinon, 6 ins.diam.,bears S.82°E., 32 lks. dist.,marked ¼ S 31 B T
38.90	Spur, 520 ft. above canyon, projects SE.; gradually ascend along E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. sec. 36, T.11 S., R.11 E., with brass cap marked ½S36 1918 from which A pinon, 6 ins. diam.,bears S.83°25'W., 121 lks. dist.,marked ¼ S 36 B T No other suitable trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
47.95	Spur, 25 ft. above last spur, projects E.; enter dense

chains

aspen and spruce timber, bears E. and W. Descend over NE. slope.

57.55 Bottom of canyon, 130 ft. below spur, course SE.; leave timber and begin ascent over general W. slope through dense sage and service berry undergrowth.

74.87 Intersection with line bet. secs. 30 and 31, T.11 S., R.12 E.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 30 and 31, T.11 S., R.12 E., with brass cap marked

T11S
S30
S31
R12E
1919

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

80.00 On W. slope of ridge, 135 ft. above canyon.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 25 and 36, E. bdy. T.11 S.,R.11 E., with brass cap marked

T11S
S25
S36
R11E
1918

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

Land, rough mountains with general N. and S. exposure and drainage to Minnie Maude Canyon which drains E.

Soil, rich, brown loam, mixed with gravel and rock of sandstone and blue limestone formation; sub-soil, gravelly and moist, light brown clay.

Timber, aspen, pine, spruce and scattering pinon.

Undergrowth, sagebrush, service berry and willow.

Good grazing land.

--

East Boundary of T.11 S., R.11 E.

chains	
	North, along E. bdy. of sec. 25.
	Over mountainous land through very scattering pine timber and dense undergrowth of sagebrush and service berry.
	Gradually ascend along W. slope of ridge.
20.35	Head of small draw, drains W. to main draw; ascend abruptly over S. slope.
33.95	Top of ridge divide between Upper Water Hollow and Minnie Maude Canyon, 625 ft. above sec. cor., bears N.60°W. and S.35°E.; thence along E. slope.
34.87	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. W. bdy. sec. 30, T.11 S., R.12 E., with brass cap marked ¼S30 | 1919 from which A pine, 14 ins.diam.,bears N.75°50'E., 130 lks. dist.,marked ¼ S 30 B T A pinon, 8 ins. diam.,bears S.19°20'E., 279 lks. dist.,marked ¼ S 30 B T
40.00	On steep, grassy E. slope of ridge about 5 chs. from top. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. sec. 25, T.11 S., R.11 E., with brass cap marked ¼S25 | 1918 from which A pine, 14 ins.diam.,bears N.7°15'W., 191 lks. dist.,marked ¼ S 25 B T No other suitable trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
50.70	Spur, 270 ft. above ¼ sec. cor. sec. 25, projects E.; enter dense pine timber, bears E. and W. Descend abruptly over NE. slope.
64.00	Draw, 350 ft. below spur, drains E.; leave dense and

East Boundary of T.11 S.,R.11 E.

chains

enter scattering timber,bears E. and W. Ascend.

66.00 Spur, 30 ft. above draw, projects NE.; descend.

74.87 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 19 and 30, W. bdy. T.11 S. R.12 E., with brass cap marked

T11S
S19
S30
R12E
1919

from which

A pine, 8 ins.diam.,bears S.24°45'E., 39 lks. dist.,marked T 11 S R 12 E S 30 B T

No other suitable trees are available.

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

77.40 Bottom of draw and stream of good water, 1 lk. wide, 1 in. deep, 300 ft. below spur, course NE.; ascend abruptly 45 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 24 and 25, E. bdy. of T.11 S.,R.11 E., with brass cap marked

T11S
S24
S25
R11E
1919

from which

A pine, 16 ins.diam.,bears S.29°W., 131 lks. dist.,marked T 11 S R 11 E S 25 B T

A pine, 12 ins.diam.,bears N.19°30'W., 112 lks. dist.,marked T 11 S R 11 E S 24 B T

Land, high mountains, general SE. exposure and drainage.

Soil, dark brown mountain loam, gravelly and rocky of limestone formation; sub-soil, moist, light clay and gravel.

Timber, pine, spruce and scattering aspen, chiefly in northern portion of mile.

East Boundary of T.11 S., R.11 E.

chains	
	Undergrowth, sagebrush, service berry and deer brush. Good grazing land.
	North, along E. bdy. of sec. 24.
	Over rough mountainous land through scattering pine timber and undergrowth of sagebrush, service berry and deer brush. Ascend along E. slope.
8.00	Spur, 60 ft. above sec. cor., projects NE.; descend abruptly over N. slope.
9.10	Enter dense aspen with considerable fallen timber, bears E. and W.
18.80	Bottom of Upper Water Hollow Canyon and stream, 2 lks. wide, 1 in. deep, good water, 280 ft. below spur, course SE.; leave dense, enter scattering timber, bears NW. and SE.
22.70	Begin abrupt ascent over S. slope.
30.00	Spur, 425 ft. above canyon, projects SE.; gradually descend over N. slope.
34.40	Gully, 15 ft. below spur, course S.15°E.; ascend.
34.87	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for ¼ sec. cor. W. bdy. sec. 19, T.11 S., R.12 E. with brass cap marked ¼S19 1919 from which A pine, 6 ins. diam., bears N.76°35'E., 68 lks. dist., marked ¼ S 19 B T A pine, 8 ins. diam., bears S.5°30'E., 315 lks. dist., marked ¼ S 19 B T
37.30	Spur, 75 ft. above gully, projects SE.; gradually descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. sec. 24, T.11 S., R.11 E., with brass cap marked

East Boundary of T.11 S.,R.11 E.

chains	
	¼S24 | 1919
	from which
	A pine, 12 ins.diam.,bears S.4°00'W., 275 lks. dist.,marked ¼ S 24 B T
	A pine, 14 ins.diam.,bears N.5°50'W., 203 lks. dist.,marked ¼ S 24 B T
41.80	Head of draw, 10 ft. below spur, course SE.; ascend.
46.70	Spur, 140 ft. above draw, projects E.; descend.
49.50	Begin abrupt descent over N. slope.
54.10	Draw, 150 ft. below spur, drains E.; ascend.
56.60	Enter dense pine and aspen timber, bears E. and W.
59.50	Spur, 70 ft. above draw, projects E.; descend.
61.50	Draw, 20 ft. below spur, drains SE.
62.30	Begin abrupt ascent over S. slope.
66.80	Spur, 135 ft. above draw, projects SE.; continue to ascend.
74.87	Top of Argyle Ridge and divide between Argyle and Minnie Maude Canyons, 65 ft. above last spur, bears NE. and SW.; gradually descend over N. slope.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 18 and 19, W. bdy. of T.11 S.,R.12 E., with brass cap marked
	T11S S18 S19 R12E 1919
	from which
	A pine, 8 ins. diam.,bears N.38°25'E., 40 lks. dist.,marked T 11 S R 12 E S 18 B T
	A pine, 8 ins.diam.,bears S.79°25'E., 85 lks. dist.,marked T 11 S R 12 E S 19 B T
80.00	On N. slope 55 ft. below ridge.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 13 and 24, E. bdy. of T.11 S.,R.11 E., with brass cap marked

East Boundary of T.11 S.,R.11 E.

chains	
	T11S S13 S24 R11E 1919
	from which
	A pine, 6 ins.diam.,bears S.49°10'W., 87 lks. dist.,marked T 11 S R 11 E S 24 B T
	A pine, 14 ins.diam.,bears N.45°30'W., 130 lks. dist.,marked T 11 S R 11 E S 13 B T
	Land, high, rough mountains, general SE. exposure and drainage on S. 74.87 chs., N. exposure and drainage on remainder of mile.
	Soil, brown mountain loam, gravelly and rocky of limestone formation; sub-soil, moist, sticky clay and gravel.
	Timber, pine, aspen and spruce.
	Undergrowth, sagebrush, service berry and deer brush. Good grazing land.
	North, along E. bdy. of sec. 13.
	Over rough mountainous land through scattering pine timber, sagebrush and service berry undergrowth. Descend over N. slope.
10.70	Enter dense pine timber, bears NE. and SW.
16.80	Draw, 265 ft. below cor., course NW.; gradually ascend along W. slope.
18.80	Spur, 15 ft. above draw, projects NW.; leave dense, enter more scattering timber, bears NW. and SE. Descend.
26.30	Bottom of ravine and stream, 2 lks. wide, 1 in. deep, good water, 135 ft. below spur, course NE.; gradually ascend.
28.50	Ascend abruptly SW. slope through dense pine timber, bears NE. and SW.
34.00	Spur, 115 ft. above ravine, projects NE.; descend.
34.87	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for ¼ sec. cor. W. bdy. sec. 18, T.11 S.,R.12 E., with brass cap marked

East Boundary of T.11 S.,R.11 E.

chains	
	¼S18 | 1919
	from which
	A pine, 12 ins.diam.,bears N.40°E., 42 lks. dist.,marked ¼ S 18 B T
	A pine, 14 ins.diam.,bears N.88°50'E., 38 lks. dist.,marked ¼ S 18 B T
	No suitable tree available in SW. quarter of sec. 18
36.60	Draw, 55 ft. below spur, drains E.; ascend.
40.00	On low spur, 20 ft. above draw, projects E. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. sec. 13, T.11 S., R.11 E., with brass cap marked
	¼S13 | 1919
	from which
	A pine, 24 ins.diam.,bears S.30°30'W., 5 lks. dist.,marked ¼ S 13 B T
	A pine, 8 ins.diam.,bears N.22°10'W., 31 lks. dist.,marked ¼ S 13 B T
	Gradually descend.
42.40	Draw, 33 ft. below spur, drains E.; ascend SE. slope of high ridge.
53.20	Leave dense and enter very scattering timber, bears NE. and SW.
74.20	Ridge, 400 ft. above draw, bears SW., N.70°E. for about 10 chs., thence N.20°E.
74.60	Begin steep descent over NW. slope.
74.87	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 7 and 18, W. bdy. of T.11 S.,R.12 E., with brass cap marked
	T11S S7 / S18 R12E | 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.

East Boundary of T.11 S.,R.11 E.

chains	
	No suitable trees are available.
80.00	On NW. slope 180 ft. below ridge.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 12 and 13, E. bdy. of T.11 S.,R.11 E., with brass cap marked
	T11S S12 S13 R11E 1919
	from which
	A pine, 6 ins.diam.,bears S.56°20'W., 218 lks. dist.,marked T 11 S R 11 E S 13 B T
	A pine, 6 ins.diam.,bears N.67°W., 210 lks. dist.,marked T 11 S R 11 E S 12 B T
	Land, high, rough mountains, general N. exposure and drainage.
	Soil, brown mountain loam, mixed with gravel and rock; sub-soil, light brown clay, gravelly and rocky. Limestone formation.
	Timber, pine and aspen in southern portion of mile.
	Undergrowth, sagebrush, service berry and deer brush.
	Good grazing land.
	North, along E. bdy. of sec. 12.
	Over rough mountainous land through scattering pine and patches of dense young aspen timber; undergrowth scattering service berry and sagebrush. Descend along western slope of high ridge.
34.87	On W. slope near bottom of large canyon.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. W. bdy. of sec. 7, T.11 S., R.12 E., with brass cap marked
	¼S7 1919
	from which
	A pine, 12 ins.diam.,bears N.48°30'E., 195 lks. dist.,marked ¼ S 7 B T

East Boundary of T.11 S.,R.11 E.

chains	
	A pine, 8 ins.diam.,bears S.40°E., 135 lks. dist.,marked ¼ S 7 B T
38.35	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 650 ft. below sec. cor., course N.15°E. Ascend along E. and SE. slopes.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. of sec. 12, T.11 S., R.11 E., with brass cap marked ¼S12 | 1919 from which An aspen, 5 ins.diam.,bears S.26°W., 18 lks. dist.,marked ¼ S 12 B T An aspen, 6 ins.diam.,bears N.83°20'W., 38 lks. dist.,marked ¼ S 12 B T Continue along E. and SE. slopes through scattering patches of aspen and pine timber; service berry and sagebrush undergrowth.
74.87	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 6 and 7, W. bdy. of T.11 S.,R.12 E., with brass cap marked T11S S6 | S7 R12E 1919 from which A yellow pine, 8 ins.diam.,bears N.22°40'E., 108 lks. dist.,marked T 11 S R 12 E S 6 B T No other suitable trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
80.00	On E. slope, 185 ft. above canyon. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1 and 12, E. bdy. of T.11 S.,R.11 E., with brass cap marked

East Boundary of T.11 S., R.11 E.

chains	
	T11S S1 S12 R11E 1919
	from which
	An aspen, 5 ins. diam., bears S.1°W., 203 lks. dist., marked T 11 S R 11 E S 12 B T
	No other trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous, with general E. and W. slopes of high ridges into canyon draining N.
	Soil, brown mountain loam, gravelly and rocky of limestone formation; sub-soil, light brown clay and rock.
	Timber, scattering patches of young aspen and pine.
	Undergrowth, service berry and sagebrush.
	Good grazing.
	North, along E. bdy. of sec. 1
	Over rough mountainous land through scattering pine and patches of young aspen timber, service berry and sagebrush undergrowth. Gradually ascend over SE. slope.
9.50	Spur, 30 ft. above sec. cor., projects N.30°E.; descend NE. slope.
16.00	Enter dense aspen timber, bears E. and W.; begin descent over N. slope.
29.20	Head of small draw, drains N.20°E.; descend over NE. slope.
34.87	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. W. bdy. of sec. 6, T.11 S., R.12 E., with brass cap marked
	¼S6 1919
	from which
	A pine, 14 ins. diam., bears N.32°30'E., 96 lks. dist., marked ¼ S 6 B T

East Boundary of T.11 S.,R.11 E.

chains

A pine, 12 ins.diam., bears S.11°30'E., 96 lks. dist.,marked ¼ S 6 B T

37.00 Leave timber and enter bottom of Argyle Canyon, bears E. and W. Thence across canyon through dense willow undergrowth.

38.75 Argyle Creek, 10 lks. wide, 3 ins. deep, good water, 490 ft. below spur, course E.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. sec. 1, T.11 S., R.11 E., with brass cap marked

¼S1 | 1919

from which

An aspen, 6 ins.diam.,bears S.0°30'W., 330 lks. dist., marked ¼ S 1 B T

No other suitable trees available.

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

42.20 Leave willow undergrowth and canyon bottom, bears E. and W.; ascend abruptly over S. slope through scattering cedar and pinon timber.

56.80 Top of broken shale ledge, 50 ft. high, 370 ft. above canyon, bears E. and W.; continue to ascend.

60.00 Enter dense cedar, pinon and pine timber, bears NW. and SE.

70.25 Spur, 600 ft. above canyon, projects S.20°E.; gradually descend NE. slope.

75.00 Draw, 65 ft. below spur, course SE.; ascend abruptly.

80.00 On E. slope, 65 ft. above draw.

Set an iron post, 3 ft. long, 3 ins. in dia., 12 ins. in the ground on solid rock and 12 ins. in a large mound of stone for closing cor. of T.11 S., Rs. 11 and 12 E., with brass cap marked

T10SR11E
S36

S1 | S6
R11E | R12E
T11S
CC
1919

chains

from which

A pine, 6 ins.diam.,bears S.13°E., 73 lks. dist.,marked C C T 11 S R 12 E S 6 B T

A cedar, 9 ins.diam.,bears S.61°W., 69 lks. dist.,marked C C T 11 S R 11 E S 1 B T

The standard cor. of T.10 S.,Rs. 11 and 12 E. is established 33.00 chs. east of this cor., for description of same see survey of T.10 S.,R.11 E.

Land, rough mountains, general N. and S. exposure and drainage to Argyle Canyon which drains E.

Soil, S.½ mile,brown mountain loam, gravelly and rocky of limestone formation; sub-soil, moist, sticky clay and rock. N½ mile, shale rock and blue clay; sub-soil, rocky.

Timber, aspen and pine on S. ½ mile; cedar, pinon and pine on N.½ mile.

Undergrowth, sagebrush and service berry. Dense willows along Argyle Canyon. Good grazing land.

SUBDIVISION OF T.11 S.,R.11 E.

From the cor. of secs. 1,2,35 and 36 on the S. bdy. of the tp. heretofore described

N.0°01'W., bet. secs. 35 and 36.

Over mountainous land through dense aspen and scattering pine timber. Gradually descend over N. slope.

23.00 Leave timber and enter bottom of Minnie Maude Canyon at junction with draw from the SW., bears N.70°E. and S.80°W.; thence across canyon.

27.25 Minnie Maude Creek, 6 lks. wide, 3 ins. deep, good water, 260 ft. below cor., course N.80°E.

27.48 Pole fence and enter A.Z.Tompson's field, bears NE. and SW.

31.77 Pole fence and leave field, bears N.80°W. and S.80°E.

Subdivision of T.11 S.,R.11 E.

chains	
32.07	Old road, bears N.80°W. and S.80°E.; leave canyon and enter scattering pine timber, bears N.80°W. and S.80°E. Ascend abruptly over S. slope.
40.00	Spur, 205 ft. above canyon, projects SW. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S35 | S36 1918 from which A pine, 22 ins.diam.,bears N.18°20'E., 121 lks. dist.,marked ¼ S 36 B T A pine, 12 ins. diam.,bears S.60°45'W., 187 lks. dist.,marked ¼ S 35 B T Descend over NW. slope.
43.40	Enter aspen thicket, bears NE. and SW.
49.70	Bottom of draw and stream, 1 lk. wide, 1 in. deep, good water, 135 ft. below spur, course SW.; leave timber bears NE. and SW. Ascend abruptly SE. slope.
71.00	Point, 330 ft. above draw, projects E.; descend.
71.05	Enter aspen timber, bears E. and W.
73.95	Head of small draw, drains NE.; ascend.
77.50	Small spur, projects E.; descend.
78.75	Small draw, drains SE.; leave aspen timber, bears NW. and SE. Ascend abruptly over S. slope.
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 T11S S26 | R11E S25 S35 | S36 1918 from which A pine, 12 ins.diam.,bears N.65°E., 169 lks. dist.,marked T 11 S R 11 E S 25 B T

Subdivision of T.11 S.,R.11 E.

chains	
	An aspen, 5 ins.diam.,bears S.26°30'E., 77 lks. dist.,marked T 11 S R 11 E S 36 B T
	An aspen, 5 ins. diam.,bears S.34°10'W., 58 lks. dist.,marked T 11 S R 11 E S 35 B T
	A cedar, 4 ins.diam.,bears N.24°40'W., 168 lks. dist.,marked T 11 S R 11 E S 26 B T
	Land, rough mountains; general N. and S. exposure and drainage to Minnie Maude Canyon which drains E.
	Soil, generally brown mountain loam mixed with gravel and rock of limestone and quartz formation; sub-soil, moist, clay and rock.
	Timber, aspen and scattering pine.
	Undergrowth, sagebrush and scattering service berry.
	Good grazing land.
	N.89°55'E., on a random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect E. bdy. of the tp. 1 lk. N. of the cor. of secs. 25 and 36 heretofore described.
	Thence
	S.89°55'W., on true line bet. secs. 25 and 36
	Over rough mountainous land through dense undergrowth of sage and service berry brush. A few scattering pines on both sides of line. Descend over W. slope.
1.50	Bottom of canyon, 35 ft. below cor., course S.; ascend over E. slope.
10.75	Spur, 260 ft. above canyon, projects SE.; gradually descend.
18.45	Draw, 85 ft. below spur, course SE.;Ascend abruptly.
29.10	Ridge, 245 ft. above draw, bears N. and SE.; descend abruptly over W. slope.
40.01	Head of draw, 315 ft. below ridge, course S.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S25/S36
1918

chains	
	from which
	A pine, 18 ins.diam.,bears N.67°50'E., 446 lks. dist.,marked ¼ S 25 B T
	A pine, 7 ins.diam.,bears S.77°17'E., 485 lks. dist.,marked ¼ S 36 B T
	Ascend abruptly over E. slope.
45.75	Ridge, 130 ft. above draw, bears NE. and SW.; descend.
52.60	Head of draw, 120 ft. below ridge, drains SW. Scattering aspen timber at head of draw. Gradually ascend.
54.60	Low spur, projects SW.; descend SW. slope.
59.25	Enter dense aspen timber, bears NW. and SE.
60.70	Draw, 145 ft. below spur, course N.80°W.; gradually ascend.
65.60	Low spur, projects NW.; descend.
70.45	Bottom of canyon and small stream, 1 lk. wide, 1 in. deep, good water, 55 ft. below last draw and 25 ft. below spur, course S.10°W.; ascend abruptly.
74.80	Leave aspen timber, bears NW. and SE.
80.02	The cor. of secs. 25,26,35 and 36, 165 ft. above canyon.
	Land, rough mountains ; general S. exposure and drainage.
	Soil, brown mountain loam, gravelly and rocky of limestone formation; sub-soil, hard, moist clay loam and rock.
	Timber, scattering pine on both sides of line on entire mile, scattering patches of aspen on W. ½ mile.
	Undergrowth, sagebrush and service berry.
	Good grazing land.
	N.0°01'W., bet. secs. 25 and 26.
	Over mountainous land through dense undergrowth of sagebrush and service berry. A few scattering pine trees on both sides of line. Ascend abruptly over S. slope.
3.05	Spur, 75 ft. above cor., projects SE.; enter scattering aspen timber, bears NW. and SE. Gradually descend.
10.05	Draw, 65 ft. below spur, course SE.; ascend abruptly.
12.70	Leave aspen timber, bears E. and W.
21.80	Spur, 280 ft. above draw, projects SE.; thence along general E. slope.

Subdivision of T.11 S.,R.11 E.

chains	
33.50	Head of draw, drains SE.; gradually ascend along E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼
S26 | S25
1918

from which

A pine, 9 ins.diam.,bears S.45°30'E., 251 lks. dist.,marked ¼ S 25 B T

A pine, 18 ins.diam.,bears S.78°30'W., 242 lks. dist.,marked ¼ S 26 B T

Begin steep ascent over SE. slope.

53.85	Spur, 375 ft. above ¼ sec. cor., projects SE.; gradually ascend along steep E. slope.
65.35	Head of draw, 75 ft. above spur, drains SE.; ascend abruptly over S. slope.
74.50	Top of high ridge, 75 ft. above head of draw, bears N.70°W. and S.70°E. Enter dense pine timber, bears E. and W. Gradually descend over N. slope 60 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 20 ins. in the ground on solid rock and 4 ins. in a mound of stone for cor. of secs. 23,24,2 5 and 26, with brass cap marked

T11S | R11E
S23 | S24
S26 | S25
1918

from which

A pine, 8 ins.diam.,bears N.65°E., 8 lks. dist.,marked T 11 S R 11 E S 24 B T

A pine, 6 ins.diam.,bears S.39°E., 34 lks. dist.,marked T 11 S R II E S 25 B T

A pine, 11 ins.diam.,bears S.40°W., 45 lks. dist.,marked T 11 S R 11 E S 26 B T

A pine, 9 ins.diam.,bears N.34°45'W., 74 lks. dist.,marked T 11 S R 11 E S 23 B T

Subdivision of T.11 S.,R.11 E.

chains	
	Land, high, rough mountains; general S. exposure and drainage.
	Soil, brown mountain loam, gravelly and rocky of limestone formation; sub-soil, moist, clay loam and rock.
	Timber, very scattering pine and aspen on S. 74.50 chs., dense pine on remainder of mile.
	Undergrowth, sage, service berry, manzanita and deer brush. Good grazing.
	N.89°55'E., on a random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect E. bdy. of the tp. 7 lks. S. of the cor. of secs. 24 and 25 heretofore described.
	Thence
	S.89°52'W., on true line bet. secs. 24 and 25.
	Over rough mountainous land through scattering pine timber and undergrowth of sagebrush, service berry and deer brush. Ascend abruptly over NE. slope.
13.05	Top of steep ascent, ascend more gradually.
15.00	Spur, 465 ft. above cor., projects N.20°E.; enter dense pine timber, bears NE. and SW. Descend abruptly over NW. slope.
20.00	Base of steep descent, descend more gradually.
23.05	Draw, 160 ft. below spur, course N.10°E.; ascend abruptly over E. slope.
35.75	Leave dense and enter scattering timber, bears N. and S.
36.55	Top of ridge divide between Minnie Maude and Upper Water Canyons, 380 ft. above draw, bears N.20°W. and S.20°E. Gradually ascend along S. slope.
40.02	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

$$\frac{1}{4}\ \frac{S24}{S25}$$
1919

from which

A pine, 4 ins.diam., bears N.44°E., 200 lks. dist.,marked ¼ S 24 B T

Subdivision of T.11 S.,R.11 E.

chains	
	A pine, 24 ins.diam.,bears S.39°W., 344 lks. dist.,marked ¼ S 25 B T
48.20	Ridge, bears N.20°E. and W.; gradually descend along top of ridge.
56.00	Low saddle in ridge, 80 ft. below top, bears E. and S.10°W.; gradually descend.
66.00	Leave scattering and enter dense pine timber, bears N. and S.
80.04	The cor. of secs. 23,24,25 and 26.
	Land, high, rough mountains, with general E., S. and NW. exposure and drainage from high ridge divide. Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, hard, moist, sticky clay and rock. Timber, pine and aspen. Undergrowth, sage, service berry and deer brush. Good grazing.
	N.0°01'W., bet. secs. 23 and 24.
	Over rough, broken mountainous land through dense pine and fir timber, service berry and deer brush undergrowth. Descend abruptly over N. slope.
16.65	Canyon, 390 ft. below sec. cor., course W.; leave dense, enter scattering timber, bears E. and W. Ascend abruptly over S. slope.
29.05	Spur, 425 ft. above canyon, projects W.; enter burnt and fallen timber, bears E. and W. Descend abruptly.
39.50	Draw, 230 ft. below spur, drains NW.; leave burnt timber and enter dense pine timber, bears NW. and SE. Thence along general W. slope.
40.00	On W. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground on solid rock and 16 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼

S23 | S24

1918

Subdivision of T.11 S.,R.11 E.

chains	
	from which
	A pine, 8 ins.diam.,bears N.72°30'E., 23 lks. dist.,marked ¼ S 24 B T
	A pine, 14 ins.diam.,bears S.57°30'W., 57 lks. dist.,marked ¼ S 23 B T
42.10	Low point, projects W.; begin steep descent over N. and NW. slopes.
50.75	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 190 ft. below ¼ sec. cor., course S.80°W.; leave dense and enter scattering timber also dense sagebrush undergrowth, bears NE. and SW. Ascend abruptly over S. slope.
66.20	Enter dense pine and aspen timber, bears E. and W.
67.70	Spur, 425 ft. above canyon, projects S.10°W.; thence along top of wide, flat spur,gradually ascending.
70.60	Leave timber and enter sagebrush flat, bears NW. and E.
75.60	Leave flat and enter dense timber, bears NW. and SE.
80.00	On top of flat spur, projects S.
	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

T11S S14	R11E S13
S23	S24

1919

from which

An aspen, 5 ins.diam.,bears N.52°30'E., 76 lks. dist.,marked T 11 S R 11 E S 13 B T

A pine, 8 ins.diam.,bears S.10°15'E., 133 lks. dist.,marked T 11 S R 11 E S 24 B T

A pine, 8 ins.diam.,bears S.37°45'W., 83 lks. dist.,marked T 11 S R 11 E S 23 B T

A pine, 12 ins.diam.,bears N.78°15'W., 154 lks. dist.,marked T 11 S R 11 E S 14 B T

Land, high, rough mountains, general western exposure and drainage.

Subdivision of T.11 S.,R.11 E.

chains	
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, hard, moist, light brown clay and rock.
	Timber, pine and aspen.
	Undergrowth, sagebrush, service berry and deer brush. Good grazing.
	N.89°52'E., on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.01	Intersect E. bdy. of the tp., 2 lks. N. of the cor. of secs. 13 and 24 heretofore described.
	Thence
	S.89°53'W., on true line bet. secs. 13 and 24.
	Over high, rough mountainous land through scattering pine and aspen timber and undergrowth of service berry, sage and deer brush. Ascend over general N. slope.
3.20	Spur, 30 ft. above cor., projects N.; descend.
18.70	Head of canyon, 120 ft. below spur, drains NE.; gradually ascend through dense pine timber.
40.00½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S13 / S24 / 1919
	from which
	A pine, 30 ins.diam.,bears N.8°30'W., 288 lks. dist.,marked ¼ S 13 B T
	A pine, 10 ins. diam.,bears S.76°15'W., 212 lks. dist.,marked ¼ S 24 B T
43.50	Top of ridge divide between Argyle and Minnie Maude Canyons, 495 ft. above head of canyon, bears N. and S.20°E.; leave dense and enter scattering timber, bears NW. and SE. Descend abruptly over SW. slope.
59.90	Spur, 375 ft. below ridge, projects SW.; continue descent.
63.80	Head of canyon, 470 ft. below divide, drains SW.; gradually ascend over S. and SE. slopes 100 ft. to
80.01	The cor. of secs. 13,14,23 and 24.

chains	
	Land, high, rough mountains with general N. and S. exposure and drainage from ridge at 43.50 chs.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist, hard, clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and deer brush.
	Good grazing.
	N.0°01'W., bet. secs. 13 and 14.
	Over rough mountainous land through pine and aspen timber and undergrowth of sagebrush. Ascend over general S. slope.
11.50	Enter dense pine and aspen timber, bears NW. and SE.
27.90	Top of ridge divide between Argyle and Minnie Maude Canyons, 320 ft. above sec. cor., bears N.20°W. and S.20°E.; gradually descend.
35.80	Top of wide spur at junction with ridge, projects NE.; begin steeper descent over NE. slope.
40.00	On NE. slope in dense young pine timber, 50 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S14 | S13 1919
	from which
	A pine, 5 ins.diam.,bears N.45°E., 17 lks. dist.,marked ¼ S 13 B T
	A pine, 5 ins.diam.,bears S.57°45'W., 33 lks. dist.,marked ¼ S 14 B T
60.20	Bottom of canyon, 430 ft. below ¼ sec. cor., drains NW.; gradually descend along W. slope.
68.50	Begin gradual ascent over W. slope.
70.90	Leave dense and enter more scattering timber, bears E. and W.
80.00	On W. slope 125 ft. above canyon.

Subdivision of T.11 S.,R.11 E.

chains	
	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
	T11S S11 | R11E S12 S14 | S13 1919
	from which
	A pine, 18 ins.diam.,bears N.36°30'E., 102 lks. dist.,marked T 11 S R 11 E S 12 B T
	A pine, 10 ins.diam.,bears S.67°E., 100 lks. dist.,marked T 11 S R 11 E S 13 B T
	A pine, 14 ins.diam.,bears S.9°15'W., 96 lks. dist.,marked T 11 S R 11 E S 14 B T
	A pine, 6 ins.diam.,bears N.37°15'W., 93 lks. dist.,marked T 11 S R 11 E S 11 B T
	Land, high rough mountains with general N. and S. exposure and drainage from Argyle Ridge at 27.90 chs.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist, clay loam and rock.
	Timber, pine and aspen.
	Undergrowth, sage, scattering service berry and deer brush. Good grazing.
	N.89°53'E., on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.09	Intersect E. bdy. of the tp. 5 lks. N. of the cor. of secs. 12 and 13 heretofore described.
	Thence
	S.89°55'W., on true line bet. secs. 12 and 13.
	Over rough mountainous land through scattering pine and aspen timber, sage, service berry and deer brush undergrowth. Descend abruptly over W. slope.
18.75	Draw, 355 ft. below sec. cor., drains NW; enter dense pine and aspen timber, bears NW. and SE. Gradually ascend.

Subdivision of T.11 S.,R.11 E.

chains	
20.10	Spur, 20 ft. above canyon, projects N.10°W.; descend through dense pine timber.
26.75	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 30 ft. below spur, course NE.; ascend abruptly.
31.55	Leave pine timber, bears N. and S.
36.50	Leave aspen timber, bears N. and S.
40.04½	On SE. slope, 390 ft. above canyon.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S12 / S13 1919
	from which
	A pine, 14 ins.diam.,bears S.57°45'W., 138 lks. dist.,marked ¼ S 13 B T
	No other trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
54.65	Spur, 260 ft. above ¼ sec. cor., projects N.20°E.; enter scattering pine and aspen timber, bears N. and S. Descend abruptly over W. slope.
63.90	Head of draw, 250 ft. below spur, drains NW.; gradually descend along N. slope.
68.65	Enter dense pine and aspen timber, begin ascent over N. slope, bears N. and S.
72.35	Spur, projects N.15°W.; descend abruptly over W. slope 170 ft. to
80.09	The cor. of secs. 11,12,13 and 14.
	Land, rough mountains with E. and W. slopes into canyons and draws draining N. General N. exposure.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and deer brush. Good grazing.

Subdivision of T.11 S.,R.11 E.

CHAINS	
	N.0°01'W., bet. secs. 11 and 12.
	Over rough mountainous land through dense aspen and scattering pine timber, service berry, sage and deer brush undergrowth. Descend over NW. slope.
13.80	Bottom of canyon, 200 ft. below sec. cor., drains NE.; Ascend abruptly over SW. slope.
30.50	Spur, 60 ft. above canyon, projects NE.; descend over N. slope near top of spur.
34.60	Leave dense timber, bears E. and W.
40.00	On N. slope 130 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S11 | S12

1919

from which

An aspen, 6 ins.diam.,bears S.62°35'E., 68 lks. dist.,marked ¼ S 12 B T

An aspen, 8 ins.diam.,bears N.66°40'W., 88 lks. dist., marked ¼ S 11 B T

43.20	Bottom of draw, 60 ft. below ¼ sec. cor., drains N.30°E. about 1 ch. to canyon, thence N.; ascend along E. slope through scattering patches of aspen timber, sage and service berry undergrowth.
80.00	On E. slope, 75 ft. above draw.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1,2,11 and 12, with brass cap marked

T11S | R11E
S2 | S1

S11 | S12

1919

from which

A pine, 12 ins.diam.,bears N.12°15'E., 496 lks. dist.,marked T 11 S R 11 E S 1 B T

An aspen, 6 ins.diam., bears S.49°15'E., 152 lks dist.,marked T 11 S R 11 E S 12 B T

Subdivision of T.11 S.,R.11 E.

chains	
	An aspen, 4 ins.diam.,bears S.30°W., 146 lks. dist.,marked T 11 S R 11 E S 11 B T
	A pine, 10 ins.diam.,bears N.50°W., 302 lks. dist.,marked T 11 S R 11 E S 2 B T
	Land, rough mountains; general N. exposure and drainage.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist, light brown clay and gravel.
	Timber, dense pine and aspen in southern portion of mile.
	Undergrowth, sage, service berry and deer brush.
	Good grazing.
	N.89° 55'E., on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
80.15	Intersect E. bdy. of the tp. 15 lks. N. of the cor. of secs. 1 and 12 heretofore described.
	Thence
	N.89°59'W., on true line bet. secs. 1 and 12.
	Over rough mountainous land through service berry undergrowth. Ascend abruptly over E. slope.
4.00	Enter dense sagebrush undergrowth, bears N. and S.
7.00	Enter dense young aspen and scattering pine timber, bears NE. and SW.
8.15	Spur, 125 ft. above sec. cor., projects N.; leave sage and dense aspen, bears N. and S. Descend.
12.00	Head of draw, drains N.; ascend.
19.60	Spur, 90 ft. above draw, projects N.; descend over NW. slope.
32.50	Draw, 360 ft. below spur, drains N.; ascend abruptly over E. slope.
35.00	Leave timber, bears N. and S.
40.07½	On E. slope, 250 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S1 / S12 / 1919
	from which

Subdivision of T.11 S., R.11 E.

chains	
	An aspen, 4 ins. diam., bears S.54°30'E., 201 lks. dist., marked ¼ S 12 B T
	No other trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
50.00	Top of high spur, 520 ft. above draw, projects N.10°E.; enter scattering pine timber, bears N. and S. Descend abruptly over NW. slope.
66.00	Leave pine timber, bears N. and S.
69.00	Enter aspen timber, bears N. and S.
70.80	Bottom of canyon and stream, 3 lks. wide, 2 ins. deep, good water, 605 ft. below spur, course N.10°E.; ascend over E. slope.
74.00	Enter dense aspen timber, bears N. and S.
77.00	Leave aspen timber and enter grassy slope, bears NE. and SW.
80.15	The cor. of secs. 1,2,11 and 12, 260 ft. above canyon.
	Land, high, rough mountains with general E. and W. slopes of ridges and spurs into draws and canyons draining N. General N. exposure.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist, light brown clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and deer brush.
	Good grazing.
	N.0°01'W., on true line bet. secs. 1 and 2.
	Over rough mountainous land through scattering undergrowth of service berry brush. Ascend along broken east slope.
13.00	Enter scattering pine timber, bears NE. and SW.
18.00	Spur, 180 ft. above sec. cor., projects N.20°E.; enter dense young aspen timber, bears N.20°E. and S.20°W. Descend over general N. slope.
20.75	Leave dense aspen timber, bears E. and W.
25.65	Enter dense pine timber, bears E. and W.

Subdivision of T.11 S.,R.11 E.

chains	
29.50	Leave dense and enter scattering timber, bears E. and W.
40.00	On gentle N. slope 475 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S2 | S1 1919
	from which
	An aspen, 5 ins.diam.,bears N.58°15'E., 28 lks. dist.,marked ¼ S 1 B T
	An aspen, 8 ins. diam., bears S.58°45'W., 73 lks. dist.,marked ¼ S 2 B T
43.50	Bottom of Argyle Canyon and Creek, 10 lks. wide, 3 ins. deep, good water, 30 ft. below ¼ sec. cor., course E.; Leave timber, bears E. and W. Thence across canyon.
47.10	Leave canyon, bears E. and W.; ascend abruptly over S. slope.
50.50	Limestone ledge, about 40 ft. high, bears NW. and E. Continue steep ascent along top of spur projecting from the N.
53.25	Enter scattering pine and cedar timber, bears E. and W.
72.00	Spur, 590 ft. above canyon, projects S.60°E.; gradually descend.
73.40	Enter dense pine and aspen timber, bears E. and W.
78.70	Leave timber and enter dense sagebrush, bears E. and W.
79.87	Intersect Second Standard Parallel South, 6.90 chs. east of the standard ¼ sec. corner on the S. bdy. of sec. 35, T.10 S.,R.11 E. heretofore described.
	At intersection,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 1 and 2, with brass cap marked
	T10SR11E S35 S2 | S1 T11S CC 1919

Subdivision of T.11 S.,R.11 E.

chains	
	from which
	An aspen, 3 ins.diam.,bears S.42°45'E., 91 lks. dist.,marked C C T 11 S R 11 E S 1 B T
	An aspen, 3 ins.diam.,bears S.43°15'W., 88 lks. dist.,marked C C T 11 S R 11 E S 2 B T
	Cor. stands on gentle E. slope, 105 ft. below spur.
	Land, high, rough mountains with general N. and S. exposure and drainage to Argyle Canyon.
	Soil, brown loam, decayed vegetation, gravelly and rocky, on hard, moist brown clay sub-soil on south 43.50 chs.; remainder of mile rocky and brown and blue clay of limestone formation; sub-soil, hard, brown and blue clay.
	Timber, aspen, pine and cedar.
	Undergrowth, sagebrush, service berry and deer brush.
	Good grazing.
	From the cor. of secs. 2,3,34 and 35 on the S. bdy. of the tp. heretofore described.
	N.0°01'W., bet. secs. 34 and 35.
	Over rough mountainous land through dense sagebrush and scattering service berry undergrowth. Ascend over S. slope.
1.85	Spur, 55 ft. above cor., projects E.; enter dense aspen and scattering pine timber, bears E. and W. Gradually descend along gentle E. slope across head of swail draining NE.
21.50	Spur, projects NE.; descend over NW. slope.
34.20	Ledge, 30 ft. high, bears NW. and SE.; descend abruptly over N. slope.
40.00	On general N. slope, 370 ft. below spur at 1.85 chs. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S34 | S35

1918

from which

Subdivision of T.11 S.,R.11 E.

chains	
	An aspen, 8 ins.diam., bears S.76°45'E., 40 lks. dist.,marked ¼ S 35 B T
	A pine, 5 ins.diam.,bears S.58°15'W., 21 lks. dist.,marked ¼ S 34 B T
44.00	Center of small basin with no visible outlet.
57.45	Leave timber and enter east edge of open draw, bears N.10°E. and S.10°W.
63.50	Enter aspen and pine timber, bears NW. and SE.
66.15	Draw, 180 ft. below ¼ sec. cor., course NE.; ascend SE. slope.
70.50	Spur, 60 ft. above draw, projects NE.; enter dense pine timber, bears NE. and SW. Descend abruptly over N. slope.
78.80	Leave timber and enter bottom of Minnie Maude Canyon, bears NW. and SE.; continue descent.
80.00	On gentle N. slope 190 ft. below spur. 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

T11S S27	R11E S26
S34	S35

1918

from which

A pine, 12 ins. diam.,bears S.13°25'E., 195 lks. dist.,marked T 11 S R 11 E S 35 B T

A pine, 10 ins.diam.,bears S.39°30'W., 113 lks. dist.,marked T 11 S R 11 E S 34 B T

An aspen, 10 ins.diam.,bears N.51°30'W., 534 lks. dist.,marked T 11 S R 11 E S 27 B T

No other trees available.

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

Land, high, rough mountains, general N. exposure and drainage.

Soil, brown clay loam, gravelly and rocky of limestone

chains	
	formation; sub-soil, moist clay; gravel and rock. Timber, aspen and pine. Undergrowth, sagebrush. Good grazing. Scattering service brush.
	N.89°55'E., on a random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. and S. line at the cor. of secs. 25,26,35 and 36
	Thence
	S.89°55'W., on true line bet. secs. 26 and 35
	Over rough mountainous land through dense sagebrush. Gradually ascend along S. slope.
4.00	Head of draw, 35 ft. above cor., course SE.; enter aspen timber, bears NW. and SE. Ascend abruptly E. slope.
5.75	Leave aspen and enter pine timber, bears NW. and SE.
12.90	Leave pine timber, bears N. and S.
14.45	High ridge, 280 ft. above draw, bears NW. and SE.; descend.
20.35	Head of draw, 130 ft. below ridge, drains S.; ascend.
26.40	Ridge, 135 ft. above draw, bears N. and S.; enter dense pine timber and begin steep descent over W. slope.
34.40	Begin descent over broken shale ledges, bears N. and S.
37.75	Bottom of deep draw, 440 ft. below ridge, drains S.; ascend abruptly E. slope over shale ledges 85 ft. to
39.95	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S26 / S35 1918

from which

A pine, 16 ins.diam.,bears N.74°30'E., 37 lks. dist.,marked ¼ S 26 B T

A pine, 12 ins.diam.,bears S.46°15'E., 82 lks. dist.,marked ¼ S 35 B T

Note: Cor. post is set in ground to bedrock and it is impossible to build mound of stone around post on account of steep slope of ledge.

Subdivision of T.11 S., R.11 E.

chains	
	Continue steep ascent. Leave dense timber, bears N. and S.
48.45	Spur, 320 ft. above ¼ sec. cor., projects SE.; descend abruptly over SW. slope.
62.90	Bottom of Minnie Maude Canyon and Creek, 6 lks. wide, 3 ins. deep, good water, 410 ft. below spur, course S.80°E.; enter dense pine, timber, bears NW. and SE. Ascend along N. slope.
72.30	Leave timber, bears NE. and SW.; enter dense sagebrush.
75.50	Spring of good water, flows stream 2 lks. wide, 1 in. deep, course N.
77.90	Old canyon road, bears NW. and SE.
79.90	The cor. of secs. 26,27,34 and 35, 40 ft. above creek.
	Land, high, rough mountains; general S. exposure and drainage to Minnie Maude Canyon.
	Soil, shallow brown loam, gravelly and rocky of limestone formation; sub-soil, hard, moist clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°01'W., bet. secs. 26 and 27.
	Gradually descend over rolling land in bottom of Minnie Maude Canyon, through dense sagebrush undergrowth.
3.60	Canyon road, bears NW. and SE.
7.30	Bottom of Minnie Maude Canyon and stream, 5 lks. wide, 4 ins. deep, good water, course S.80°E.; ascend SW. slope. A few scattering aspens on slope.
31.50	Spur, 430 ft. above creek, projects S.80°W.; descend.
32.00	Enter dense aspen and pine timber, bears N.80°E. and S.80°W.
38.90	Draw, 240 ft. below spur, drains W.; leave dense aspen timber, bears E. and W. Ascend abruptly over S. slope.
40.00	On S. slope 15 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

Subdivision of T.11 S.,R.11 E.

chains

S27	S26

1918

from which

An aspen, 8 ins.diam.,bears S.61°15'E., 52 lks. dist.,marked ¼ S 26 B T

An aspen, 7 ins.diam.,bears S.64°W., 62 lks. dist.,marked ¼ S 27 B T

47.00 Spur, 175 ft. above draw, projects SW.; gradually descend over NW. slope.

63.50 Begin steep descent over N. slope.

67.75 Draw, 265 ft. below spur, drains NW.; gradually ascend.

75.00 Spur, 35 ft. above draw, projects W.; descend.

80.00 On N. slope 130 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 22,23,26 and 27, with brass cap marked

T11S	R11E
S22	S23
S27	S26

1918

from which

A pine, 9 ins.diam.,bears N.54°E., 42 lks. dist.,marked T 11 S R 11 E S 23 B T

A pine, 9 ins.diam.,bears S.33°10'E., 37 lks. dist.,marked T 11 S R 11 E S 26 B T

A pine, 8 ins.diam.,bears S.49°30'W., 8 lks. dist.,marked T 11 S R 11 E S 27 B T

A pine, 9 ins.diam.,bears N.30°W., 36 lks. dist.,marked T 11 S R 11 E S 22 B T

Land, mountainous; general southwestern exposure and drainage to Minnie Maude Canyon.

Soil, brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, hard, moist clay and rock.

Timber, pine and aspen in central and northern portions of mile.

Subdivision of T.11 S.,R.11 E.

chains	
	Undergrowth, sagebrush. Good grazing.
	N.89°55'E., on a random line bet. secs. 23 and 26
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 7 lks. N. of the cor. of secs. 23,24,25 and 26.
	Thence
	S.89°58'W., on true line bet. secs. 23 and 26.
	Over rough mountainous land through dense pine and scattering aspen timber. Gradually ascend along nearly N. slope.
3.35	Spur, 25 ft. above cor., projects N.; descend.
13.65	Head of draw, 95 ft. below spur, drains NW.; ascend.
15.50	Leave dense pine timber and enter scattering timber, bears N.10°W. and S.20°E.
19.75	Spur, 70 ft. above draw, projects NW.; descend abruptly.
29.25	Draw, 330 ft. below spur, drains N.20°W.; ascend.
38.45	Leave scattering and enter dense pine timber, bears N. and S.
39.97	Spur, 175 ft. above draw, projects N.
	Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and 8 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S23 / S26 / 1919
	from which
	A pine, 12 ins.diam.,bears N.28°30'E., 60 lks. dist.,marked ¼ S 23 B T
	A pine, 10 ins. diam.,bears S.63°40'W., 29 lks. dist.,marked ¼ S 26 B T
	Descend abruptly.
54.35	Draw, 505 ft. below ¼ sec. cor., drains NW.; ascend.
60.85	Spur, 65 ft. above draw, projects NW.; descend abruptly over NW. slope.
67.45	Draw, 205 ft. below spur, drains NW.; ascend abruptly over E. slope.

Subdivision of T.11 S.,R.11 E.

chains	
70.75	Spur, 75 ft. above draw, projects NW.; descend along N. slope 180 ft. to
79.94	The cor. of secs. 22,23,26 and 27.
	Land, high, rough mountains, general N. exposure and drainage.
	Soil, brown mountain loam and gravelly; sub-soil, hard, moist brown clay and rock.
	Timber, large pine and aspen.
	Undergrowth, deer brush and scattering service berry.
	Good grazing.
	N.0°01'W., bet. secs. 22 and 23.
	Over rough mountainous land through dense aspen and pine timber, sage, service berry and deer brush undergrowth. Descend over N. slope.
3.00	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 30 ft. below cor., course SW.; leave dense timber, bears NE. and SW. Ascend abruptly over S. slope.
19.25	Spur, 380 ft. above canyon, projects S.10°W.; continue ascent over W. slope.
24.00	Spur, 100 ft. above last spur, projects W.; enter dense pine timber, bears E. and W. Descend abruptly over NW. slope.
30.45	Draw, 165 ft. below spur, drains SW.; ascend abruptly.
38.00	Spur, 430 ft. above draw, projects SW.; thence along W. slope.
40.00	On West slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S22 | S23

1919

from which

A pine, 10 ins.diam.,bears N.79°E., 14 lks. dist.,marked ¼ S 23 B T

Subdivision of T.11 S.,R.11 E.

chains

A pine, 10 ins.diam.,bears S.86°30'W., 21 lks. dist.,marked ¼ S.22 B T

56.70 Leave dense pine and enter dense aspen timber, bears E. and W.

77.80 Bottom of canyon and stream, 3 lks. wide, 1 in. deep, good water, 135 ft. below spur, course S.10°W.; ascend.

80.00 On steep E. slope near bottom of canyon.

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

T11S S15	R11E S14
S22	S23

1919

from which

A pine, 10 ins.diam.,bears N.61°30'E., 136 lks. dist.,marked T 11 S R 11 E S 14 B T

A pine, 24 ins.diam.,bears S.44°35'E., 113 lks. dist.,marked T 11 S R 11 E S 23 B T

A pine, 12 ins.diam.,bears S.28°15'W., 57 lks. dist.,marked T 11 S R 11 E S 22 B T

A pine, 20 ins.diam.,bears N.20°15'W., 83 lks. dist.,marked T 11 S R 11 E S 15 B T

Land, rough mountains, general SW. exposure and S. drainage.

Soil, dark brown mountain loam, gravelly and rocky of limestone formation; sub-soil, hard, moist clay and rock.

Timber, pine and aspen.

Undergrowth, sage, service berry and deer brush. Good grazing.

N.89°58'E., on a random line bet. secs. 14 and 23.

40.00 Set temp. ¼ sec. cor.

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

chains	
	Thence
	S.89°54'W., on true line bet. secs. 14 and 23.
	Over rough mountainous land through dense sagebrush undergrowth. Descend across nearly level top of spur.
1.50	Enter dense pine timber and begin descent over NW. slope bears N. and S.
6.25	Leave pine timber and enter aspen timber, bears N. and S.
11.00	Bottom of canyon and stream, 2 lks. wide, 1.in. deep, good water, 240 ft. below sec. cor., course S.15°W.; leave aspen timber, bears N. and S. Ascend abruptly E. slope.
18.90	Spur, 230 ft. above canyon projects S.20°W.; enter dense pine and scattering aspen timber, bears N. and S. Descend over W. slope.
27.80	Canyon, 190 ft. below spur, drains S.30°W.; ascend E. and SE. slope.
31.40	Spur, 70 ft. above canyon, projects S. about 7 chs. distant; descend.
33.20	Draw, 30 ft. below spur, drains S.30°E.; ascend.
39.00	Spur, 135 ft. above draw, projects S.; gradually descend.
39.95	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S14 / S23 / 1919 from which A pine, 12 ins.diam.,bears N.69°30'E., 46 lks. dist.,marked ¼ S 14 B T A pine, 15 ins.diam.,bears S.59°W., 103 lks. dist.,marked ¼ S 23 B T
45.20	Draw, 50 ft. below spur, heads about 10 chs. N. and drains S.; ascend.
50.60	Spur, projects S. about 1 ch. thence S.20°E. and SW.; gradually descend.
55.60	Head of draw draining NW. bears N. about 3 chs. distant.
69.70	Begin steep descent over NW. slope.
79.70	Bottom of canyon and stream, 3 lks. wide, 1 in. deep, good water, 415 ft. below spur, course S.10°W.; ascend

Subdivision of T.11 S.,R.11 E.

chains	
79.90	The cor. of secs. 14,15, 22 and 23.
	Land, high, rough mountains, general S. exposure and drainage.
	Soil, brown mountain loam, gravelly and rocky of limestone formation; sub-soil, hard, moist, brown clay and gravel.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and deer brush. Good grazing.
	N.0°01'W., bet. secs. 14 and 15.
	Over rough, broken mountainous land through dense pine and aspen timber; undergrowth deer brush and sage.
	Ascend along E. slope near bottom of canyon draining S.
2.50	Top of ascent; descend.
4.10	Draw, drains SE. about 1 ch. to junction with main canyon which drains S.; ascend abruptly W. slope of spur projecting S.
21.50	Top of spur, 370 ft. above draw, projects S.10°E.; continue to ascend over general S. slope.
40.00	On Steep S. slope, 670 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S15 | S14 1919
	from which
	A pine, 12 ins.diam.,bears N.41°45'E., 39 lks. dist.,marked ¼ S 14 B T
	A pine, 6 ins.diam.,bears S.43°30'W., 30 lks. dist.,marked ¼ S 15 B T
	Continue to ascend.
46.70	Top of Argyle Ridge and divide between Minnie Maude and Argyle Canyons, 175 ft. above ¼ sec. cor., bears E. and W, Gradually descend over N. slope through very dense pine timber.

Subdivision of T.11 S.,R.11 E.

chains

60.00 Leave timber and enter burnt area of large dead and fallen timber, bears E. and W.

70.55 Enter scattering pine and aspen timber, bears E. and W.; thence along W. slope near top of spur projecting N.

80.00 On gentle W. slope of top of spur, 260 ft. below ridge. 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

T11S S10	R11 E S11
S15	S14

1919

from which

A pine, 12 ins.diam.,bears N.19°15'E., 115 lks. dist.,marked T 11 S R 11 E S 11 B T

An aspen, 4 ins.diam.,bears S.51°E., 100 lks. dist.,marked T 11 S R 11 E S 14 B T

An aspen, 4 ins.diam.,bears S.37°45'W., 33 lks. dist.,marked T 11 S R 11 E S 15 B T

An aspen, 3 ins.diam.,bears N.83°W., 148 lks. dist.,marked T 11 S R 11 E S 10 B T

Land, mountainous; general N. and S. exposure and drainage from Argyle Ridge at 46.70 chs.

Soil, brown clay loam, gravelly and rocky of limestone formation; sub-soil, hard, moist clay and rock.

Timber, pine and aspen.

Undergrowth, sage, service berry and deer brush. Good grazing.

N.89°54'E., on a random line bet. secs. 11 and 14.

40.00 Set temp. ¼ sec. cor.

80.05 Intersect N. and S. line 19 lks. S. of the cor. of secs. 11,12,13 and 14.

Thence

S.89°46'W., on true line bet. secs. 11 and 14.

Over mountainous land through dense pine and scattering

Subdivision of T.11 S.,R.11 E.

chains	
	aspen timber; sage and service berry undergrowth. Descend over W. and NW. slopes.
5.20	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 130 ft. below cor., course N.20°E.; ascend E. slope.
6.00	Leave dense pine and enter dense young aspen timber, bears N. and S.
32.40	Leave dense young aspen and enter pine timber, bears N. and S.
35.35	High spur, 640 ft. above canyon, projects N.; descend 65 ft. to
40.02½	On W. slope in dense pine timber. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked $\frac{1}{4}\ \frac{S11}{S14}\ 1919$ from which A pine, 18 ins.diam.,bears N.7°00'E., 3 lks. dist.,marked ¼ S 11 B T A pine, 8 ins.diam.,bears S.20°W., 36 lks. dist.,marked ¼ S 14 B T Descend over W. slope.
50.55	Draw, 235 ft. below ¼ sec. cor., drains NW.; enter dense aspen with pine timber, bears N. and S. Ascend.
56.35	Spur, 60 ft. above draw, projects N.; descend W. slope.
66.20	Draw, 140 ft. below spur, drains N.; ascend abruptly over E. slope.
77.85	High spur, 260 ft. above draw, projects N.; gradually descend 10 ft. to
80.05	The cor. of secs. 10,11,14 and 15.
	Land, rough mountains; general N. exposure and drainage.
	Soil, rich brown loam, streaked with gravel and rock of limestone formation; sub-soil, moist sticky clay and rock.
	Timber, dense aspen and pine.
	Undergrowth, service berry and sage brush. Good grazing.

Subdivision of T.11 S., R.11 E.

CHAINS	
	N.0°01'W., bet. secs. 10 and 11.
	Over mountainous land through scattering pine and aspen timber and sagebrush undergrowth. Gradually descend along W. slope near top of spur projecting N.
13.65	Enter dense pine timber, bears E. and W.
40.00	On W. slope, 30 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S10 | S11 1919
	from which
	A pine, 10 ins.diam., bears S.66°15'E., 29 lks. dist., marked ¼ S 11 B T
	A pine, 10 ins.diam., bears S.42°30'W., 54 lks. dist., marked ¼ S 10 B T.
43.40	Leave dense pine and enter young aspen timber, bears E. and W.
51.20	Spur, projects N.10°W.; descend over NE. slope.
64.50	Enter very dense young aspen timber, bears E. and W.
80.00	On E. slope, 430 ft. below ¼ sec. cor.
	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
	T11S S3 | R11E S2 / S10 | S11 1919
	from which
	A pine, 8 ins.diam., bears N.3°45'E., 121 lks. dist., marked T 11 S R 11 E S 2 B T
	A pine, 10 ins.diam., bears S.79°E., 70 lks. dist., marked T 11 S R 11 E S 11 B T
	A pine, 10 ins.diam., bears S.62°W., 76 lks. dist., marked T 11 S R 11 E S 10 B T
	A pine, 8 ins.diam., bears N.57°45'W., 45 lks. dist., marked T 11 S R 11 E S 3 B T

Subdivision of T.11 S.,R.11 E.

chains	
	Land, mountainous, general N. exposure and drainage.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist, sticky clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage and deer brush. Good grazing.
	N.89°46'E., on a random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect N. and S. line 7 lks. N. of the cor. of secs. 1,2,11 and 12.
	Thence
	S.89°49'W., on true line bet. secs. 2 and 11.
	Over rough mountainous land through scattering pine and patches of aspen timber. Ascend abruptly E. slope.
9.30	Spur, 285 ft. above sec. cor., projects N.30°E.; descend over NW. slope.
14.00	Enter dense pine timber, bears NE. and SW.
19.35	Ledge, 25 ft. high, bears N. and S.
22.80	Draw, 355 ft. below spur, drains N.20°E.; ascend abruptly over E. slope. Leave dense and enter more scattering timber, bears N. and S.
36.25	Enter sheep corral, bears NW. and SE.
37.83	Leave corral, bears NE. and SW.; top of spur, 335 ft. above draw, projects N.20°E. Enter dense pine timber, 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., with brass cap marked

¼ S2 / S11 / 1919

from which

A pine, 12 ins.diam.,bears N.81°15'E., 83 lks. dist.,marked ¼ S 2 B T

A pine, 18 ins.diam.,bears S.57°15'E., 145 lks. dist.,marked ¼ S 11 B T

Begin descent over NW. slope.

47.00 Leave dense pine and enter dense aspen timber, bears

Subdivision of T.11 S., R.11 E.

chains	
	N. and S.
51.75	Draw, 145 ft. below ¼ sec. cor., drains NE.; ascend.
66.00	Point of spur, 100 ft. above draw, projects N.; descend.
72.75	Draw, 180 ft. below spur, drains N.20°E.; ascend E. slope 210 ft. to
80.16	The cor. of secs. 2,3,10 and 11.
	Land, rough mountains, general N. exposure and drainage.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist, sticky clay and rock.
	Timber, aspen and scattering pine.
	Undergrowth, sage, service berry and deer brush. Good grazing.
	N.0°01'W., on true line bet. secs. 2 and 3.
	Over rough mountainous land through dense aspen and scattering pine timber, sage and service berry undergrowth. Descend steep NE. and N. slopes.
20.00	Leave dense and enter scattering timber, bears E. and W.
20.40	Bottom of Argyle Canyon and Creek, 6 lks. wide, 1 in. deep, good water, 420 ft. below cor., course E.; ascend abruptly over steep S. slope.
21.30	Road, bears N.80°E. and S.80°W.
28.70	Spur, 260 ft. above canyon, projects SE.; descend.
40.00	On NE. slope 52 ft. below spur. Point for ¼ sec. cor. falls on shale ledge, mark + for exact cor. point and over.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked
	¼
	S3 | S2
	1919
	from which
	A pine, 10 ins. diam., bears S.48°15'E., 83 lks. dist., marked ¼ S 2 B T

Subdivision of T.11 S.,R.11 E.

chains	
	A pine, 8 ins.diam.,bears N.58°40'W., 39 lks. dist.,marked ¼ S 3 B T
41.40	Head of draw, 38 ft. below ½ sec. cor., drains SE.; ascend steep SE. slope 675 ft. to
75.03	Intersect S. bdy. of the Uintah Indian Reservation. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 2 and 3, with brass cap marked

UIR

S3 | S2
T11S | R11E
CC
1919

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

No suitable trees are available.

From this closing cor. the 64th. mile cor. on the bdy. which is a sandstone 24 x 16 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears N.83°45'W., 20.30 chs. distant.

Land, rough mountains, general N. and S. exposure and drainage to Atgyle Canyon at 20.40 chs.

Soil, light brown loam, gravelly and rocky of blue limestone formation; sub-soil, hard, moist clay and rock.

Timber, aspen and scattering pine.

Undergrowth, sage and service berry brush. Good grazing.

From the cor. of secs. 3,4,33 and 34 on the S. bdy. of the tp. heretofore described.

N.0°02'W., bet. secs. 33 and 34.

Over rough mountainous land through dense aspen and pine timber, scattering sage and service berry undergrowth. Gradually descend.

14.70	Begin abrupt descent over N. slope.
17.30	Draw, 230 ft. below cor., drains NW.; gradually ascend.

Subdivision of T.11 S.,R.11 E.

chains	
22.70	Spur, 10 ft. above draw, projects NW.; descend abruptly over N. slope.
37.20	Leave dense pine timber, bears E. and W.
40.00	On N. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S33 | S34 1918
	from which
	An aspen, 10 ins.diam.,bears S.82°E., 5 lks. dist.,marked ¼ S 34 B T
	An aspen, 6 ins.diam.,bears N.87°W., 36 lks. dist.,marked ¼ S 33 B T
44.30	Draw, 205 ft. below spur, drains NE.; gradually ascend SE. slope.
47.70	Leave dense timber, bears NE. and SW.
50.00	Spur, 65 ft. above draw, projects NE.; descend abruptly over N. slope.
50.40	Enter dense pine and aspen timber, bears E. and W.
54.50	Leave pine and dense aspen timber, bears E. and W.
55.20	Draw, 125 ft. below spur, drains S.70°E.; ascend S. slope.
68.30	Leave aspen timber, bears E. and W.
78.70	Ridge, 330 ft. above draw, bears E. and W.; descend.
80.00	On gentle N. slope of ridge.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 27,28,33 and 34, with brass cap marked
	T11S | R11E S28 | S27 S33 | S34 1918
	from which
	A pine, 16 ins.diam.,bears N.35°30'E., 205 lks. dist.,marked T 11 S R 11 E S 27 B T
	A pine, 12 ins.diam.,bears S.49°45'E., 147 lks. dist.,marked T 11 S R 11 E S 34 B T

Subdivision of T.11 S.,R.11 E.

chains	
	A pine, 12 ins.diam.,bears S.75°W., 162 lks. dist.,marked T 11 S R 11 E S 33 B T
	A pine, 14 ins.diam.,bears N.16°30'W., 154 lks. dist.,marked T 11 S R 11 E S 28 B T
	Land, rough mountains, general N. exposure and drainage.
	Soil, brown loam, gravelly and rocky of limestone and granite formation; sub-soil, hard, moist clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage and service berry brush. Good grazing.
	N.89°55'E., on a random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line 11 lks. S. of the cor. of secs. 26,27,34 and 35.
	Thence
	S.89°50'W., on true line bet. secs. 27 and 34.
	Over rolling land in bottom of Minnie Maude Canyon through dense sagebrush undergrowth.
2.00	Leave canyon and enter dense pine and aspen timber, bears NE. and SW. Ascend abruptly NE. slope.
12.85	Spur, 130 ft. above cor., projects N.20°W.; gradually descend over NW. slope.
17.15	Descend abruptly over W. slope.
19.80	Draw, 100 ft. below spur, drains N.; ascend NE. slope.
25.80	Spur, 50 ft. above draw, projects NE.; descend along N. slope through very dense pine timber.
36.50	Bottom of draw and stream, 2 lks. wide, 1 in. deep, good water, 50 ft. below spur, course NE.; leave dense pine timber, bears NE. and SW. Ascend SE. slope.
38.90	Leave aspen timber, bears NE. and SW.
40.06	On SE. slope 75 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S27 / S34 1918

Subdivision of T.11 S., R.11 E.

chains	
	from which
	A pine, 14 ins.diam., bears N.42°15'E., 28 lks. dist., marked ¼ S 27 B T
	An aspen, 6 ins.diam., bears S.27°45'E., 22 lks. dist., marked ¼ S 34 B T
43.00	Point on low shale ledge, bears N.80°E. and S.80°W.
45.50	Enter aspen thicket, bears N. and S.
51.00	Leave thicket, bears NW. and SE.
56.66	Ridge, 405 ft. above ¼ sec. cor., bears N.80°E. and S.85°W.; gradually ascend along top of N. slope of ridge.
65.75	Enter aspen grove, bears N. and S.
68.55	Leave aspen grove, bears N. and S.
71.50	Enter dense aspen and pine timber, bears NE. and SW.
79.00	Leave dense timber, bears NE. and SW.
80.12	The cor. of secs. 27,28,33 and 34, 110 ft. above ridge at 56.66 chs.
	Land, mountainous, general NE. exposure and drainage.
	Soil, brown loam and rocky of limestone and brown granite formation; sub-soil, hard, moist clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage and service berry brush. Good grazing.
	N.0°02'W., bet. secs. 27 and 28.
	Over rough mountainous land through dense sagebrush undergrowth. Descend N. and NE. slopes of ridge.
2.00	Enter dense pine timber, bears NW. and SE.
5.75	Head of draw, drains NE.; continue to descend.
9.55	Spur, projects NE.; enter scattering aspen timber, bears NE. and SW. Descend over NW. slope.
38.10	Leave timber and enter bottom of Minnie Maude Canyon and dense sagebrush undergrowth, bears E. and W. A small draw empties into Minnie Maude Canyon about 1 ch. west.
39.20	Bottom of Minnie Maude Canyon and Creek, 4 lks. wide, 2

Subdivision of T.11 S.,R.11 E.

chains	
	ins. deep, good water, 615 ft. below sec. cor., course E.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S28 | S27 1918
	from which
	An aspen, 8 ins.diam.,bears S.57°30'E., 313 lks. dist.,marked ¼ S 27 B T
	A pine, 24 ins.diam.,bears S.59°25'W., 145 lks. dist.,marked ¼ S 28 B T
42.10	Old canyon road, bears E. and W.
45.00	Leave canyon and begin ascent along W. slope, bears E. and W.
47.05	Small draw, drains S.10°W.; ascend along eastern slope.
67.30	Spur, 415 ft. above canyon, projects S.15°W.; gradually ascend along western slope.
76.20	Enter scattering pine timber, bears E. and W.
80.00	On W. slope, 90 ft. above spur.
	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
	T11S R11E S21 | S22 S28 | S27 1918
	from which
	A pine, 9 ins.diam.,bears N.61°50'E., 121 lks. dist.,marked T 11 S R 11 E S 22 B T
	A pine, 7 ins.diam.,bears S.15°15'E., 150 lks. dist.,marked T 11 S R 11 E S 27 B T
	A pine, 20 ins.diam.,bears S.69°55'W., 141 lks. dist.,marked T 11 S R 11 E S 28 B T
	A pine, 14 ins.diam.,bears N.56°40'W., 103 lks. dist.,marked T 11 S R 11 E S 21 B T

Subdivision of T.11 S., R.11 E.

chains	
	Land, rough mountains, general N. and S. exposure and drainage to Minnie Maude Canyon which drains E.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist sticky clay and rock.
	Timber, aspen and pine, chiefly in S. ½ mile.
	Undergrowth, sage and service berry brush. Good grazing.
	N.89°50'E., on a random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.11	Intersect N. and S. line 9 lks. N. of the cor. of secs. 22,23,26 and 27.
	Thence
	S.89°54'W., on true line bet. secs. 22 and 27.
	Over mountainous land through dense pine and aspen timber and sagebrush undergrowth. Gradually descend.
1.10	Leave timber, bears NE. and SW.
3.20	Stream, 5 lks. wide, 1 in. deep, good water, in bottom of right hand fork of Saw Mill Canyon, course SW. Thence across flat at junction of canyons.
6.40	Stream, 3 lks. wide, 2 ins. deep, in bottom of left hand fork of Saw Mill Canyon, course S. Dense willow undergrowth along creek.
6.50	Begin abrupt ascent over W. slope, bears N. and S.
10.65	Enter dense aspen and scattering pine timber, bears N. and S.
25.35	Leave timber and enter dense sage, service berry and buck brush undergrowth, bears N. and S.
36.55	Spur, 725 ft. above creek, projects SE.; enter scattering pine timber, bears N. and S. Thence along S. slope.
40.05½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

$$\frac{1}{4}\ \frac{S22}{S27}$$
1918

from which

A pine, 20 ins.diam.,bears S.60°E., 91 lks. dist.,marked ¼ S 27 B T

Subdivision of T.11 S.,R.11 E.

chains	
	A pine, 18 ins.diam.,bears N.26°40'W., 151 lks. dist.,marked ¼ S 22 B T
	Begin steep descent over SW. slope.
58.05	Deep draw, 300 ft. below ¼ sec. cor., drains SE.; scattering pine and aspen timber along bottom of draw. Ascend abruptly over E. slope.
70.45	Spur, 420 ft. above draw, projects SW.; descend abruptly SW. slope 315 ft. to
80.11	The cor. of secs. 21,22,27 and 28.
	Land, rough mountains, S. exposure and drainage.
	Soil, brown loam streaked with rock; sub-soil, hard, moist clay. Limestone formation.
	Timber, aspen and pine.
	Undergrowth, sage, service berry and buck brush. Good grazing. Dense willows along creek.
	N.0°02'W., bet. secs. 21 and 22.
	Over rough mountainous land though pine and aspen timber, dense sage, scattering service berry and buck brush undergrowth. Ascend SW. slope.
11.05	Spur, 160 ft. above sec. cor., projects SW.; thence along W. slope.
14.50	Head of draw, drains SW.; ascend abruptly S. slope.
26.30	Ridge, 530 ft. above sec. cor., bears N.80°W. and S.80°E.; descend abruptly through dense pine timber.
33.50	Head of draw, 65 ft. below ridge, drains NE.; gradually ascend.
35.90	Spur, projects NE.; descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼

S21 | S22

1919

from which

A pine, 12 ins.diam.,bears N.61°E., 21 lks.

Subdivision of T.11 S.,R.11 E.

chains

dist.,marked ¼ S 22 B T

A pine, 11 ins.diam.,bears N.34°45'W., 35 lks.

dist.,marked ¼ S 21 B T

62.65 Draw and stream, 1 lk. wide, 1 in. deep, good water, 500 ft. below ¼ sec. cor., course E.; leave dense timber, bears E. and W. Ascend abruptly S. slope.

75.45 Spur, 355 ft. above draw, projects E.; descend.

80.00 On NE. slope in dense young aspen timber, 45 ft. below spur.

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.11S S16	R11E S15
S21	S22

1919

from which

An aspen, 3 ins.diam.,bears N.55°25'E., 39 lks.

dist.,marked T 11 S R 11 E S 15 B T

An aspen, 4 ins.diam.,bears S.60°E., 22 lks.

dist.,marked T 11 S R 11 E S 22 B T

An aspen, 4 ins.diam.,bears S.13°15'W., 65 lks.

dist.,marked T 11 S R 11 E S 21 B T

An aspen, 4 ins.diam.,bears N.31°15'W., 33 lks.

dist.,marked T 11 S R 11 E S 16 B T

Land, rough mountains with general N. and S. slopes of ridges and spurs into draws draining SE.

Soil, shallow brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay and gravel.

Timber, pine and aspen.

Undergrowth, sage, service berry and buck brush. Good grazing.

N.89°54'E., on a random line bet. secs. 15 and 22.

40.00 Set temp. ¼ sec. cor.

80.03 Intersect N. and S. line at the cor. of secs. 14,15,22 and 23.

Subdivision of T.11 S., R.11 E.

chains	
	Thence
	S.89°54'W., on true line bet. secs. 15 and 22.
	Over rough mountainous land through aspen and pine timber, sage, service berry and buck brush undergrowth.
	Ascend abruptly E. slope.
18.55	Spur, 455 ft. above sec. cor., projects S.; descend abruptly through dense timber.
35.80	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 440 ft. below spur, course S.; ascend abruptly E. slope 130 ft. to
40.01½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S15 / S22 / 1919.
	from which
	A pine, 15 ins.diam.,bears S.7°15'W., 76 lks. dist.,marked ¼ S 22 B T
	A pine, 6 ins.diam.,bears N.12°15'W., 44 lks. dist.,marked ¼ S 15 B T
	Continue steep ascent.
50.25	Spur, 250 ft. above ¼ sec. cor., projects S.; descend abruptly W. slope.
62.15	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 400 ft. below spur, course S.; ascend abruptly E. and NE. slopes 450 ft. to
80.03	The cor. of secs. 15,16,21 and 22.
	Land, rough mountains with general E. and W. slopes of spurs into canyons draining S.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay and gravel.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°02'W., bet. secs. 15 and 16.

Subdivision of T.11 S.,R.11 E.

chains	
	Over rough mountainous land,through dense young aspen and scattering pine timber. Descend over NE. slope across head of draw draining NE.
9.45	Spur, projects NE.; descend abruptly.
15.10	Draw, 240 ft. below sec. cor., drains E.; leave timber, bears E. and W.-Ascend.
18.00	Spur, 35 ft. above draw, projects E.; enter large pine timber, bears E. and W. Thence along broken E. slope.
30.40	Bottom of canyon and stream, 3 lks. wide, 1 in. deep, good water, course S.15°E.; ascend abruptly SW. slope through dense pine and aspen timber.
37.90	Spur, 90 ft. above canyon, projects W.; descend NW. slope.
40.00	Junction of canyons from the NE. and N.10°W., drains S.10°W.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S16 | S15 1919
	from which
	An aspen, 14 ins.diam.,bears N.83°E., 18 lks. dist.,marked ¼ S 15 B T
	An aspen, 10 ins.diam.,bears S.78°45'W., 53 lks. dist.,marked ¼ S 16 B T
	Ascend SW. slope.
43.10	Point of spur, projects SW.; continue to ascend.
64.65	Top of Argyle Ridge and divide between Argyle and Minnie Maude Canyons, 435 ft. above ¼ sec. cor., bears N.80°W. and S.80°E.; Descend over N. and NW. slopes 110 ft. to
80.00	On NW. slope.
	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
	T11S | R11E S9 | S10 S16 | S15 1919

Subdivision of T.11 S.,R.11 E.

chains	
	from which
	A pine, 5 ins.diam.,bears N.58°15'E., 49 lks. dist.,marked T 11 S R 11 E S 10 B.T
	A pine, 5 ins.diam.,bears S.36°45'E., 17 lks. dist.,marked T 11 S R 11 E S 15 B T
	A pine, 12 ins.diam.,bears S.42°15'W., 52 lks. dist.,marked T 11 S R 11 E S 16 B T
	A pine, 12 ins.diam.,bears N.72°30'W., 29 lks. dist.,marked T 11 S R 11 E S 9 B T
	Land mountainous, general N. and S. exposure and drainage from Argyle Ridge at 64.65 chs.
	Soil, brown loam, streaked with gravel and rock; sub-soil, moist clay and gravel.
	Timber, aspen and pine.
	Undergrowth, sage, service berry, buck and deer brush. Good grazing.
	N.89°54'E., on a random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line 9 lks. S. of the cor. of secs. 10,11,14 and 15.
	Thence
	S.89°50'W., on true line bet. secs. 10 and 15.
	Over rough mountainous land,through dense young aspen timber and undergrowth of sage, service berry and deer brush. Descend abruptly over W. slope.
12.05	Canyon, 340 ft. below sec. cor., drains N.; ascend abruptly over E. slope.
27.30	Leave dense young aspen timber and enter scattering pine timber, bears N. and S.
29.95	Spur, 360 ft. above canyon, projects N.; descend abruptly over W. slope 220 ft. to
40.06	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S10 / S15 / 1919

Subdivision of T.11 S., R.11 E.

chains	
	from which
	An aspen, 4 ins.diam., bears S.11°30'W., 30 lks. dist., marked ¼ S 15 B T
	A pine, 6 ins.diam., bears N.34°W., 59 lks. dist., marked ¼ S 10 B T
41.35	Draw, 40 ft. below ¼ sec. cor., drains N.; leave pine timber and enter burnt area, bears N. and S. Ascend.
46.10	Spur, 40 ft. above draw, projects NE.; descend abruptly NW. slope.
57.05	Canyon, 130 ft. below spur, drains N.20°E.; ascend abruptly over E. slope.
68.00	Leave burnt area and enter dense aspen and pine timber, bears N. and S.
75.10	Spur, 355 ft. above canyon, projects N.15°E.; descend W. slope 40 ft. to
80.12	The cor. of secs. 9,10,15 and 16.
	Land, high mountains, general N. exposure and drainage.
	Soil, brown loam, streaked with gravel and rock of limestone formation; sub-soil, dark brown clay and gravel.
	Timber, aspen and pine.
	Undergrowth, sage, deer, service berry and buck brush. Good grazing.
	N.0°02'W., bet. secs. 9 and 10.
	Over mountainous land, through dense aspen and pine timber and deer brush undergrowth. Descend along W. and NW. slopes of spur.
40.00	On NW. slope in dense aspen and pine timber, 245 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S9 | S10 1919
	from which

Subdivision of T.11 S.,R.11 E.

chains	
	A pine, 8 ins.diam.,bears N.47°40'E., 79 lks. dist.,marked ¼ S.10 B T
	A pine, 8 ins.diam.,bears S.38°20'W., 39 lks. dist.,marked ¼ S 9 B T
47.60	Draw, 85 ft. below ¼ sec. cor., drains NE.; ascend abruptly SE. slope.
51.70	Leave dense and enter scattering timber, bears E. and W.
56.80	Spur, 60 ft. above draw, projects E.; gradually descend.
59.60	Enter dense aspen timber, bears E. and W.
80.00	ON NW. slope 360 ft. below spur.

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

T11S	R11E
S4	S3
S9	S10

1919

from which

A pine, 8 ins.diam.,bears N.6°E., 12 lks. dist.,marked T 11 S R 11 E S 3 B T

An aspen, 10 ins.diam.,bears S.37°40'E., 48 lks. dist.,marked T 11 S R 11 E S 10 B T

A pine, 8 ins.diam.,bears S.80°15'W., 38 lks. dist.,marked T 11 S R 11 E S 9 B T

A pine, 10 ins.diam.,bears N.37°W., 35 lks. dist.,marked T 11 E R 11 E S 4 B T

Land, mountainous, general N. exposure and drainage.

Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay and gravel.

Timber, dense pine and aspen.

Undergrowth, deer, sage, scattering service berry and buck brush. Good grazing.

	N.89°50'E., on a random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 5 lks. S. of the cor. of secs.

Subdivision of T.11 S.,R.11 E.

chains	
	2,3,10 and 11.
	Thence
	S.89°48'W., on true line bet. secs. 3 and 10.
	Over rough mountainous land through dense pine and aspen timber, scattering deer and service berry brush.
	Ascend NE. slope of spur.
5.10	Spur, 90 ft. above cor., projects NW.; leave dense and enter scattering timber, bears N. and S. Descend abruptly over W. slope.
16.20	Canyon, 405 ft. below spur, drains N.20°E.; ascend abruptly over E. slope.
26.60	Ridge, 200 ft. above canyon, bears N. and S.; descend abruptly.
33.30	Draw, 180 ft. below ridge, drains N.; ascend.
40.00	Spur, 120 ft. above draw, projects N.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S3 / S10 / 1919
	from which
	An aspen, 12 ins.diam.,bears S.51°45'W., 40 lks. dist.,marked ¼ S 10 B T
	An aspen, 10 ins.diam.,bears N.43°30'W., 40 lks. dist.,marked ¼ S 3 B T
	Thence along N. slope through dense timber.
47.00	Spur, 40 ft. above ¼ sec. cor., projects N.; descend.
58.70	Canyon, 145 ft. below spur, drains N.10°E.; ascend abruptly.
63.10	Spur, 45 ft. above canyon, projects N.80°E.; thence along broken N. slope to
80.00	The cor. of secs. 3,4,9 and 10.
	Land, rough mountains, general N. exposure and drainage.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay loam and rock.
	Timber, aspen and pine.
	Undergrowth, sage, deer and service berry brush. Good

Subdivision of T.11 S., R.11 E.

chains	
	grazing.
	N.0°02'W., on true line bet. secs. 3 and 4.
	Over rough mountainous land through dense pine and aspen timber and undergrowth of sage, service berry and deer brush. Descend.
5.10	Bottom of Argyle Canyon and Creek, 6 lks. wide, 1 in. deep, good water, 85 ft. below cor., course E.
6.50	Road, bears E. and W.; Ascend abruptly over general S. slope of canyon.
13.15	Leave dense and enter scattering timber, bears E. and W.
40.00	On steep S. slope, 730 ft. above canyon.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S4 | S3 1919
	from which
	A pine, 12 ins. diam., bears N.86°15'E., 163 lks. dist., marked ¼ S 3 B T
	A pine, 8 ins. diam., bears N.58°10'W., 161 lks. dist., marked ¼ S 4 B T
41.90	Enter dense pine and aspen timber, bears E. and W.
43.60	Spur, 30 ft. above ¼ sec. cor., projects SE.; descend abruptly.
46.90	Head of draw, 35 ft. below spur, drains SE.; ascend abruptly.
52.90	Leave dense and enter scattering timber, bears E. and W.
63.09	Top of ridge divide bet. Uintah Basin and Argyle Canyon, 140 ft. above head of draw.
	Intersect S. bdy. of the Uintah Indian Reservation.
	Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock and 6 ins. in a mound of stone for closing cor. of secs. 3 and 4 with brass cap marked

Subdivision of T.11 S., R.11 E.

chains	
	UIR S4 | S3 T11S | R11E CC 1919
	from which
	A pine, 6 ins.diam.,bears S.78°15'E., 126 lks. dist.,marked C C T 11 S R 11 E S 3 B T
	A pine, 12 ins.diam.,bears S.19°W., 133 lks. dist.,marked C C T 11 S R 11 E S 4 B T
	From this closing cor. the 65th. mile cor. on the bdy. which is a pine post, 36 x 6 x 6 ins., marked and witnessed as described by the surveyor general bears S.48°15'W., 15.38 chs. distant.
	Land, high, rough mountains, slopes and drains N. and S. into Argyle Canyon which drains E.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, service berry, deer and buck brush. Good grazing.

	From the cor. of secs. 32, and 33 on the S. bdy. of the Tp. heretofore described.
	N.0°03'W., bet. secs. 32 and 33.
	Over mountainous land through scattering service berry and sagebrush undergrowth. Gradually descend.
8.70	Draw, 75 ft. below cor., drains SW.; Ascend.
35.50	Ridge, 445 ft. above draw, bears E. and W.; gradually descend over N. slope.
36.80	Enter dense young aspen timber, 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., with brass cap marked
	¼ S32 | S33 1918
	from which

Subdivision of T.11 S.,R.11 E.

chains

An aspen, 4 ins.diam.,bears N.57°30'E., 33 lks. dist.,marked ¼ S 33 B T

An aspen, 6 ins.diam.,bears S.36°30'W., 6 lks. dist.,marked ¼ S 32 B T

42.80 Leave aspen timber, bears E. and W.

52.60 Enter aspen timber, bears E. and W.

65.60 Canyon, 285 ft. below ridge, drains W.; leave aspen timber, bears E. and W. Ascend abruptly over S. slope.

80.00 On steep S. slope, 350 ft. above canyon.

Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for cor. of secs. 28,29,32 and 33, with brass cap marked

T11S	R11 E
S29	S28
S32	S33

1918

from which

A pine, 10 ins.diam.,bears S.49°30'E., 272 lks. dist.,marked T 11 S R 11 E S 33 B T

A pine, 10 ins.diam.,bears N.13°15'W., 66 lks. dist.,marked T 11 S R 11 E S 29 B T

No other trees available.

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

Land, mountainous, general SW. exposure and drainage.

Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay loam and rock.

Timber, aspen and a few scattering pine.

Undergrowth, sage and service berry brush. Good grazing.

N.89°55'E., on a random line bet. secs. 28 and 33.

40.00 Set temp. ¼ sec. cor.

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

Thence

Subdivision of T.11 S., R.11 E.

chains	
	S.89°58'W., on true line bet. secs. 28 and 33.
	Over rough mountainous land, along N. slope near top of ridge bearing E. and W. through scattering patches of aspen timber and undergrowth of sage and service berry brush. Gradually ascend.
11.30	Head of draw, drains N.
16.80	Spur, projects N.
24.30	Head of draw, drains NE.; enter dense pine and aspen timber, bears NE. and SW.
29.10	Leave dense timber, bears E. and W.
31.40	Top of ridge divide between Minnie Maude and Pole Canyons, 150 ft. above sec. cor., bears NW. and S.; descend abruptly over W. slope.
40.04	Head of draw, 200 ft. below ridge, drains SW.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S28/S33 1918
	from which
	A pine, 24 ins.diam., bears N.40°E., 200 lks. dist., marked ¼ S 28 B T
	An aspen, 4 ins.diam., bears S.31°15'E., 40 lks. dist., marked ¼ S 33 B T
	Gradually ascend.
42.90	Low spur, projects SW.; descend abruptly.
45.50	Enter dense aspen timber, bears N. and S.
55.30	Draw, 275 ft. below ¼ sec. cor., drains S. about 1 ch. to junction with main draw. Leave aspen timber, bears N. and S. Gradually ascend.
64.65	Spur, 25 ft. above draw, projects SW.; descend abruptly.
68.10	Draw, 90 ft. below spur, drains S.; ascend abruptly.
76.15	Spur, 155 ft. above draw, projects SE.; descend abruptly SW. slope 100 ft. to
80.08	The cor. of secs. 28,29,32 and 33.
	Land, rough mountainous, general NE. and SW. exposure and drainage from divide at 31.40 chs.

Subdivision of T.11 S.,R.11 E.

chains	
	Soil, brown clay loam, gravelly and rocky of limestone formation; sub-soil, moist clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage and service berry brush. Good grazing.
	N.0°03'W., bet. secs. 28 and 29.
	Over rough mountainous land through scattering pine and cedar timber and undergrowth of service berry and sagebrush. Ascend abruptly over S. slope.
2.90	Spur, 105 ft. above cor., projects SW.; enter pine and scattering aspen timber, bears NE. and SW. Descend over general NW. slope.
9.65	Leave dense pine timber, bears E. and W.
17.90	Enter dense pine timber, bears E. and W.
30.40	Leave pine and enter dense aspen timber, bears NE. and SW.
34.75	Canyon, 310 ft. below spur, drains SW.; ascend abruptly SE. slope.
37.30	Leave aspen timber, bears NE. and SW.
40.00	On SE. slope of ridge, 160 ft. above canyon. Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and 10 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S29 | S28 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Note: Trees are within limits in both secs. but are too small to mark.
45.85	Spur, 125 ft. above ¼ sec. cor., projects SW.; descend over NW. slope.
53.30	Draw, 105 ft. below spur, drains SW.; ascend abruptly.
59.90	Spur, 125 ft. above draw, projects S.40°W.; gradually descend over W. slope.
73.80	Draw, 55 ft. below spur, drains S.70°W.; small grove of aspen timber in draw. Ascend abruptly.

Subdivision of T.11 S.,R.11 E.

chains	
80.00	On nearly S. slope, 130 ft. above draw.
	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
	T11S | R11E S20 | S21 S29 | S28 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rough mountains, general SW. exposure and drainage.
	Soil, brown clay loam, gravelly and rocky of limestone formation; sub-soil, moist clay loam and rock.
	Timber, scattering patches of aspen, pine and a few cedar.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.89°58'E., on a random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect N. and S. line 23 lks. S. of the cor. of secs. 21,22,27 and 28.
	Thence
	S.89°48'W., on true line bet. secs. 21 and 28.
	Over rough mountainous land through scattering pine and aspen timber and undergrowth of sage and service berry brush. Descend abruptly over W. slope.
8.70	Draw, 185 ft. below cor., drains S.; enter dense aspen timber and begin abrupt ascent over E. slope.
13.50	Leave aspen timber, bears N. and S.
19.30	Spur, 105 ft. above draw, projects S.15°E.; gradually descend over SW. slope.
40.04	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S21 / S28 / 1918
	from which

Subdivision of T.11 S.,R.11 E.

chains	
	A pine, 8 ins.diam.,bears S.37°40'E., 20 lks. dist.,marked ¼ S 28 B T
	A pine, 14 ins.diam.,bears N.16°15'W., 61 lks. dist.,marked ¼ S 21 B T
	Enter scattering pine and aspen timber, bears N. and S. Continue to descend.
43.85	Bottom of Minnie Maude Canyon and stream, 4 lks. wide, 2 ins.deep, good water, 425 ft. below spur, course SE.; ascend abruptly.
67.40	Top of ridge divide between Minnie Maude and Pole Canyons, 475 ft. above Minnie Maude Canyon, bears N. and S.; descend abruptly over SW. slope 135 ft. to
80.08	The cor. of secs. 20,21,28 and 29.
	Land, rough mountains; general S. exposure; easterly drainage on E. 67.40 chs. and southwesterly drainage on remainder of mile.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist, brown clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°03'W., bet. secs. 20 and 21.
	Over rough mountainous land through dense undergrowth of sage and service berry brush. Ascend.
2.50	Spur, 50 ft. above cor., projects S.30°W.; gradually descend.
6.50	Head of draw, about level with spur, drains S.30°W.; ascend abruptly SW. slope over broken white shale rock and ledges.
16.30	Top of ridge divide between Minnie Maude and Pole Canyons, 405 ft. above sec. cor., bears N.60°W. and S.60°E. Enter dense young aspen timber, bears NW. and SE.; descend abruptly over N. and NE. slopes.
40.00	On N. slope, 470 ft. below ridge. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in

chains	
	the ground for ¼ sec. cor., with brass cap marked
	¼
	S20 | S21
	1919
	from which
	An aspen, 8 ins.diam.,bears S.69°15'E., 15 lks. dist.,marked ¼ S 21 B T
	An aspen, 6 ins.diam.,bears N.14°15'W., 17 lks. dist.,marked ¼ S 20 B T
41.35	Bottom of canyon, 25ft. below ¼ sec. cor., drains E.; ascend abruptly over S. slope.
46.20	Leave aspen and enter scattering pine timber, bears E. and W.
65.65	Top of high spur, 745 ft. above canyon, projects SE.; from this point spurs also project NE. and E. Descend along E. slope.
74.35	Descend N. slope through pine, young aspen and fallen timber.
80.00	On N. slope 320 ft. below spur.
	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
	T11S | R11E S17 | S16 S20 | S21 1919
	from which
	An aspen, 5 ins.diam.,bears N.63°45'E., 5 lks. dist.,marked T 11 S R 11 E S 16 B T
	An aspen, 3 ins.diam.,bears S.73°15'E., 57 lks. dist., marked T 11 S R 11 E S 21 B T
	An aspen, 4 ins.diam.,bears S.27°15'W., 69 lks. dist.,marked T 11 S R 11 E S 20 B T
	An aspen, 5 ins.diam.,bears N.47°W., 29 lks. dist.,marked T 11 S R 11 E S 17 B T
	Land, high mountains, eastern and southern exposure.

Subdivision of T.11 S.,R.11 E.

chains	
	Drainage SW. on S. 16.30 chs. and SE. on remainder of mile.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist brown clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.89° 48'E., on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 5 lks. N. of the cor. of secs. 15,16,21 and 22.
	Thence
	S.89°50'W., on true line bet. secs. 16 and 21.
	Over rough mountainous land through young aspen timber and undergrowth of sage and deer brush. Ascend.
6.90	Spur, 50 ft. above cor., projects SE.; gradually descend.
18.50	Draw, 30 ft. below spur, drains SE.; ascend.
20.85	Leave aspen timber, bears N. and S.; thence across nearly level top of high ridge.
30.25	Ridge, 115 ft. above draw, bears N. and S.; enter dense pine and aspen timber, bears N. and S. Descend abruptly over W. slope 355 ft. to
40.01	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S16/S21 1919
	from which
	A pine, 10 ins.diam.,bears S.4°15'E., 49 lks. dist.,marked ¼ S 21 B T
	A pine, 20 ins.diam.,bears N.9°40'W., 40 lks. dist.,marked ¼ S 16 B T
47:75	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 265 ft. below ¼ sec. cor., course SW.; ascend over SE. slope.

Subdivision of T.11 S.,R.11 E.

chains	
54.05	Spur, 140 ft. above canyon, projects S. about 10 chs.; descend abruptly.
61.20	Bottom of Minnie Maude Canyon and stream, 2 lks. wide, 2 ins. deep, good water, 164 ft. below spur, course SE.; ascend abruptly over E. slope.
72.00	Spur, 305 ft. above canyon, projects NE.; gradually descend over N. slope 35 ft. to
80.02	The cor. of secs. 16,17,20 and 21.
	Land, high, rough mountains, general SE. exposure and drainage.
	Soil, loose clay loam, gravelly and rocky of limestone formation; sub-soil, moist, hard, clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, service berry and deer brush. Good grazing.
	N.0°03'W., bet. secs. 16 and 17.
	Over rough mountainous land through scattering aspen and pine timber, undergrowth sage and buck brush. Descend.
1.10	Draw, 35 ft. below cor., drains NE.; ascend abruptly over SE. slope.
12.50	Spur, 150 ft. above draw, projects S.70°E.; descend abruptly over NE. slope.
23.40	Draw, 200 ft. below spur, drains S.80°E.; ascend abruptly.
28.60	Spur, 200 ft. above draw, projects E.; descend.
35.70	Bottom of canyon, 115 ft. below spur, drains SE.; ascend abruptly over S. slope 65 ft. to
40.00	On steep S. slope in dense aspen timber.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	S17 | S16 1919
	from which

Subdivision of T.11 S.,R.11 E.

chains	
	An aspen, 18 ins.diam.,bears S.9°05'E., 48 lks. dist.,marked ¼ S 16 B T
	An aspen, 14 ins.diam.,bears N.80°05'W., 43 lks. dist.,marked ¼ S 17 B T
49.90	Leave timber, bears E. and W.
57.00	Top of Argyle Ridge and divide between Argyle and Minnie Maude Canyons, 330 ft. above ¼ sec. cor., bears E. and W.; descend over N. slope along top of spur projecting N.
59.60	Enter dense aspen and scattering pine timber, bears E. and W.
76.10	Spur, 90 ft. below divide, turns N.10°E.; descend over NW. slope.
80.00	On W. slope in dense timber.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 8,9,16 and 17, with brass cap marked

T11S S8	R11E S9
S17	S16

1919

from which

A pine, 19 ins.diam.,bears N.66°30'E., 50 lks. dist.,marked T 11 S R 11 E S 9 B T

A pine, 14 ins.diam.,bears S.41°E., 31 lks. dist.,marked T 11 S R 11 E S 16 B T

A pine, 12 ins.diam.,bears S.39°10'W., 39 lks. dist.,marked T 11 S R 11 E S 17 B T

A pine, 8 ins.diam.,bears N.36°40'W., 21 lks. dist.,marked T 11 S R 11 E S 8 B T

Land, rough mountains, general N. and S. exposure and drainage from Argyle Ridge at 57.00 chs.

Soil, brown clay loam, gravelly and rocky of limestone formation; sub-soil, moist clay and rock.

Timber, aspen and pine.

Undergrowth, sage, scattering service berry and deer

Subdivision of T.11 S., R.11 E.

chains	
	brush. Good grazing.
	N.89°50'E., on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
79.88	Intersect N. and S. line 7 lks. S. of the cor. of secs. 9,10,15 and 16.
	Thence
	S.89°47'W., on true line bet. secs. 9 and 16.
	Over rough mountainous land through dense aspen and pine timber, undergrowth scattering service berry, sage and deer brush. Descend abruptly over W. slope.
6.30	Draw, 75 ft. below sec. cor., drains N.; leave dense pine timber, bears N. and S. Ascend abruptly over E. slope.
12.90	Leave dense aspen timber, bears N. and S.
14.40	Ridge, 80 ft. above draw, bears N. and S.; descend abruptly over W. slope.
21.80	Enter dense aspen and pine timber, bears N. and S.
29.10	Canyon, 265 ft. below ridge, drains N.; ascend over E. slope 165 ft. to
39.94	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked S9 ¼ S16 1919 from which A pine, 16 ins.diam.,bears S.32°45'E., 79 lks. dist.,marked ¼ S 16 B T A pine, 32 ins.diam.,bears N.27°30'W., 39 lks. dist.,marked ¼ S 9 B T
42.30	Top of steep ascent and leave dense timber, bears N. and S.; gradually ascend.
49.60	Ridge, 125 ft. above ¼ sec. cor., bears N.and S.; descend abruptly over W. slope.
54.90	Enter dense timber, bears N. and S.
69.90	Canyon, 360 ft. below ridge, drains N.; ascend abruptly over E. slope.

Subdivision of T.11 S., R.11 E.

chains	
77.90	Spur, 205 ft. above canyon, projects N.10°E.; descend over W. slope 20 ft. to
79.88	The cor. of secs. 8,9,16 and 17.
	Land, rough mountains, general N. exposure and drainage.
	Soil, brown loam, gravelly and rocky of limestone formation; sub-soil, moist, brown clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, service berry and deer brush. Good grazing.
	N.0°03'W., bet. secs. 8 and 9.
	Over rough mountainous land through dense pine and scattering aspen timber, deer and service berry brush undergrowth. Descend along W. slope near top of spur projecting N.10°E.
10.80	Leave dense and enter scattering timber, bears E. and SW.
21.00	Enter dense young aspen timber, bears E. and W.
23.95	Draw, drains NE. about 2 chs. thence NW. about 10 chs. to canyon; ascend over low point of spur.
29.20	Same draw, drains NW.; enter dense pine timber, bears E. and W.
40.00	On NW. slope, 305 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and 10 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S8 | S9 1919
	from which
	A pine, 14 ins. diam., bears N.62°E., 6 lks. dist., marked ¼ S 9 B T
	A pine, 5 ins. diam., bears S.68°15'W., 38 lks. dist., marked ¼ S 8 B T
57.75	Draw, drains N.20°E. about 2 chs. to junction with Argyle Canyon; ascend over low point of spur projecting NE.

Subdivision of T.11 S.,R.11 E.

chains	
61.05	Bottom of Argyle Canyon and Creek, 4 lks. wide, 2 ins. deep, good water, 130 ft. below ¼ sec. cor., course N.80°E.; gradually ascend.
64.55	Road, bears NE. and SW.
66.05	Point of spur, projects E.
66.95	Draw, drains SE. about 5 chs. to Argyle Canyon; Ascend abruptly over S. slope.
80.00	On S. slope near top of spur, 325 ft. above Argyle Canyon. 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

T11S S5	R11E S4
S8	S9

1919

from which

A pine, 15 ins.diam.,bears N.59°45'E., 13 lks. dist.,marked T 11 S R 11 E S 4 B T

A pine, 8 ins.diam.,bears S.17°15'E., 68 lks. dist.,marked T 11 S R 11 E S 9 B T

A pine, 8 ins.diam.,bears S.47°15'W., 26 lks. dist.,marked T 11 S R 11 E S 8 B T

A pine, 8 ins.diam.,bears N.27°W., 10 lks. dist.,marked T 11 S R 11 E S 5 B T

Land, rough mountains, general N. and S. exposure and drainage to Argyle Canyon which drains E.

Soil, light brown loam, gravelly and rocky of limestone formation; sub-soil, light clay and rock.

Timber, aspen and pine.

Undergrowth, deer, service berry and sagebrush. Good grazing.

N.89°47'E., on a random line bet. secs. 4 and 9.

40.00	Set temp. ¼ sec. cor.
79.88	Intersect N. and S. line 7 lks. S. of the cor. of secs. 3,4,9 and 10.

Subdivision of T.11 S.,R.11 E.

chains	
	Thence
	S.89°44'W., on true line bet. secs. 4 and 9.
	Over rough mountainous land throughdense aspen and pine timber and scattering undergrowth. Ascend over broken N. slope.
8.00	Spur, 25 ft. above cor., projects NW.; descend.
14.60	Leave dense timber, bears N. and S.
15.40	Bottom of Argyle Canyon and Creek, 5 lks. wide, 1 in. deep, good water, 75 ft. below spur, course NE.; ascend abruptly.
16.00	Road, bears NE. and SW.
23.30	Spur, 115 ft. above canyon, projects S.; descend.
29.80	Draw, 35 ft. below spur, drains S.10°E.; ascend abruptly over SE. slope.
39.94	Spur, 150 ft. above draw, projects S.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S4/S9 1919
	from which
	A pine, 14 ins.diam.,bears N.63°15'E., 101 lks. dist.,marked ¼.S 4 B T
	A pine, 18 ins.diam.,bears S.30°10'W., 71 lks. dist.,marked ¼.S 9 B T
	Descend.
52.90	Draw, 110 ft. below spur, drains SE.; leave scattering pine timber, bears NW. and SE. Ascend abruptly.
55.10	Enter dense aspen timber, bears N. and S.
78.30	Spur, 400 ft. above draw, projects SE.; gradually descend.
79.88	The cor. of secs. 4,5,8 and 9.
	Land, rough mountainous, general N. and S. exposure and drainage to Argyle Canyon which drains E.
	Soil, brown and gray loams, gravelly and rocky of limestone formation; sub-soil, moist brown clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, service berry, deer and buck brush.

Subdivision of T.11 S.,R.11 E.

chains	
	Good grazing.
	N.0°03'W., on true line bet. secs. 4 and 5.
	Over rough mountainous land through dense pine timber and scattering undergrowth. Gradually ascend.
5.75	Spur, projects SE.; thence along E. slope gradually ascending.
12.40	Leave dense pine and enter scattering aspen timber and sagebrush undergrowth, bears E. and W.
17.35	Top of ascent, gradually descend.
20.65	Head of draw, drains S.10°E. about 7 chs. thence S.60°E.
23.90	Enter dense young aspen timber, bears E. and W.
27.53	Top of ridge divide betweeen Uintah Basin and Argyle Canyon, 195 ft. above sec. cor., bears N.50°E. and S.50°W. Intersect. S. bdy. Uintah Indian Reservation. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 4 and 5, with brass cap marked

UIR

S5 T11S | S4 R11E

CC 1919

from which

A pine, 7 ins.diam.,bears S.74°E., 14 lks. dist., marked C C T 11 S R 11 E S 4 B T

A pine, 7 ins.diam.,bears S.36°15'W., 29 lks. dist.,marked C C T 11 S R 11 E S 5 B T

From this cor., the 66th. mile cor. on the bdy., which is a pine post, 4 ins. square, extending 2 ft. above, ground, firmly set, and marked and witnessed as described by the surveyor general, bears N.48°15'E., 5.69 chs. distant.

Land, mountainous, S. exposure and drainage.

Soil, light brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay.

Timber, aspen and pine.

Subdivision of T.11 S.,R.11 E.

chains	
	Undergrowth, sage, service berry and deer brush. Good grazing.
	From the cor. of secs. 31 and 32 on the S. bdy. of the tp. heretofore described
	N.0°03'W., bet. secs. 31 and 32.
	Over rough mountainous land through service berry and sagebrush undergrowth. Ascend eastern slope of high ridge.
14.45	Grassy spur, 110 ft. above cor., projects SE.; gradually descend.
36.70	Draw, 75 ft. below spur, heads W. about 5 chs. dist.; drains E.; gradually ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S31 | S32 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
40.50	Begin steep ascent over S. slope of spur, bears E. and W.
57.65	Spur, 370 ft. above ¼ sec. cor., projects E.; gradually descend along E. slope 115 ft. to
80.00	On E. slope of long,high ridge.
	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
	T11S | R11E S30 | S29 S31 | S32 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous, E. exposure and drainage to Pole Canyon which drains S.
	Soil, brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.

Subdivision of T.11 S., R.11 E.

chains	
	No timber.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.89°55'E., on a random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line 7 lks. N. of the cor. of secs. 28,29,32 and 33.
	Thence
	S.89°58'W., on true line bet. secs. 29 and 32.
	Over rough mountainous land through undergrowth of sage, service berry and buck brush. Descend along S. slope.
2.45	Spur, projects SW.; descend abruptly.
27.85	Bottom of Pole Canyon and wash, 15 lks. wide, 10 ft. deep, 560 ft. below spur, drains SW.; ascend abruptly over SE. slope.
38.30	Sandstone ledge, 12 ft. high, bears N. and S.
40.05	On SE. slope of spur.
	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S29/S32 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
44.10	Spur, 265 ft. above canyon, projects S.; descend abruptly.
54.00	Bottom of Fork of Pole Canyon and wash, 60 lks. wide, 18 ft. deep, 310 ft. below spur, drains S.10°E.; ascend over E. slope of ridge 250 ft. to
80.10	The cor. of secs. 29,30,31 and 32.
	Land, rough mountainous, general S. exposure and drainage.
	Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist, light brown clay and rock.
	No timber.
	Undergrowth, sage, service berry and buck brush. Good

Subdivision of T.11 S., R.11 E.

chains	
	grazing.
	S.89°55'W., on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
88.00	Intersect. W. bdy. of the tp., 28 lks. S. of 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 marked and witnessed as described by the surveyor general.
	Thence
	S.89°54'E., on true line bet. secs. 30 and 31.
	Over rough mountainous land through undergrowth of sage, service berry and buck brush. Gradually descend.
3.00	Draw and stream, 1 lk. wide, ½ in. deep, good water, course SW.; ascend.
9.90	Enter aspen timber, bears N. and S.
13.35	Spur, 195 ft. above draw, projects N.; gradually descend.
14.25	Draw, 30 ft. below spur, drains NW.; leave timber, bears NW. and SE.; ascend abruptly over NW. slope.
36.90	Ridge, 290 ft. above draw, bears NE. and SW.; descend abruptly over SE. slope
46.00	Draw, 200 ft. below ridge, drains SW.; Ascend abruptly over W. slope of ridge.
48.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S30 / S31 / 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
57.40	Ridge, 500ft. above draw, bears N. and S.; descend abruptly over E. slope 455 ft. to
88.00	The cor. of secs. 29,30,31 and 32.
	Land, rough mountains, general E. and W. slopes of ridges and spurs into draws draining S.
	Soil, shallow brown loam, streaked with gravel and rock of sandstone and limestone formation; sub-soil, moist

Subdivision of T.11 S., R.11 E.

chains	
	brown loam, gravel and rock.
	Timber, aspen in western portion of mile.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°03'W., bet. secs. 29 and 30.
	Over mountainous land through undergrowth of sage and service berry brush. Gradually descend along eastern slope of ridge.
20.35	Bottom of Fork of Pole Canyon, 70 ft. below sec. cor. drains SE.; ascend abruptly over SW. slope of high spur.
37.40	Small shale ledge, 5 ft. high, bears N.10°W. and S.10°E.
40.00	On W. slope of spur, 350 ft. above canyon.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S30 | S29 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Continue ascent.
77.00	High spur, 330 ft. above ¼ sec. cor., projects SE.; thence 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. 19,20,29 and 30, with brass cap marked
	T11S | R11E S19 | S20 S30 | S29 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rough mountainous; general S. exposure and drainage.
	Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist, light brown clay and rock.

chains	
	No timber.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.89°58'E., on a random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
80.15	Intersect N. and S. line 5 lks. S. of the cor. of secs. 20,21,28 and 29.
	Thence
	S.89°56'W., on true line bet. secs. 20 and 29.
	Over mountainous land draining S., through dense sage and service berry brush. Descend abruptly over W. slope.
4.85	Draw, 165 ft. below sec. cor., drains S.10°E. Few scattering aspen trees in bottom of draw. Ascend abruptly.
14.55	Spur, 165 ft. above draw, projects SW.; descend abruptly over NW. slope.
21.65	Enter dense aspen timber, bears NE. and SW.
26.45	Draw, 315 ft. below spur, drains SW.; leave aspen timber, bears NE. and SW. Gradually ascend SE. slope.
35.75	Spur, 65 ft. above draw, projects S. about 5 chs.; descend abruptly over SW. slope 150 ft. to
40.07½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S20 / S29 / 1918
	from which
	A pine, 18 ins.diam.,bears S.68°25'W., 104 lks. dist.,marked ¼ S 29 B T
	A pine, 16 ins.diam.,bears N.78°30'W., 186 lks. dist.,marked ¼ S 20 B T
42.80	Bottom of deep draw, 35 ft. below ¼ sec. cor., drains S.; enter dense pine timber, bears N. and S. Ascend.
50.40	Leave dense timber, bears N. and S.
56.90	Ridge, 375 ft. above draw, bears N. and S.; descend.
66.10	Draw, 230 ft. below spur, drains S.; aspen timber in bottom of draw, bears N. and S. Ascend abruptly over

chains	
	E. slope 340 ft. to
80.15	The cor. of secs. 19,20,29 and 30.
	Land, rough mountainous, general S. exposure and drainage.
	Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist brown clay and rock.
	Timber, scattering patches of aspen and pine.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.89°54'W., on a random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
87.95	Intersect W. bdy. of the tp. 15 lks. N. of the cor. of secs. 19,24,25 and 30 which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Thence
	East, on true line bet. secs. 19 and 30.
	Over mountainous land through dense aspen timber and undergrowth of sagebrush. Descend over E. slope.
12.20	Draw, 140 ft. below sec. cor., drains N.15°W.; ascend
24.45	Leave dense young aspen timber, bears N. and S.
31.55	Ridge, 270 ft. above draw, bears NE. and SW.; descend abruptly over SE. slope.
43.95	Draw, 195 ft. below ridge, drains S.; ascend abruptly SW. slope, 90 ft. to
47.95	Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground on solid rock and 16 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S19 / S30 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Continue steep ascent.
58.45	Ridge, 230 ft. above ¼ sec. cor., bears NW. and S., at

chains	
	junction with ridge from the SE.; thence along N. slope across head of draw draining NW.
63.45	Ridge, bears N.15°E. and S.25°W.; descend abruptly over E. slope.
78.65	Fork of Pole Canyon, 320 ft. below ridge, drains S.; dense young aspen timber along bottom of canyon. Ascend abruptly over W. slope.
87.20	Spur, 160 ft. above canyon, projects SE.; descend E. slope 18 ft. to
87.95	The cor. of secs. 19,20,29 and 30.
	Land, high, rough mountains, general S. exposure and drainage.
	Soil, moist, brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rocky.
	Timber, scattering patches of aspen.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°03'W., bet. secs. 19 and 20.
	Over rough mountainous land through sagebrush and service berry undergrowth. Ascend along E. slope of high ridge.
38.80	Enter scattering pine timber, bears E. and W.; ascend abruptly SE. slope.
40.00	On SE. slope 420 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S19 | S20 1919
	from which
	A pine, 14 ins. diam., bears S.53°50'E., 29 lks. dist., marked ¼ S 20 B T
	A pine, 14 ins. diam., bears S.74°45'W., 78 lks. dist., marked ¼ S 19 B T
42.80	High ridge, 115 ft. above ¼ sec. cor., bears E. and W.

Subdivision of T.11 S., R.11 E.

chains	
	Enter dense pine and aspen timber, bears E. and W.; descend abruptly over N. slope.
47.90	Draw, 180 ft. below ridge, drains NW.; gradually descend.
50.00	Spur, 40 ft. below draw, projects NW.; descend.
51.80	Draw, 60 ft. below spur, drains NW.; leave dense timber, bears E. and W. Ascend.
65.30	Spur, 15 ft. above draw, projects NW.; descend abruptly.
72.20	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 300 ft. below spur, course S.60°W.; ascend abruptly.
80.00	On steep S. slope, 210 ft. above canyon.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs.17,18,19 and 20, with brass cap marked

T11S S18	R11E S17
S19	S20

1919

from which

A pine, 18 ins.diam.,bears N.24°30'E., 160 lks. dist.,marked T 11 S R 11 E S 17 B T

A pine, 14 ins.diam.,bears S.76°30'E., 62 lks. dist.,marked T 11 S R 11 E S 20 B T

A pine, 10 ins.diam.,bears S.47°30'W., 251 lks. dist.,marked T 11 S R 11 E S 19 B T

A pine, 20 ins.diam.,bears N.33°W., 175 lks. dist.,marked T 11 S R 11 E S 18 B T

Land, rough mountainous, general SW. exposure and drainage.

Soil, shallow brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, moist, brown clay and rock.

Timber, scattering patches of aspen and pine.

Undergrowth, sage, service berry, buck and deer brush. Good grazing.

Subdivision of T.11 S.,R.11 E.

CHAINS	
	N.89°56'E., on a random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.15	Intersect N. and S. line 20 lks. N. of the cor. of secs. 16,17,20 and 21.
	Thence
	N.89°55'W., on true line bet. secs. 17 and 20.
	Over rough mountainous land through pine and aspen timber and scattering undergrowth. Descend along N. slope.
1.40	Draw, about level with sec. cor., drains NE.; ascend abruptly.
12.80	Leave aspen timber, bears N. and S.
14.50	Enter large, dense pine timber, bears NE. and SW.
22.65	Ridge, 425 ft. above draw, bears NW. and SE.; gradually descend over W. slope.
31.35	Descend abruptly over W. slope.
40.07½	On W. slope, 315 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S17/S20 1919
	from which
	A pine, 12 ins.diam.,bears S.39°45'W., 95 lks. dist.,marked ¼ S 20 B T
	A pine, 12 ins.diam.,bears N.44°W., 37 lks. dist.,marked ¼ S 17 B T
	Continue descent over W. slope.
43.20	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 90 ft. below ¼ sec. cor., course S.; ascend abruptly E. slope.
48.35	Spur, 110 ft. above canyon, projects S. about 5 chs.; descend.
50.45	Draw, 15 ft. below spur, drains SE. about 5 chs., thence E. to canyon; ascend.
55.20	Leave dense timber, bears N. and S.

Subdivision of T.11 S.,R.11 E.

chains	
59.00	Top of ridge divide between Minnie Maude Canyon and Willow Creek Canyon, 290 ft. above draw, bears N. and S.; leave timber, bears N. and S. Descend abruptly SW. slope.
63.30	Enter dense young aspen timber, bears NW. and SE.
67.50	Draw, 195 ft. below divide, drains SW.; ascend.
68.00	Leave aspen timber and enter scattering pine timber, bears N. and S.
72.00	Spur, 20 ft. above draw, projects S.; descend broken S. slope.
79.20	Draw, 138 ft. below spur, drains S. about 5 chs. to main draw, thence SW. ; ascend.
80.15	The cor. of secs. 17,18,19 and 20.
	Land, high mountains, general S. exposure. SE. drainage on E. 59.00 chs.;SW. drainage on W. 21.15 chs.
	Soil, moist, brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, moist, dark brown clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry, deer and buck brush. Good grazing.
	West, on a random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
87.91	Intersect W. bdy. of the tp., 16 lks. S. of the cor. of secs. 13,18,19 and 24 which is an iron post, 3 ins. in diam., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Thence
	S.89°54'E., on true line bet. secs. 18 and 19.
	Over rough mountainous land through scattering pine and aspen timber and undergrowth of sage, service berry and buck brush. Ascend abruptly.
18.90	Spur, 550 ft. above sec. cor., projects SW.; descend

chains	
	abruptly.
47.91	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked $\frac{1}{4}$ S18 / S19 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Note: No suitable trees are available.
	Continue descent.
50.60	Bottom of canyon, 585 ft. below spur, stream of good water, 3 lks. wide, 1 in. deep, in bottom of same, course SW.; ascend abruptly over W. slope.
81.90	Spur, 620 ft. above canyon, projects S.30°W.; gardaully descend along S. slope to
87.91	The cor. of secs. 17,18,19 and 20.
	Land, steep, rough mountains, general SW. exposure and drainage.
	Soil, shallow brown loam, streaked with gravel and rock of sandstone and limestone formation; sub-soil, hard, sticky clay and rock.
	Timber, scattering pine and aspen.
	Undergrowth, sage, service berry and deer brush. Good grazing.
	N.0°03'W., bet. secs. 17 and 18.
	Over rough mountainous land through scattering pine and aspen timber and undergrowth of sage and service berry brush; considerable dead and fallen timber. Ascend abruptly over S. slope.
7.90	Spur, 190 ft. above sec. cor., projects W.; descend abruptly over N. and NW. slopes.
22.35	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 435 ft. below spur, course SW.; ascend abruptly.
27.85	Spur, 140 ft. above canyon, projects SE.; gradually descend.

Subdivision of T.11 S.,R.11 E.

chains	
35.20	Draw, 40 ft. below spur, drains SE. about 4 chs. to junction with draw from the NE., thence S. to main canyon; ascend abruptly over SW. slope.
40.00	On SW. slope, 107 ft. above draw. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S18 | S17 1919 from which An aspen, 3 ins.diam.,bears S.4°15'E., 59 lks. dist.,marked ¼ S 17 B T An aspen, 3 ins.diam.,bears S.52°15'W., 40 lks. dist.,marked ¼ S 18 B T Continue steep ascent.
55.90	High spur, near junction with divide, 230 ft. above ¼ sec. cor., projects W.; about 3 chs. west spur forks and projects W. and SW. Descend along general W. slope.
62.70	Draw, 65 ft. below spur, drains W. about 12 chs., thence SW.; ascend over SW. slope.
73.60	Top of Argyle Ridge and divide between Argyle Canyon and Willow Creek Canyon, bears S.30°E. and NW.; ridge descends abruptly to low saddle to the NW.; spur projects N. from ridge at this point. Gradually descend over N. slope on top of spur.
80.00	On top of W. slope of spur projecting N. Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock and 12 ins. in a mound of stone for cor. of secs. 7,8,17 and 18, with brass cap marked T11S | R11E S7 | S8 S18 | S17 1919 from which

Subdivision of T.11 S.,R.11 E.

chains

An aspen, 6 ins.diam.,bears N.55°30'E., 69 lks. dist.,marked T 11 S R 11 E S 8 B T

An aspen,5 ins.diam.,bears S.54°30'E., 41 lks. dist.,marked T 11 S R 11 E S 17 B T

An aspen, 4 ins.diam.,bears S.40°15'W., 112 lks. dist.,marked T 11 S R 11 E S 18 B T

An aspen, 5 ins.diam.,bears N.4°30'W., 272 lks. dist.,marked T 11 S R 11 E S 7 B T

Land, rough mountains, general SW. and N. exposure and drainage from Argyle Ridge.

Soil, shallow brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, moist, dark brown clay and rock.

Timber, aspen and pine.

Undergrowth, sage, service berry and deer brush. Good grazing.

S.89°55'E., on a random line bet. secs. 8 and 17.

40.00 Set temp. ¼ sec. cor.

80.02 Intersect N. and S. line 5 lks. N. of the cor. of secs. 8,9,16 and 17.

Thence

N. 89°53'W., on true line bet. secs. 8 and 17.

Over rough mountainous land through pine and aspen timber and undergrowth of sage, service berry and deer brush. Descend over W. slope.

5:00 Leave dense pine timber, bears N. and S.

12.40 Draw, 290 ft. below sec. cor., drains N.15°W.; enter dense timber, bears N. and S. Ascend.

16.70 Spur, 60 ft. above draw, projects N.; descend.

26.75 Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 125 ft. below spur, drains N.15°E.; leave pine timber, bears NE. and SW. Ascend.

40.01 On SE. slope 290 ft. above canyon.

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

Subdivision of T.11 S., R.11 E.

chains	
	in the ground for ¼ sec. cor., with brass cap marked
	¼ S8 / S17 / 1919
	from which
	An aspen, 3 ins.diam., bears S.29°30'E., 42 lks. dist., marked ¼ S 17 B T
	An aspen, 3 ins.diam., bears N.27°30'W., 47 lks. dist., marked ¼ S 8 B T
43.40	Leave aspen timber, bears NE. and SW.
52.00	Spur, 160 ft. above ¼ sec. cor., projects N.10°E.; descend over W. slope.
61.00	Enter aspen timber, bears N. and S.
65.35	Draw, 290 ft. below spur, drains N.; ascend E. slope.
79.35	Spur, 230 ft. above draw, projects N.; gradually descend.
80.02	The cor. of secs. 7,8,17 and 18.
	Land, mountainous, general N. exposure and drainage.
	Soil, brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, moist brown clay and gravel.
	Timber, aspen and pine.
	Undergrowth, sage, service berry and deer brush. Good grazing.
	N.89°54'W., on a random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
87.84	Intersect W. bdy. of the tp. 5 lks. N. of the cor. of secs. 7,12,13 and 18, which is an iron post, 3 ins. in dia., firmly set in a mound of earth and stone, marked and witnessed as described by the surveyor general.
	Thence
	S.89°56'E., on true line bet. secs. 7 and 18.
	Over rough mountainous land through dense pine timber and undergrowth of sage and scattering service berry brush. Descend abruptly over E. slope.

Subdivision of T.11 S., R.11 E.

chains	
4.65	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 170 ft. below sec. cor., course S.; ascend abruptly over W. slope.
14.75	Spur, 330 ft. above canyon, projects S.15°W.; descend abruptly E. slope.
31.80	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 415 ft. below spur, course SW.; ascend abruptly.
37.95	Cross small draw, drains S.80°W.; continue ascent.
47.84	On NW. slope, 365 ft. above canyon. Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for ¼ sec. cor., with brass cap marked $\frac{1}{4}$ S7 / S18 / 1919 from which Apine, 4 ins.diam.,bears S.43°30'W., 13 lks. dist., marked ¼ S 18 B T. A pine, 6 ins.diam.,bears N.31°15'W., 27 lks. dist.,marked ¼ S 7 B T
52.00	Spur, 10 ft. above ¼ sec. cor., projects S.; thence over rolling and broken ground sloping S.
75.00	Top of Argyle Ridge, in low saddle, bears NW. and SE.; Ascend NW. and W. slopes.
80.60	Enter dense aspen timber, bears N.80°W. and SE.
84.35	Leave dense aspen timber, bears N. and S.
87.84	The cor. of secs. 7,8,17 and 18, 365 ft. above ¼ sec.cor.

Land, rough mountainous, general N. and S. exposure and drainage from Argyle Ridge.

Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, brown, friable clay and rock.

Timber, pine and aspen.

Undergrowth, sage, service berry and deer brush. Good grazing.

Subdivision of T.11 S.,R.11 E.

CHAINS	
	N.0°03'W., bet. secs. 7 and 8.
	Over rough mountainous land through dead and fallen timber and undergrowth of sage and service berry brush. Gradually descend along top of W. slope of spur projecting N.
5.00	Enter scattering aspen timber, bears E. and W.
40.00	On W. slope of spur, 300 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S7 | S8 1919 from which An aspen, 3 ins.diam.,bears N.43°15'E., 36 lks. dist.,marked ¼ S 8 B T An aspen, 3 ins.diam.,bears S.52°W., 24 lks. dist.,marked ¼ S 7 B T
	Continue to descend.
50.70	Bottom of Argyle Canyon and Creek, 2 lks. wide, 1 in. deep, good water, 140 ft. below ¼ sec. cor., course E.; Ascend abruptly over S. slope, 480 ft.Road bears E.& W.
72.70	Intersect S. bdy. of the Uintah Indian Reservation, on top of ridge divide between Argyle Canyon and Uintah Basin, bears N.50°E. and S.50°W. Set an iron post, 3 ft. long, 2 ins. in dia., 8 ins. in the ground on solid rock and 16 ins. in a mound of stone for closing cor. of secs. 7 and 8, with brass cap marked UIR S7 | S8 T11S | R11E CC 1919 from which A pine, 16 ins.diam.,bears S.81°E., 23 lks. dist.,marked C C T 11 S R 11 E S 8 B T A pine, 15 ins.diam.,bears S.41°30'W., 130 lks.

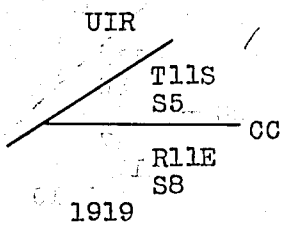
Subdivision of T.11 S., R.11 E.

chains	
	dist., marked C C T 11 S R 11 E S 7 B T
	From this closing cor., the 67th. mile cor. on the bdy., which is a pine post, 4 ins. square, extending 24 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, bears N.56°00'E., 18.00 chs. distant.
	Land, rough mountainous, general N. and S. exposure and drainage to Argyle Canyon which drains E.
	Soil, brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist, brown clay and rock.
	Timber, aspen and scattering pine.
	Undergrowth, sage, service berry and deer brush. Good grazing.

	From the cor. of secs. 4,5,8 and 9.
	N.89°53'W., on true line bet. secs. 5 and 8.
	Over rough mountainous land through dense pine and scattering aspen timber, sagebrush and service berry undergrowth. Descend abruptly over W. and SW. slopes.
9.80	Bottom of draw and stream, 1 lk. wide, 1 in. deep, good water, 200 ft. below sec. cor., course S. about 3 chs. to junction with large draw.; ascend.
10.75	Low point of spur, projects S.; leave dense pine and enter dense aspen timber, bears N. and S.
12.00	Large draw, 20 ft. below spur, drains SE.; ascend abruptly over heavily timbered E. slope.
32.40	Spur, 450 ft. above draw, projects SE.; descend abruptly.
39.55	Draw, 140 ft. below spur, drains S.; ascend.
40.00	On SE. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S5 / S8 / 1919
	from which

Subdivision of T.11 S.,R.11 E.

chains	
	An aspen, 5 ins.diam.,bears N.25°45'E., 41 lks. dist.,marked ¼ S 5 B T
	An aspen, 4 ins.diam.,bears S.27°E., 20 lks. dist.,marked ¼ S 8 B T
42.00	Leave aspen timber, bears N. and S.
47.35	Spur, 70 ft. above ¼ sec. cor., projects S.; descend.
51.25	Enter dense aspen timber, bears N. and S.
52.50	Draw, 50 ft. below spur, drains S. ; ascend.
61.35	Top of steep ascent and brink of rolling mountain top, 175 ft. above draw, bears NE. and SW.; leave aspen timber, enter dense sagebrush undergrowth, bears NE. and SW.
69.33	Intersect S. bdy. of the Uintah Indian Reservation on top of ridge divide between Argyle Canyon and Uintah Basin, bears NE. and SW.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 5 and 8, with brass cap marked



from which

An aspen, 4 ins.diam.,bears N.84°15'E., 400 lks. dist.,marked C C T 11 S R 11 E S 5 B T

A pine, 12 ins.diam.,bears S.51°30'W., 404 lks. dist.,marked C C T 11 S R 11 E S 8 B T

From this cor., the 67th. mile cor. on the bdy. heretofore described bears N.56°00'E., 507 chs. distant.

Land, rough mountainous, general S. exposure and drainage.

Soil, moist, brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, brown clay loam and rock.

Timber, aspen and pine.

Undergrowth, sage, scattering service berry and deer

chains

brush. Good grazing.

From the cor. of secs. 1,6,7 and 12 on the W. bdy. of the tp. which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set and marked and witnessed as described by the surveyor general.

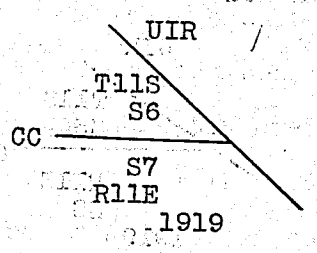
S.89°56'E., on true line bet. secs. 6 and 7

Gradually descend over rolling mountain top sloping S., through scattering pine timber and dense undergrowth of sagebrush.

11.70 Head of draw, drains S.

19.18 Intersect S. bdy. of the Uintah Indian Reservation, on top of ridge divide between Argyle Canyon and Uintah Basin, bears N.70°W. and E.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 6 and 7, with brass cap marked



from which

A pine, 8 ins.diam.,bears S.24°45'E., 440 lks. dist.,marked C C T.11 S R 11 E S 7 B T

No other trees available.

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

From this closing cor., the 68th. mile cor. on the bdy., which is a pine post, 4 ins. square, extending 24 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears S.79°45'E., 8.50 chs. distant.

Land, rolling mountainous, general S. exposure and drainage.

Soil, shallow brown loam, gravelly and rocky of limestone

formation; sub-soil, brown clay loam and rock.

Timber, scattering pine.

Undergrowth, sagebrush. Good grazing.

BOUNDARIES OF T.11 S.,R.11 E.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated	True bearings	Distances CHS.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
E.bdy.T11SR11E	North	480.00	480.00	.....	.....	.....
N.bdy. "	West	134.42	.....	.....	.....	134.42
"	S.38°15'W.	4.65	.....	3.65	.....	2.88
"	N.61°30'W.	4.00	1.91	.....	.....	3.52
"	S.77°15'W.	16.50	.....	3.64	.....	16.09
"	N.83°45'W.	23.50	2.56	.....	.....	23.36
"	N.83°45'W.	25.99	2.83	.....	.....	25.84
"	West	4.75	.....	.....	.....	4.75
"	S.60°15'W.	32.42	.....	16.09	.....	28.15
"	S.48°15'W.	40.70	.....	27.10	.....	30.36
"	N.60°45'W.	13.20	6.45	.....	.....	11.52
"	S.37°45'W.	16.20	.....	12.81	.....	9.92
"	N.78°00'W.	20.60	4.28	.....	.....	20.15
"	S.48°15'W.	23.00	.....	15.32	.....	17.16
"	N.85°15'W.	23.00	1.90	.....	.....	22.92
"	S.49°00'W.	25.30	.....	16.60	.....	19.09
"	S.80°30'W.	14.70	.....	2.43	.....	14.50
"	S.56°00'W.	25.00	.....	13.98	.....	20.73
"	N.79°45'W.	83.00	14.77	.....	.....	81.68
W.bdy.T11SR11E	South	403.41	.....	403.41	.....	.....
S.bdy.T.11SR11E	S.89°12'E.	18.59	.....	.26	18.59	.....
"	N.89°55'E.	469.75	.68	.....	469.75	.....
Convergency			.....	.....	.....	.59
	Totals =		515.38	515.29	488.34	487.63

515.29

Error in latitude ---------- .09

487.63

Error in departure .71

General Description.

This township is rough and mountainous and is situated on the general south slope of a high spur of the Wasatch Range of mountains dividing the Uintah and Green River basins. The summit of this range follows along the north boundary of this township for the west four miles, then turns NE. Argyle, Minnie Maude and Willow Creek Canyons head in the northwestern part of the township and drain in easterly, southeasterly and southerly directions, Willow Creek, however, only touches the western portion of the township. Pole Canyon heads in secs. 19 and 20 and drains in a southerly direction. Dividing these canyons are high, heavily timbered ridges whose heights are about the same as the main summit. Argyle Ridge bears in an easterly and westerly direction while the others have a more northerly and southerly trend.

The soil, with the exception of portions of secs. 1,2,3 and 4 which is of blue limestone shale rock formation, is a brown mountain loam, mixed with gravel and rock of sandstone and limestone formation and lies on a sub-soil of moist clay which is packed hard on account of the great amount of rainfall to which the country is subject. This sub-soil also contains considerable gravel and rock. In general the soil supports an abundant growth of rich grasses which is excellent feed for sheep and cattle.

With the exception of secs. 19, 29.30,31 and 32, the township is covered with dense forests of aspen and large red pine timber. The pine timber is found in large quantities along the N. and S. slopes of Argyle Ridge in secs. 12,13,14,15,16, 17, 20, 21, 22, 23 and 24. Considerable sage, service berry, buck and deer brush undergrowth grows with the timber in the township.

Argyle, Minnie Maude, Willow and Pole Creeks head in the township and are fed by springs of pure water.

General Description T.11 S., R.11 E.

These streams with their tributaries furnish a good supply of water which is used in farming districts to the east for irrigation. The surplus flows into Green river.

North of Argyle Canyon in secs. 1,2,3, and 4 the limestone shale rock and clay bear indications of oil. We do not find any other indications of mineral in the township.

There are no settlers in the township.

A.Z.Thompson has built a cabin (unoccupied) in sec. 36 and has also had under cultivation about 3 acres of land in Minnie Maude Canyon in secs. 35 and 36.

This township is good for grazing of sheep and cattle and affords an excellent summer range.

The general average magnetic decl. for the tp.is 16°15'E.

Howard W. Miller
U.S.Cadastral Engineer

Walter Gregg
U. S. Transitman.

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Page

WATER LOCATIONS T.11 S.,R.11 E.

Sec.1 ; S½ of NE¼; N½ of SE¼; E½ of NW¼ ; W½ of SW¼

Sec.2;SE¼ of NE¼; N½ of SE¼; N½ of SW¼

Sec.3; S½

Sec.4: SE¼ of SE¼

Sec.7 : NE¼ ; SW¼

Sec.8 : N½ ; SE¼

Sec.9; N½ of NE¼ ; N½ of NW¼

Sec.11; SE¼ of SE¼

Sec.12; SE¼; W½ of SW¼; W½ of NW¼

Sec.13; E½ of SE¼; NW¼ of NE¼

Sec.14; SE¼ of SE¼; NE¼ of NE¼; W½ of SW¼

Sec.15; SW¼ of SE¼; W½ of SW¼; SE¼ of SW¼

Sec.16; S½ of SW¼ ; NW¼ of SW¼

Sec.18; SE¼ ; W½ of NW¼

Sec.19; NE¼ of NE¼; S½ of NE¼; NW¼ of NE¼; E½ of NW¼

Sec.21; W½

Sec.22; E½ ; NW¼

Sec.23; E½ of NE¼; SE¼ ; S½ of SW¼

Sec.24; W½ of NW¼; SE¼ of SE¼

Sec.25; SW¼ of SW¼

Sec.26; SW¼ of SW¼

Sec.27; S½ ; NE¼

Sec.28; W½ of NE¼; N½ of SE¼ ; E½ of NW¼

Sec.30; SW¼ of SW¼

Sec.32; W½ of SW¼

Sec.33 NW¼ of NW¼

Sec.34; NW¼ of NE¼

Sec.35; N½ of NW¼; NE¼; N½ of SE¼

Sec.36; S½

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4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Calvin Mace	1st. chainman
Earlston Oneal	1st. chainman
Charles Dorius	1st. chainman
Aaron Overholt	2nd. chainman
Edward Hoppes	2nd. chainman
John Edwards	2nd. chainman
Dewey Ackerman	2nd. chainman
Hugh Halyerson	2nd. chainman
Fay Fredericksen	flagman
Farrel Rasmussen	flagman
Max Ungerman	cornerman
Andrew F. Hintze	cornerman

6—2764

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CERTIFICATE OF UNITED STATES ~~SURVEYOR~~.

CADASTRAL ENGINEER AND TRANSITMAN.

WE, Walter Byergo, U. S. Transitman
~~Xx~~ Howard W. Miller ~~U.S. Surveyor~~ U.S.Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 3rd. day of May, 1918, we have well, faithfully, and truly in our own proper persons 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 East boundary and subdivision of T.11 S.,R.11 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes and date diagram on page 1 as having been executed by us, and under our direction; on dates shown on dia and 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 Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. Certified to at Salt Lake City, Utah January 10,1920

Howard W. Miller
U.S.Cadastral Engineer ~~U.S. Surveyor~~.

Certified to at Ephraim,Utah, January 10,1920

Walter Byergo
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 29, 1920.

The foregoing field notes of the survey of the east boundary and subdivisional lines of Township No. 11 South, Range No. 11 East of the Salt Lake Base and Meridian, Utah,

executed by Howard W. Miller and Walter Byergo

under ~~his~~ special instructions dated May 3, 1918, ~~191~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

C. C. Thoreson
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—2764

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F.

U. S. Surveyor General's Office
FEB 17 1920
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE SURVEY OF THE

2ND. STANDARD PARALLEL SOUTH THROUGH

RANGE 11 EAST AND SURVEY OF EAST BDY. AND

SUBDIVISION OF T.10 S., R.11 E.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

HOWARD W. MILLER, U.S. CADASTRAL ENGINEER

~~[illegible]~~, *under instructions dated* May 3, *191*8,

issued by the United States Surveyor General to govern surveys included in

Group No. 71, *which were approved by the Commissioner of the General Land*

Office, May 28, *1918*

ASSIGNMENT INSTRUCTIONS DATED June 13, 1919

Survey commenced July 10, *1919*

Survey completed July 15, *1919*

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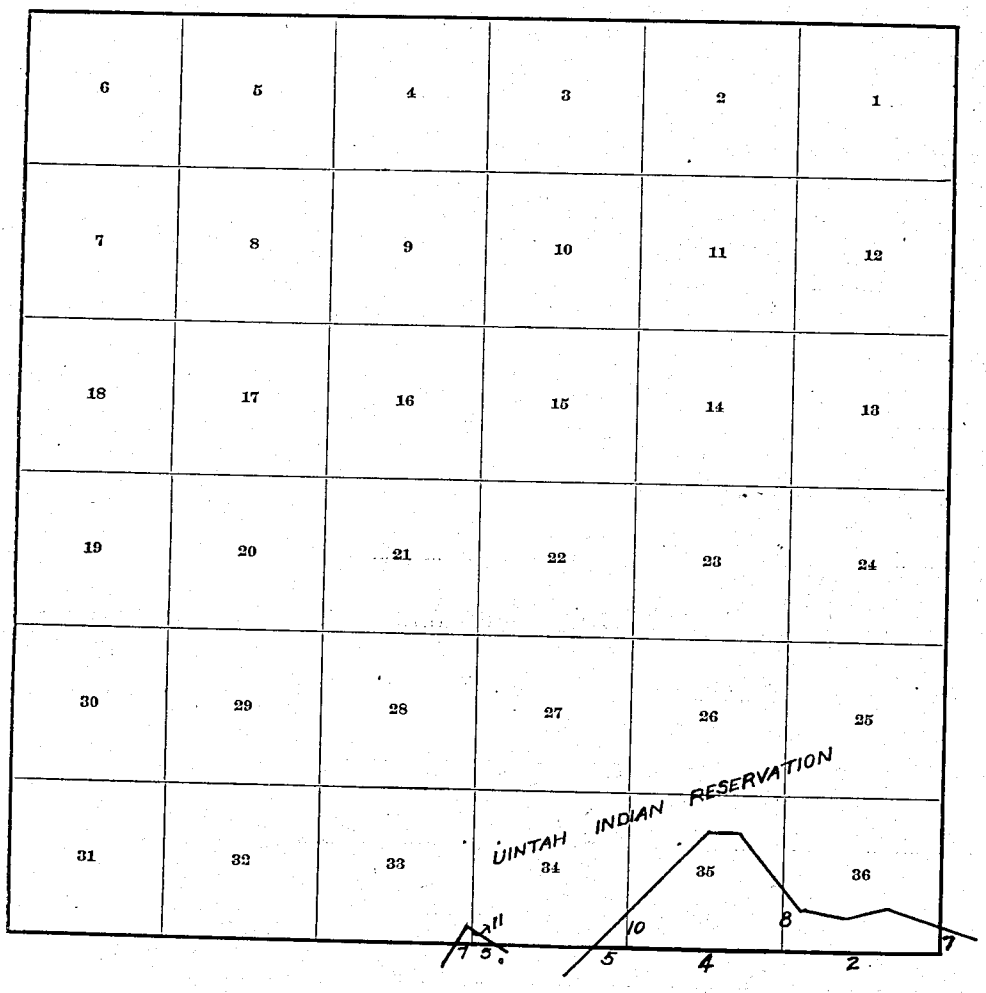
INDEX DIAGRAM.

Township 10 South, Range 11 East



180A

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INDEX DIAGRAM.

Township 10 S, *Range* 11 E

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

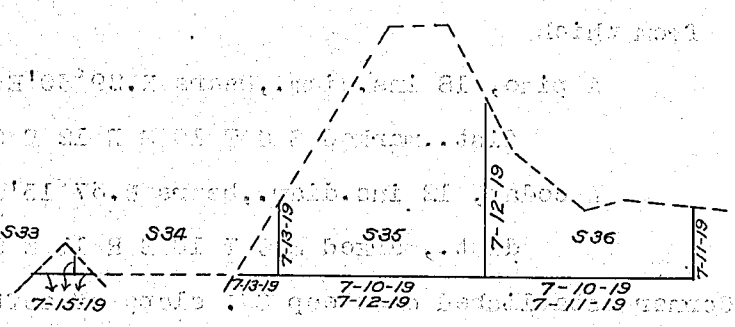
181 185 190 184 188 182 187

187 185

6—4817

T. 10 S., R.11 E.

DATE DIAGRAM



All lines were surveyed by Howard W. Miller, U. S. Cadastral Engineer.

Survey commenced July 10,1919 and executed with Buff and Buff transit No. 8964, equipt with Smith solar attachment and full vertical circle. For description and approval of instrument see survey of T.11 S., R. 11 E. of this group. This fractional township was surveyed in conjunction with T.11 S.,R.11 E.; for test of instrument and preliminary data at commencement of survey,see survey of T.11 S.,R.11 E.

2ND. STANDARD PARALLEL SOUTH, RANGE 11 EAST.

CHAINS

I begin at the closing cor. of T.11 S., Rs. 11 and 12 E. heretofore described; approximate latitude 39° 54' N., longitude 110° 40'W.

Thence

East, on a blank line

33.00 Set a hard sandstone, 20 x 8 x 8 ins., 15 ins. in the ground for Standard Corner of T.10 S., Rs. 11 and 12 E. marked SC on N.; with 6 grooves on N., E. and W. faces; from which

A pine, 18 ins.diam.,bears N.29°30'E., 34 lks. dist.,marked S C T 10 S R 12 E S 31 B T

A cedar, 12 ins.diam.,bears N.37°15'W., 212 lks. dist.,marked S C T 10 S R 11 E S 36 B T

Corner established on steep SW. slope of soft shale ledges where it is impracticable to set an iron post and have it remain.

Thence

West, along S. bdy. of sec. 36.

Over rough mountainous land exposed to the south, through pine, cedar and pinon timber and scattering undergrowth of buck, service berry and deer brush. Descend abruptly SW. slope, limestone ledges and shale rock.

2.25 Draw, near head, 125 ft. below cor., drains S.16°E., ascend abruptly.

8.60 Spur, 125 ft. above draw, projects S.20°W.; descend abruptly W. slope.

18.75 Draw, 350 ft. below spur, drains S.15°W.; ascend SE.slope.

23.70 Spur, 115 ft. above draw, projects S.; descend abruptly SW. slope.

28.65 Draw, 85 ft. below spur, drains S.15°E.; ascend abruptly E. slope.

33.00 The closing cor. of T.11 S.,Rs. 11 and 12 E. heretofore described.

40.00 Top of spur, 310 ft. above draw, projects S.20°E.

Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone

2ND. STANDARD PARALLEL SOUTH, RANGE 11 EAST.

CHAINS	
	for standard ¼ sec. cor., with brass cap marked SC ¼ S36 1919
	from which
	A pine, 6 ins. diam., bears N.48°15'E., 65 lks. dist., marked S C ¼ S 36 B T
	A pine, 15 ins. diam., bears N.5°15'W., 54 lks. dist., marked S C ¼ S 36 B T
	Descend abruptly over SW. slope.
46.60	Draw, 145 ft. below spur, drains S.15°W.; ascend abruptly.
48.20	Point of spur, projects S.; descend.
50.40	Draw, 55 ft. below spur, drains S.10°E.; ascend abruptly E. slope.
53.30	Spur, projects S.; descend abruptly.
60.25	Draw, 230 ft. below spur, drains S.; ascend over low point.
66.70	Draw, drains S.30°E.; ascend abruptly.
70.90	High spur, 160 ft. above draw, projects S.10°E.; descend.
76.10	Draw, near head, 135 ft. below spur, drains S.; thence along S. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for standard cor. of secs. 35 and 36, with brass cap marked SC T11S | R11E S35 | S36 1919
	from which
	A pinon, 8 ins. diam., bears N.56°45'E., 37 lks. dist., marked S C T 10 S R 11 E S 36 B T
	A pinon, 15 ins. diam., bears N.31°15'W., 160 lks. dist., marked S C T 10 S R 11 E S 35 B T
	Land, high, rough mountainous, general S. exposure and drainage.
	Soil, brown and blue clay, limestone and sandstone shale rock; sub-soil, clay and rock.
	Timber, pine, pinon and cedar.

2ND. STANDARD PARALLEL SOUTH, RANGE 11 EAST.

CHAINS	
	Undergrowth, sage, service berry, deer and buck brush. Fair grazing.
	West, along S. bdy. of sec. 35.
	Over rough mountainous land through scattering pine, pinon and cedar timber, service berry, buck and sagebrush undergrowth. Along S. slope.
1.70	Spur, 15 ft. above cor., projects SW.; descend abruptly W. slope.
14.85	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 365 ft. below spur, course S.; ascend abruptly E. slope through dense pine and aspen timber.
26.15	Leave dense timber, bears NE. and SW.
28.00	Leave timber and enter dense sage and scattering service berry undergrowth, bears NE. and SW.
40.00	On E. slope, 575 ft. above canyon. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for standard ¼ sec. cor. with brass cap marked SC ¼ S 35 1919 from which A pinon, 10 ins.diam.,bears N.27°30'W., 346 lks. dist.,marked S C ¼ S 35 B T No other trees are available and it is impracticable to raise a mound of stone or build other accessories to cor.
42.75	Spur, 40 ft. above cor., projects S.30°E.; descend SW. slope.
49.35	Draw, 160 ft. below spur, drains S. about 7 chs. thence SE.; ascend.
53.00	Spur, 80 ft. above draw, projects S.10°E.; descend.
57.75	Draw, 40 ft. below spur, drains S.30°E.; ascend.
62.15	Spur, 120 ft. above draw, projects S.30°E.; descend.
68.60	Draw, 160 ft. below spur, drains S.30°E.; ascend.

2ND. STANDARD PARALLEL SOUTH, RANGE 11 EAST.

CHAINS	
80.00	On S. slope, 315 ft. above draw.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for standard cor. of secs. 34 and 35, with brass cap marked
	SC T10S | R11E S34 | S35 1919
	from which
	A pine, 6 ins. diam., bears N.37°E., 75 lks. dist., marked S C T 10 S R 11 E S 35 B T
	A pinon, 6 ins. diam., bears N.83°15'W., 287 lks. dist., marked S C T 10 S R 11 E S 34 B T
	Land, rough mountainous, general S. exposure and drainage. Soil, brown clay loam, gravelly, rocky and loose shale rock; sub-soil, clay and rock. Limestone and sandstone formation.
	Timber, pine, pinon, cedar and scattering aspen.
	Undergrowth, sage, service berry and buck brush. Fair grazing.
	West, along S. bdy. of sec. 34.
	Over rough mountainous land through scattering pine timber, sagebrush and grass undergrowth. Ascend SE. slope.
5.25	Top of ridge divide between Uintah Basin and Argyle Canyon, 100 ft. above cor., bears NE. and SW.; gradually descend.
7.42	Intersect S. bdy. Uintah Indian Reservation.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 2 and 34, Tps. 10 and 11 S., R.11 E., with brass cap marked
	UIR / T10SR11E S34 CC S2 T11SR11E 1919
	from which

2ND. STANDARD PARALLEL SOUTH, RANGE 11 EAST.

CHAINS

A pine, 6 ins.diam.,bears N.57°30'E., 78 lks. dist.,marked C C T 10 S R 11 E S 34 B T

A pine, 10 ins.diam.,bears S.32°30'E., 135 lks. dist.,marked C C T 11 S R 11 E S 2 B T

From this closing cor., the ½ mile cor. bet. the 63rd. and 64th. mile cors. on the bdy., which is a sandstone, 20 x 14 x 8 ins., marked and witnessed as described by the surveyor general bears as follows:

S.38°15'W., 4.65 chs. to angle cor., thence

N.61°30'W., 4.00 chs. to ½ mile cor.

Thence across Uintah Indian Reservation on a blank line with continuous measurement.

79.11 Intersect S. bdy. of the Uintah Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 3 and 34, Tps. 10 and 11 S.,R.11 E., with brass cap marked

UIR

T10SR11E
S34

CC

S3
T11SR11E

1919

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

From this closing cor., the 64th. mile cor. on the bdy. heretofore described, bears S.83°45'E., 25.99 chs. distant.

Continue west with continuous measurement.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for standard cor. of secs. 33 and 34, with brass cap marked

SC

T10S S33 | R11E S34

1919

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

Land, mountainous, S. exposure and drainage.

EAST BOUNDARY OF T.10 S., R.11 E.

CHAINS

Soil, brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, clay and rock.

Timber, a few scattering pine.

Undergrowth, sagebrush. Good grazing.

West, along S. bdy. of sec. 33.

Over high, rough mountains, through undergrowth of sagebrush.

3.86 Intersect S. bdy. of the Uintah Indian Reservation.

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for closing cor. of Tps. 10 and 11 S., R.11 E., with brass cap marked

UIR / T10SR11E S33 — CC / S3 T11SR11E

1919

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

From this closing cor., the 64th. mile cor. on the bdy. heretofore described, bears as follows:

N.60°15'E., 1.88 chs. to angle cor., thence

S.83°45'E., 30.00 chs. to 64th. mile cor.

Land, mountainous, slopes and drains S.

Soil, brown loam, gravel and rock, limestone and sandstone formation; sub-soil, clay and rock.

Timber, none.

Undergrowth, sage and service berry brush. Good grazing.

EAST BOUNDARY OF T.10 S., R.11 E.

From the standard cor. of T.10 S., Rs. 11 and 12 E., heretofore described.

North, bet. secs. 31 and 36.

Over rough mountainous land through scattering pine pinon and cedar timber. Ascend abruptly S. and SW. slopes, loose shale rock and small limestone ledges,

small angle

SUBDIVISION OF T. 10 S., R. 11 E.

CHAINS

6.51 Top of ridge divide between Uintah Basin and Argyle Canyon, 220 ft. above tp. cor., bears N.70°W. and S.70°E.

Intersect S. bdy. of the Uintah Indian Reservation.

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for closing cor. of Tp. 10 S., Rs. 11 and 12 E., with brass cap marked

UIR

S36	S31
R11E	R12E

T10S

CC

1919

from which

A pine, 9 ins.diam.,bears S.24°45'E., 91 lks. dist.,marked C C T 10 S R 12 E S 31 B T

A pine, 6 ins.diam.,bears S.79°15'W., 64 lks. dist.,marked C C T 10 S R 11 E S 36 B T

From this closing cor., the ½ mile cor. bet. the 60th. and 61st. mile cors. on the bdy.,which is a sandstone 18 x 12 x 8 ins., marked and witnesseda as described by the surveyor general, bears N.71°30'W., 6.76 chs. distant.

Land, mountainous, slopes and drains S.

Soil, limestone shale rock and brown clay; sub-soil, clay and rock.

Timber, pine, pinon and cedar.

Undergrowth, scattering sage. Poor grazing.

SUBDIVISION OF T.10 S.,R.11 E.

From the standard cor. of secs. 35 and 36 on the S. bdy. of the tp., heretofore described.

N.0°01'W., bet. secs. 35 and 36.

Over rough mountainous land through scattering pine, pinon and cedar timber, service berry, buck and sage-brush undergrowth. Ascend over S. slope.

SUBDIVISION OF T.10 S., R.11 E.

CHAINS	
3.00	Spur, 70 ft. above cor., projects S.30°W.; enter dense pine and young aspen timber, bears NE. and SW. Descend NW. slope.
10.70	Draw, 80 ft. below spur, drains S.15°W.; leave dense timber, bears NE. and SW. Ascend abruptly.
17.50	Spur, 145 ft. above draw, projects S.30°W.; enter dense pine timber, bears E. and W. Descend NW. slope.
23.25	Draw, 125 ft. below spur, drains SW.; leave dense timber, bears E. and W. Ascend abruptly SE. slope.
24.30	Small spur, 30 ft. above draw, projects SW.; ascend along general W. slope.
28.75	Draw, 70 ft. above spur, drains S.75°W.; ascend abruptly S. slope.
40.00	On steep S. slope, 470 ft. above draw. Set a sandstone, 15 x 8 x 4 ins., 10 ins. in the ground for ¼ sec. cor., marked ¼ on W. face;
	from which
	A pine, 16 ins. diam., bears N.83°45'E., 9 lks. dist., marked ¼ S 36 B T
	A pine, 6 ins. diam., bears N.68°W., 190 lks. dist., marked ¼ S 35 B T
	No iron post is available.
	Continue steep ascent 45 ft. to
41.32	On steep S. slope, about 10 chs. S. of top of ridge divide between Uintah Basin and Argyle Canyon.
	Intersect S. bdy. of the Uintah Indian Reservation.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 35 and 36, with brass cap marked

UIR

S35 | S36
T10S | R11E
CC
1919

from which

A pinon, 14 ins. diam., bears S.5°15'E., 180 lks.

SUBDIVISION OF T.10 S.,R.11 E.

CHAINS

dist.,marked C C T 10 S R 11 E S 36 B T.

A pinon, 9 ins.diam.,bears S.84°30'W., 118 lks.

dist.,marked C C T 10 S R 11 E S 35 B T

From this closing cor., the 62nd. mile cor. on the bdy. which is a sandstone, 20 x 14 x 8 ins., marked and witnessed as described by the surveyor general bears N.32°15'W., 29.59 chs. distant.

Land, rough mountainous; general S. exposure and drainage.

Soil, brown and blue clays, loose shale rock and rock; sub-soil, clay and rock. Limestone and sandstone formation.

Timber, pine, pinon, cedar and scattering aspen.

Undergrowth, service berry, buck and sagebrush. Poor grazing.

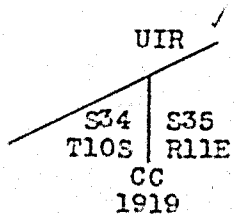
From the standard cor. of secs. 34 and 35 on the S. bdy. of the tp. heretofore described.

N.0°01'W., on true line bet. secs. 34 and 35.

Over rough mountainous land through scattering pine timber and undergrowth of service berry and sagebrush. Ascend abruptly over S. slope.

6.00 Top of ridge divide between Uintah Basin and Argyle Canyon, 175 ft. above sec. cor., bears NE. and SW. Thence across top of ridge sloping SW.

9.41 Intersect S. bdy. of the Uintah Indian Reservation. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 34 and 35 with brass cap marked



from which

A pine, 8 ins. diam.,bears S.55°30'E., 73 lks.

dist.,marked C C T.10 S R 11 E S 35 B T

SUBDIVISION OF T.10 S., R.11 E.

CHAINS

A pine, 5 ins.diam.,bears S.11°30'W., 57 lks. dist.,marked C C T 10 S R 11 E S 34 B T

From this closing cor., the ½ mile cor., bet. the 63rd. and 64th. mile cors. on the bdy. heretofore described bears as follows:

S.38°15'W., 16.63 chs. to angle cor., thence

N.61°30'W., 4.00 chs. to ½ mile cor.

Land, mountainous, slopes and drains S.

Soil, shallow brown clay loam, mixed with gravel and rock; sub-soil, moist clay and rock. Limestone and sandstone formation.

Timber, pine.

Undergrowth, service berry and sagebrush. Good grazing.

From the standard cor. of secs. 33 and 34 on the S. bdy. of the tp. heretofore described.

North, bet. secs. 33 and 34.

.10 Intersect S. bdy. of the Uintah Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 33 and 34, with brass cap marked

UIR

S33 | S34
T10S | R11E
CC
1919

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

From this closing cor., the 64th. mile cor. on the bdy. heretofore described bears S.83°45'E., 26.87½ chs. distant.

Land, mountainous, slopes S.

Soil, brown loam, streaked with rock.

No timber.

Undergrowth, sage and service berry brush.

BOUNDARIES OF T.10 S.,R.11 E.

CHAINS

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated	True bearings	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
S bdy.T10SR11E	East	167.42	.....	.....	167.42	.....
E bdy. "	North	6.51	6.51	.....	.....	.....
U.I.R. bdy.	N.71°30'W	26.76	8.49	.....	.....	25.38
"	S.70°30'W	20.00	.....	6.68	.....	18.85
"	N.64°45'W	23.70	10.11	.....	.....	21.44
"	N.32°15'W	66.50	56.24	.....	.....	35.49
"	S.73°W.	10.50	.....	3.07	.....	10.04
"	S.37°45'W	59.50	.....	47.05	.....	36.43
"	S.38°15'W	31.35	.....	24.62	.....	19.41
Convergency			.....	.....	.....	.02
			81.35	81.42	167.42	167.06
				81.35		
Error in latitude				.07	167.06	
Error in departure					.36	

Secs. 33 and 34

		chs.	chs.	chs.	chs.	chs.
U.I.R.Bdy	N.83°45'W	4.01	.44	.....	.....	3.99
"	S.60°15'W	.88		.44	.....	.76
S.bdy.	East	4.75	.....	.....	4.75	.....
			.44	.44	4.75	4.75

Error in latitude = .00
Error in departure = .00

GENERAL DESCRIPTION

This fractional township is situated near the summit of a high range of mountains dividing the Uintah and Green River basins. It has a general south exposure and drainage.

The soil is a shallow brown and blue clay mixed with loose shale rock of limestone and sandstone formation. In many places solid rock is exposed. The sub-soil, is generally rocky of limestone formation.

Scattering pine, pinon, cedar and aspen timber grows on the entire township, also a scattering growth of

GENERAL DESCRIPTION

sage, service berry and buck brush undergrowth.

A small stream of good water in sec. 35 is the only water in the township. This stream apparently flows the entire year.

There are no settlers in the township.

The limestone shale rock bears indications of containing oil. Numerous prospects for oil have been made in this vicinity.

The mean magnetic declination in the township is 15°45'E.

Howard W. Miller

U. S. Cadastral Engineer

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
Calvin Mace	1st. chainman
Campbell W. Adams	2nd. chainman
Farrel Rasmussen	Flagman

C—2764

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~.
CADASTRAL ENGINEER.

I, Howard W. Miller, Cadastral Engineer, U. S. ~~Surveyor~~, hereby certify upon honor that, in pursuan of special instructions received from the U. S. Surveyor General for Utah bearing date of the 3rd. day of May, 1918, I have well, faithfully, and tru in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instru tions, and the laws of the United States, surveyed all those parts or portions of 2nd. Standard Par allel South, Range 11 East and survey of the subdivision and east boundary of T.10 S.,R.11 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented i the foregoing field notes and date diagram as having been executed by me, and under my direction and on dates shown on said diagram and that all the corners said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru tions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes such survey.

Certified to at Salt Lake City, Utah February 16,1920

Howard W Miller
U.S.Cadastral Engineer ~~XXXXXXXXX~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 29, 1920

The foregoing field notes of the survey of the Second Standard Parallel South through Range No. 11 East and the east boundary and subdivisional lines of Township No. 10 South, Range No. 11 East of the Salt Lake Bas and Meridian, Utah

executed by Howard W. Miller

under his special instructions dated May 3, ~~191~~ 8, having been critically examined, and the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved.

L. A. 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
FEB 1920
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE XXXXXXXXXXXX

RETRACEMENT OF THE UINTAH INDIAN RESERVATION BOUNDARY SURVEY OF THE 2ND. STANDARD PARALLEL SOUTH THROUGH RANGE 12 EAST AND SURVEY OF THE SUBDIVISION OF T.10 S.,R.12 E.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

HOWARD W. MILLER, U.S. CADASTRAL ENGINEER

XXXXXXXXXXXXXXXXXXXXXX, *under instructions dated* MAY 3, 1918, *issued by the United States Surveyor General to govern surveys included in Group No.* 71, *which were approved by the Commissioner of the General Land Office,* MAY 28, 1918.

ASSIGNMENT INSTRUCTIONS DATED JUNE 13, 1919

Survey commenced JULY 11, 1919

Survey completed AUGUST 18, 1919

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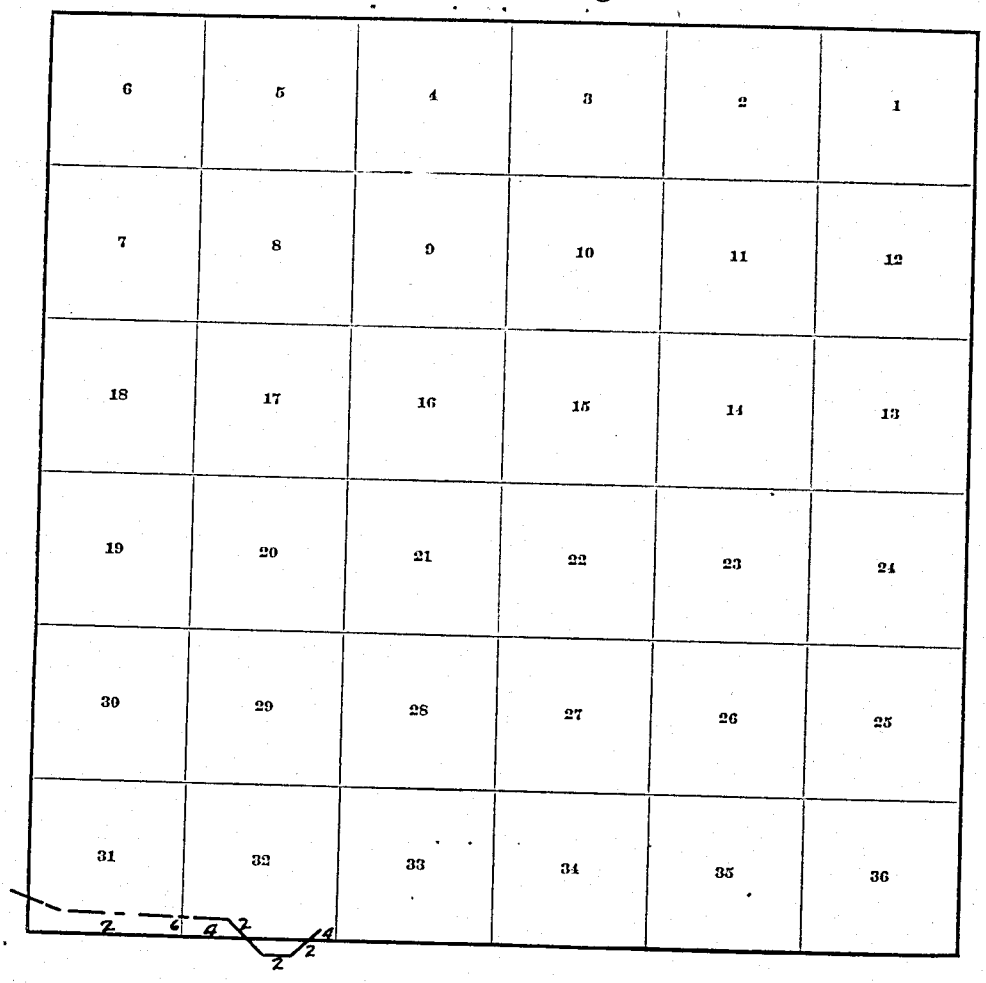
INDEX DIAGRAM.

Township 10 South, Range 12 East



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INDEX DIAGRAM.

Township 10 S, Range 12 E

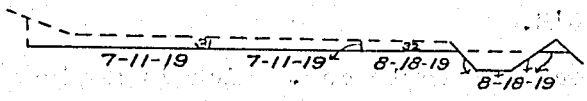
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

202 306
204 404

6—4817

T. 10 S., R.12 E.

DATE DIAGRAM



All lines in this fractional township were surveyed by Howard W. Miller, U. S. Cadastral Engineer.

Survey commenced July 11,1919 and executed with Buff and Buff transit No. 8964, equipt with Smith solar attachment and full verticle circle. For complete description and approval of instrument see survey of T.11 S.,R.11 E. This fractional township was surveyed in conjunction with the survey of T. 11 S., Rs. 11 and 12 E. and for all tests of instrument and preliminary data for commencement of this survey see survey of T.11 S., Rs.11 and 12 E.

RETRACEMENT OF THE UINTAH INDIAN RESERVATION BOUNDARY.

CHAINS	
	I begin at the angle cor. between the 59th. and 60th. mile cors. on the bdy. and which is 19.90 chs. S.89°15'E. from the ½ mile cor. bet. above mile cors. which is a sandstone, 4 x 5 x 8 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Thence
	S.41°45'E., on retracement line.
9.10	Intersect the angle cor. which is a sandstone, 3 x 9 x 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	Thence
	N.86°00'E.
6.98	Intersect the angle cor. which is a pine post, 4 ins. square, 24 ins. above ground, loosely set, and marked and witnessed as described by the surveyor general.
	Thence
	N.62°15'E.
3.97	Intersect the 59th. mile cor. which is a pine tree, 8 ins. diam., marked and witnessed as described by the surveyor general.
	From the 59th. mile cor.
	N.62°15'E., on retracement line on 59 th. mile.
6.75	Intersect the angle cor. which is a sandstone, 3 x 8 x 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	2ND. STANDARD PARALLEL SOUTH, THROUGH RANGE 12 EAST
	I begin at the standard cor. of T.10 S., Rs. 11 and 12 E. heretofore described.
	Thence
	East, on true line along S. bdy. of sec. 31.

END. STANDARD PARALLEL SOUTH, THROUGH RANGE 12 EAST.

CHAINS	
	Over rough mountainous land through scattering pine, pinon and cedar timber, undergrowth service berry brush. Ascend abruptly W. slope over loose shale rock.
1.00	Spur, 25 ft. above cor., projects S.; descend abruptly.
3.60	Draw, 30 ft. below spur, drains S.20°W.; ascend abruptly.
12.85	Spur, 90 ft. above draw, projects S.; thence along S. slope.
15.35	Draw, drains S.; ascend abruptly W. slope.
25.00	High spur, near junction with high ridge divide to the N., 210 ft. above draw, projects S.; descend along S. and SE. slopes, 300 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for standard ¼ sec. cor., with brass cap marked SC ¼ S31 1910 from which A pine, 9 ins.diam., bears N.17°15'E., 115 lks. dist., marked S C ¼ S 31 B T A pinon, 12 ins.diam., bears N.55°W., 64 lks. dist., marked S C ¼ S 31 B T
43.35	Head of draw, 40 ft. below cor., drains S.10°E.; ascend.
53.50	Top of ridge and divide between Uintah Basin and Argyle Canyon, bears N.60°W. and S.60°E.
56.00	Head of draw draining E., bears N. about 3 chs. distant.
64.60	Same ridge and divide, bears N.75°E. and S.75°W.; descend abruptly.
71.20	Head of draw, 105 ft. below divide, drains S.; ascend.
75.90	Spur, 35 ft. above draw, projects S.; descend.
78.40	Draw, 85 ft. below spur, drains S.; ascend 15 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for standard cor. of secs. 31 and 32, with brass cap marked

2ND. STANDARD PARALLEL SOUTH, THROUGH RANGE 12 EAST.

CHAINS

SC
T10S | R12E
S31 | S32

1919

from which

A pinon, 5 ins.diam., bears N.49°30'E., 55 lks. dist., marked S C T 10 S R 12 E S 32 B T

A pinon, 8 ins.diam., bears N.20°45'W., 121 lks. dist., marked S C T 10 S R 12 E S 31 B T

Land, high, rough, broken mountains; general south exposure and drainage.

Soil, brown and blue clay, mixed with rock and limestone shale ; sub-soil, clay and rock.

Timber, scattering pine, pinon and cedar.

Undergrowth, service berry and sagebrush. Poor grazing.

East, along S. bdy. of sec. 32.

Over rough mountainous land through scattering pine, pinon and cedar timber, undergrowth, sage and service berry brush. Ascend abruptly S. and SW. slopes.

4.15 Spur, 75 ft. above cor., projects S.15°W.; thence along rough, broken S. slope.

7.75 Draw, drains S.20°W.; ascend abruptly SW. slope.

14.45 Top of ridge divide between Uintah Basin and Argyle Canyon, 115 ft. above draw.

Intersect S. bdy. of the Uintah Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock and 12 ins. in a mound of stone for closing cor. of secs. 5 and 32, Tps. 10 and 11 S., R.12 E., with brass cap marked

UIR
T10SR12E
S32
CC
S5
T11SR12E
1919

from which

A pine, 10 ins.diam., bears S.31°30'E., 235 lks. dist., marked C C T 11 S R 12 E S 5 B T

2ND. STANDARD PARALLEL SOUTH, THROUGH RANGE 12 EAST

CHAINS

A pine, 4 ins.diam., bears N.57°30'W., 258 lks. dist., marked C C T 10 S R 12 E S 32 B T

From this closing cor., the 59th. mile cor. on the bdy. heretofore described bears as follows:

S.41°45'E., 6.26 chs.

N.86°E., 6.98 chs.

N.62°15'E., 3.97 chs. to the 59th. mile cor.

Thence across Uintah Indian Reservation, with continuous measurement

33.41 Intersect Uintah Indian Reservation bdy.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 5 and 32, Tps. 10 and 11 S., R.12 E., with brass cap marked

UIR / T10SR12E S32 — CC — S5 T11SR12E

1919

from which

A pine, 8 ins.diam., bears N.66°E., 101 lks. dist., marked C C T 10 S R 12 E S 32 B T

A pine, 24 ins.diam., bears S.3°45'E., 26 lks. dist., marked C C T 11 S R 12 E S 5 B T

From this closing cor. the 59th. mile cor. on the bdy. heretofore described bears S.62°15'W., 4.88 chs. distant.

From closing cor. continue east with continuous measurement.

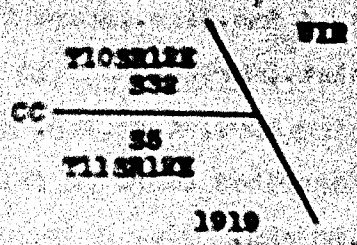
34.25 Top of ridge divide between Uintah Basin and Argyle Canyon, bears NE. and SW.; descend along steep rocky S. slope.

36.63 Intersect S. bdy. of the Uintah Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock and 6 ins. in a mound of stone for closing cor. of secs. 5 and 32, Tps. 10 and 11 S., R. 12 E., with brass cap marked

SUBDIVISION OF T.10 S.,R.12 E.

CHAINS



from which

A pine, 18 ins.diam.,bears S.32°45'E., 120 lks. dist.,marked C C T 11 S R 12 E S 5 B T

A pinon, 6 ins.diam.,bears N.82°45'W., 129 lks. dist.,marked C C T 10 S R 12 E S 32 B T

From this closing cor. the 59th. mile cor. on the bdy. heretofore described, bears as follows:

N.61°15'W., 1.79 chs. to angle cor., thence

S.62°15'W., 6.75 chs. to 59th. mile cor.

Land, high, rough, broken mountains; general S. exposure and drainage.

Soil, brown and blue clay, limestone and sandstone shale rock; sub-soil, clay and rock.

Timber, scattering pine, pinon and cedar.

Undergrowth, sage and service berry brush. Poor grazing.

SUBDIVISION OF T.10 S.,R.12 E.

From the standard cor. of secs. 31 and 32 on the S. bdy. of the tp. heretofore described

North, on true line bet. secs. 31 and 32.

Over rough mountainous land through pine, pinon and cedar timber and undergrowth of sagebrush. Ascend abruptly SW. slope 75 ft. to

2.32 Intersect S. bdy. of the Uintah Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground on solid rock and 10 ins. in a mound of stone for closing cor. of secs. 31 and 32, with brass cap marked

SUBDIVISION OF T.10 S.,R.12 E.

CHAINS

UIR

T10S	R12E
S31	S32

CC
1919

from which

A pinon, 8 ins.diam.,bears S.58°E., 33 lks. dist.,marked C C T 10 S R 12 E S 32 B T

A pine, 16 ins.diam.,bears S.8°45'W., 86 lks. dist.,marked C C T 10 S R 12 E S 31 B T

From this closing cor., the ½ mile cor. bet. the 59th. and 60th. mile cors. on the bdy., which is a sandstone, 15 x 10 x 3 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general bears N.89°15'W., 7.40 chs. distant.

Land, mountainous; S. exposure and drainage.

Soil, brown and blue clay and limestone shale rock; sub-soil, rocky.

Timber, scattering pine, pinon and cedar.

Undergrowth, sage and service berry brush. Poor grazing.

BOUNDARIES OF T.10 S.,R.12 E.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated	True bearings	Distances	Latitudes N	Latitudes S	Departures E	Departures W
		chs.	chs.	chs.	chs.	chs.
S bdy T10SR12E	East	94.45	.....	.....	94.45	.....
U.I.R.bdy.	N.41°45'W.	2.84	2.12	.....	.....	1.89
"	N.89°15'W.	82.90	1.09	.....	.....	82.89
"	N.71°30'W.	10.24	3.25	.....	.....	9.71
W bdy T10SR12E	South	6.51		6.51		
	Totals		6.46	6.51	94.45	94.49
				6.46		
	Error in latitude----------			.05		94.45
	Error in departure					.04
		chs.	chs.	chs.	chs.	chs.
S bdy T10SR12E	East	3.22	.....	.....	3.22	.....
U.I.R.Bdy	N.61°15'W.	1.79	.86	.....	.....	1.57
"	S.62°15'W.	1.87	.....	.87	.....	1.65
	Totals		.86	.87	3.22	3.22
				.86		
	Error in latitude			.01		
	Error in departure				.00	

GENERAL DESCRIPTION

This fractional township is situated on the south brink of the summit of a high range of mountains dividing the Uintah and Green River basins and has a general S. exposure and drainage.

The soil is chiefly rocky of limestone and sandstone shale rock formation and lies on a sub-soil of moist brown and blue clay which is mixed with rock.

Scattering pine, pinon and cedar grow on the entire township, also a scattering growth of sage and service berry undergrowth.

There is no water in the township.

There are no settlers in the township.

I find no indications of mineral in the township.

The mean magnetic declination is 15°45'E.

Howard W. Miller

U. S. Cadastral Engineer.

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
Calvin Mace	1st. chainman
Campbell W. Adams	2nd. chainman
Farrel Rasmussen	Flagman

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~.
CADASTRAL ENGINEER.

I Howard W. Miller, U. S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 3rd. day of May, 1918, 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 2nd. Standard Parallel South, through Range 12 East, retracement of the Uintah Indian Reservation Boundary and survey of the subdivision of T.10 S., R.12 E. of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes and date diagram on page 1 as having been executed by me, and under my direction; on dates as shown on diagram and 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 Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Certified to at Salt Lake City, Utah, February 18, 1920.

Howard W. Miller
U. S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 29, 1920.

The foregoing field notes of the ~~survey~~ of retracement of the Uintah Indian Reservation Boundary; survey of the Second Standard Parallel South through Range No. 12 East; and survey of the subdivisional lines of Township No. 10 South, Range No. 12 East of the Salt Lake Base and Meridian, Utah,

executed by Howard W. Miller under ~~his~~ special instructions dated May 3, 1918, 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.

C. 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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U. S. Surveyor General's Office
FEB 13 1920
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE RE SURVEY OF THE

SOUTH BOUNDARY AND SURVEY OF THE

SUBDIVISION OF

T.11 S., R.12 E.

Of the SALT LAKE BASE AND *Meridian,*

In the State of Utah

EXECUTED BY

HOWARD W. MILLER, U. S CADASTRAL ENGINEER

AND

WALTER BYERGO, U. S. TRANSITMAN

~~In the capacity of U.S. Surveyor,~~ *under instructions dated* May 3, *1918,*

issued by the United States Surveyor General to govern surveys included in

Group No. 71, *which were approved by the Commissioner of the General Land*

Office, May 28, *1918*

ASSIGNMENT INSTRUCTION DATED JULY 24 AND AUGUST 9,1918; JUNE 13,1919

Survey commenced JULY 17, *1919*

Survey completed AUGUST 19, *1919*

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INDEX DIAGRAM.

Township 11 SOUTH, *Range* 12 EAST

6 99 98	5 79 97	4 63 78	3 48 62	2 31 46	1 30
7 95 94	8 76 93	9 60 75	10 45 59	11 29 43	12 ~~12~~ 27
18 92 91	17 73 89	16 58 72	15 41 56	14 25 40	13 23
19 88 87	20 70 86	21 55 69	22 38 54	23 22 37	24 21
30 84 83	29 67 80	28 52 65	27 35 49	26 19 33	25 ~~16~~
31 82 ~~5~~	32 66 5	33 51 4	34 34 4	35 18 4	36 4
15	13	11	9	8	5

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INDEX DIAGRAM.

Township 11 S, Range 12 E

6 ~~313~~	5 ~~293~~	4 ~~271~~	3 ~~262~~	2 ~~245~~	1
~~312~~	~~311~~	~~292~~	~~276~~	~~260~~	~~244~~
7 ~~309~~	8 ~~290~~	9 ~~274~~	10 ~~259~~	11 ~~243~~	12
~~308~~	~~307~~	~~289~~	~~273~~	~~257~~	~~241~~
18 ~~306~~	17 ~~287~~	16 ~~272~~	15 ~~255~~	14 ~~239~~	13
~~305~~	~~303~~	~~286~~	~~270~~	~~254~~	~~237~~
19 ~~302~~	20 ~~284~~	21 ~~269~~	22 ~~252~~	23 ~~236~~	24
~~301~~	~~300~~	~~283~~	~~268~~	~~251~~	~~235~~
30 ~~298~~	29 ~~281~~	28 ~~266~~	27 ~~249~~	26 ~~233~~	25
~~297~~	~~294~~	~~279~~	~~263~~	~~247~~	~~230~~
31 ~~296~~	32 ~~280~~	33 ~~265~~	34 ~~248~~	35 ~~232~~	36
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229	227	225	223	222	219

T.11 S., R.12 E.

DATE DIAGRAM

6 8-18-19 8-19-19 8-18-19	5 8-17-19 8-17-19	4 8-16-19 8-16-19 8-12-19 8-17-19	3 8-16-19 8-12-19	2 8-17-19 8-14-19 8-15-19	1 8-14-19
7 8-16-19 8-14-19	8 8-17-19 8-5-19 8-15-19	9 8-11-19 8-6-19	10 8-15-19 8-11-19	11 8-14-19 8-13-19 8-14-19	12 8-13-19
18 8-14-19 8-13-19 8-9-19	17 7-30-19 8-12-19	16 8-4-19 7-30-19 8-4-19	15 8-8-19 8-8-19	14 8-13-19 8-7-19	13 8-6-19
19 8-8-19 8-6-19	20 7-29-19 8-11-19	21 7-26-19 8-4-19 7-28-19	22 7-23-19 8-7-19 7-23-19 7-26-19	23 7-21-19 8-6-19 7-22-19	24 7-22-19
30 8-5-19 8-7-19	29 7-28-19 7-29-19	28 7-25-19 7-26-19 7-28-19 7-26-19	27 7-22-19 7-23-19 7-22-19 7-25-19	26 7-21-19 7-21-19 7-22-19	25 7-21-19 7-21-19
31 7-30-19 7-17-19 7-31-19	32 7-28-19 7-18-19 7-31-19	33 7-25-19 7-20-19 7-28-19	34 7-23-19 7-19-19 7-29-19	35 7-21-19 7-18-19 7-19-19 7-24-19	36 7-18-19 7-24-19

Lines dated and colored with black ink were surveyed by Howard W. Miller, U. S. Cadastral Engineer.

Lines dated and colored with red ink were surveyed by Walter Byergo, U. S. Transitman.

Test of Instruments

Survey commenced July 17,1919 and executed with Buff and Buff transit No. 8964 and Young and Sons transit No. 8539. For complete description and approval of instruments see survey of T.11 S.,R.11 E. of this group.

I examine the adjustments of the transits and find no errors, then, to test the solar apparati by comparing their indications 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:

July 20,1919: At my camp which is situated near the ¼ sec. cor. bet. secs. 34 and 35, T.11 S.,R.12 E. in approximate latitude 39°49½' N., longitude 110° 35'W.; at 8h.00m. a.m. apparent time, I set off 39°49½' on the lat. arc; 20°48'N., on the decl. arc; and determine a meridian with Buff and Buff transit No.8964 and note that a dead limb on a large pine tree about ½ mile distant bears N.0°03'W. With the same latitude and declination set off on the arcs of Young and Sons transit No.8539, at 8h. 15m.a.m. apparent time I determine a meridian with the solar and find that the same limb bears N.0°03'W.

At apparent noon with the instruments in the meridian; I set off 39°49½' on the lat. arcs; the reading of the declination arc of each instrument is 20° 46'N.

MERIDIAN OBSERVATION OF THE SUN FOR APPARENT NOON

With the telescope of the Buff and Buff transit in the meridian and elevated to the sun's altitude, I observe the sun's transit for time, noting the watch time of transit of each limb.

Mean watch time of apparent noon ------ 1h. 28m. 26s.p.m.
Watch fast of local mean time ----- 1h. 22m. 20s.

At 3h.00m.p.m. apparent time transitman Byergo and myself set off 39°49½' On the latitude arcs; 20°45'N. on the decl. arcs; and determine a meridian with each transit

and find that the limb on the tree bears N.0°03'W.

At the same station with Buff and Buff transit No.8964, at 7h.22m. 42s.p.m.l.m.t., I make an hour angle observation on Polaris, east of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the tree used in the solar observations, in direction of N-E to Polaris.

Watch time of observation, mean of four readings = 8H.45M.02S.P.M.

Mean horizontal angle from tree to Polaris = 0°41'N-E.

Azimuth of Polaris = N.0°38'E.

True bearing of tree = N.0°03'W.

The solar apparatus of each instrument defines positions for meridians during a.m. and p.m. hours that do not vary more than 1' from the meridian determined by observations made on Polaris, I therefore conclude that the instruments are in good adjustment.

The instruments were kept in good adjustment during the progress of the survey, frequent tests being made on meridians determined by observations made on Polaris.

DECLINATION ARC SETTINGS

In the declination arc settings, .80 of the tabulated refraction for computing declinations is used, due to the altitude of the country which is about 6500 ft.

MEASUREMENTS

Unless otherwise specified all measurements are made with Lallie Steel ribbon tapes 5 chains in length compared with a Lufkin Standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements

properly reduced to true horizontal distances.

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

I begin at the cor. of Tps. 11 and 12 S., R.12 E., heretofore described; approximate latitude 39°49'N.; longitude 110°33'W.

Thence

N.89°54'W., on retracement line along S. bdy. sec. 36

40.00 No trace of the ¼ sec. cor. can be found.

78.78 Fall 45 lks. S. of the cor. of secs. 35 and 36 hereinafter described.

The bearing of this mile is N.89° 34'W., and the distance is 78.78 chs.

From cor. of secs. 35 and 36

N.89°54'W., on retracement line along S. bdy. sec. 35

40.00 No trace of the ¼ sec. cor. can be found.

77.59 Fall 75 lks. S. of the cor. of secs. 34 and 35 hereinafter described.

The bearing of this mile is N.89°21'W., and the distance is 77.59 chs.

From the cor. of secs. 34 and 35

N.89°54'W., on retracement line along S. bdy. sec. 34.

40.00 No trace of the ¼ sec. cor. can be found.

79.21 Fall 80 lks. S. of the cor. of secs. 33 and 34 hereinafter described.

The bearing of this mile is N.89°19'W., and the distance is 79.22 chs.

From the cor. of secs. 33 and 34.

N.89°54'W., on retracement line along S. bdy. sec. 33.

40.95 Fall 1.07 chs. S. of the ¼ sec. cor. hereinafter described.

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS	
	The bearing of this ½ mile is N.88°24'W., and the distance is 40.97 chs.
	From the ¼ sec. cor., continue N.89°54'W.
80.00	No trace of the cor. of secs. 32 and 33 can be found. I therefore continue my line N.89°54'W. and at
160.98	Fall 64 lks. S. of the cor. of secs. 5,6,31 and 32 hereinafter described.
	The bearing of the line bet. the ¼ sec. cor. S. bdy. sec. 33 and the cor. of secs. 5,6,31 and 32 is therefore ? N.89°36'W., and the distance is 120.03 chs.
	From the cor. of secs. 5,6,31 and 32. N.89°54'W., on retracement line along S. bdy. sec. 31
40.21	Fall 24 lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is N.89°34'W., and the distance is 40.21 chs.
	From point 24 lks. S. of ¼ sec. cor., continue N.89°54'W.
80.02	Fall 35 lks. S. of the cor. of Tps. 11 and 12 S., Rs. 11 and 12 E. heretofore described.
	The bearing of this ½ mile is N.89°45'W., and the distance is 39.81 chs.
	From the cor. of Tps. 11 and 12 S., R.12 E. N.89°34'W., on resurvey line along S. bdy. sec. 36
	Over rough mountainous land through scattering pine timber and undergrowth of sage and service berry brush. Ascend along steep N. slope of ridge.
4.60	Head of draw, drains NE.; leave pine and enter scattering patches of aspen timber, bears N. and S. Ascend over NE. slope.
8.00	Leave aspen timber, bears N. and S.
11.55	Top of ridge divide between Minnie Maude and Sulphur Canyons, 170 ft. above Tp. cor., bears NW. and SE.;

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS	
	leave undergrowth and descend along rugged and ledgy S. slope.
13.85	Head of draw, drains S.; enter scattering pine and cedar timber, bears N. and S.
18.15	Begin descent precipitous SW. slope over series of small shale rock ledges.
22.90	Ledge, 30 ft. high, bears NW. and SE.
33.20	Base of ledges and draw, 630 ft. below divide, drains SW. about 5 chs., thence S. Aspen and pine timber in draw. Ascend SE. slope.
36.50	Enter pine, pinon and cedar timber, bears N. and S.
37.50	Spur, 65 ft. above draw, projects S. about 6 chs.; descend abruptly over SW. slope.
38.95	Draw, 50 ft. below spur, drains S.; ascend abruptly.
40.00	On SE. slope, 30 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. S. bdy. sec. 36, with brass cap marked
	¼S36 / 1919
	from which
	A cedar, 10 ins.diam.,bears N.74°30'E., 163 lks. dist.,marked ¼ S 36 B T
	A cedar, 10 ins.diam.,bears N.84°30'W., 55 lks. dist.,marked ¼ S 36 B T
	Continue ascent.
42.00	Spur, 80 ft. above ¼ sec. cor., projects S.15°W.; descend steep W. slope over shale ledges.
47.05	Canyon, 235 ft. below spur, drains S.20°W.; ascend abruptly over E. and SE. slopes.
52.00	Spur, 155 ft. above canyon, projects S.15°E.; descend precipitous SW. slope.
55.40	Draw, 175 ft. below spur, drains S.30°E.; ascend abruptly.
61.50	Spur, 225 ft. above draw, projects SE.; descend abruptly.
64.35	Draw, 80 ft. below spur, drains SE.; ascend abruptly E. slope.

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS	
70.00	Spur, 200 ft. above draw, projects S.; descend abruptly SW. slope.
77.40	Draw, 265 ft. below spur, drains S.30°E.; ascend abruptly.
78.78	The cor. of secs. 35 and 36 which is a sandstone, 12 x 10 x 5 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	I destroy marks on this stone and leave same standing for an angle point.
	Thence
	N.89°21'W., with continuous measurement.
79.39	Intersect the closing cor. of secs. 1 and 2, T.12 S.,R. 12 E., which is a sandstone, 12 x 10 x 8 ins. above ground, loosely set, and marked and witnessed as described by the surveyor general.
80.00	Spur, 100 ft. above draw, projects SE. about 8 chs. Set an iron post, 3 ft. long, 2 ins. in dia., 20 ins. in the ground on solid rock and 4 ins. in a mound of stone for cor. of secs. 35 and 36, T.11 S.,R.12 E., with brass cap marked

T11S	R12E
S35	S36

1919

from which

A pine, 14 ins.diam.,bears N.19°15'E., 112 lks. dist., marked T 11 S R 12 E S 36 B T

A cedar, 16 ins.diam.,bears N.35°30'W., 80 lks. dist.,marked T 11 S R 12 E S 35 B T

Land, rough, rugged mountains; E. 11.55 chs. slopes and drains N., remainder of mile on south slope of divide between Sulphur and Minnie Maude Canyons, very rugged and ledgy.

Soil, blue limestone shale rock with exception of E. 11.55 chs. which is brown loam; sub-soil, rock. Limestone formation.

Timber, pinon, cedar, pine and aspen. Aspen only on eastern portion of mile.

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS	
	Undergrowth, sagebrush and service berry. Poor grazing.
	N.89° 21'W., on resurvey line along S. bdy. of sec. 35
	Over rough mountainous land through scattering pine, cedar and pinon timber and undergrowth of sage, service berry and buck brush. Descend over SW. slope.
4.60	Draw, 40 ft. below sec. cor., drains SE.; leave timber, bears N. and S. Ascend abruptly over E. slope.
11.00	Spur, 225 ft. above draw, projects S.; descend over W. slope.
17.00	Draw, 4 chs. wide, 135 ft. below spur, drains S.10°W.; ascend abruptly over E. slope.
25.85	Spur, 115 ft. above draw, projects SW.; descend abruptly NW. slope.
32.80	Enter dense pine timber, bears NE. and SW.
38.05	Draw, 280 ft. below spur, drains S.80°W. for about 10 chs., thence SW.; thence along general S. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor. S. bdy. sec. 35, with brass cap marked ¼S35 1919 from which A cedar, 8 ins.diam.,bears N.84°30'E., 69 lks. dist.,marked ¼ S 35 B T A pine, 18 ins.diam.,bears N.35°W., 113 lks. dist.,marked ¼ S 35 B T
51.75	Leave timber, bears NE. and SW.; begin ascent over SE. slope.
58.20	Spur, 130 ft. above draw, projects S.80°W. about 10 chs., thence S.30°W.; descend along N. slope of spur.
67.80	Enter dense pine timber, bears N.80°E. and S.80°W.
76.37	Intersect the cor. of secs. 34 and 35 which is a sandstone, 8 x 8 x 4 ins., lying on the ground, marked with 2 notches on one and 4 notches on opposite

CHAINS

edge. No accessories to cor.

I destroy marks on stone and reset same stone 4 ins. in the ground for an angle point.

Thence

N.89°19'W., with continuous measurement.

77.27 Intersect the closing cor. of secs. 2 and 3, T.12 S., R.12 E. which is a sandstone, 6 x 6 x 12 ins. above ground, loosely set, and marked and witnessed as described by the surveyor general.

80.00 On N. slope of ridge in dense pine timber, 240 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 34 and 35, T.11 S., R.12 E., with brass cap marked

T11S S34	R12 E S35

1919

from which

A pine, 12 ins.diam.,bears N.40°E., 40 lks. dist.,marked T 11 S R 12 E S 35 B T

A pine, 14 ins.diam.,bears N.48°15'W., 33 lks. dist.,marked T 11 S R 12 E S 34 B T

Land, high, rough mountains, general S. exposure and drainage.

Soil, brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, brown clay loam and rock.

Timber, red pine, pinon and cedar.

Undergrowth, dense sage, service berry and buck brush. Good grazing.

N.89°19'W., on resurvey line along S. bdy. of sec. 34.

Over rough mountainous land through dense pine and scattering cedar and pinon timber, service berry, sage and buck brush undergrowth. Descend along N. slope of ridge.

5.75 Draw, 150 ft. below sec. cor., drains S.30°W.; leave

RESURVEY OF THE SOUTH BOUNDARY OF T. 11 S.,R.12 E.

CHAINS	
	dense timber, bears N. and S. Ascend.
8.20	Spur, 50 ft. above draw, projects SW.; descend abruptly over W. slope.
12.35	Wagon road, bears N. and S.
12.75	Bottom of Lower Water Hollow and stream, 3 lks. wide, 2 ins. deep, good water, 125 ft. below spur, course SW. 1 ch. thence S.; ascend.
15.20	Mouth of draw, drains SE., also large patch of aspen. Begin abrupt ascent over E. slope.
33.00	Spur, 510 ft. above Water Hollow, projects S.30°E.; gradually descend.
36.40	Head of draw, drains S. about 15 chs., thence SE.; ascend.
40.00	On E. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor.S. bdy. of sec. 34, with brass cap marked
	¼S34 / 1919
	from which
	A pine, 18 ins.diam.,bears N.52°14'E., 244 lks. dist.,marked ¼ S 34 B T
	A pinon, 6 ins.diam.,bears N.6°15'W., 137 lks. dist.,marked ¼ S 34 B T
41.20	Spur, 80 ft. above draw, projects S.; descend abruptly over W. slope.
52.70	Draw, 370 ft. below spur, drains S.; aspen timber along bottom of draw. Ascend abruptly over E. slope.
60.90	Spur, 240 ft. above draw, projects S.; descend abruptly over W. slope.
70.10	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 275 ft. below spur, course S.; ascend abruptly over E. slope 140 ft. to
75.59	The cor. of secs. 33 and 34 which is a sandstone, 12 x 8 x 6 ins. above ground, firmly set, and marked

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS

and witnessed as described by the surveyor general.

I destroy marks on stone and leave same standing for an angle point.

Thence

N.88°24'W., with continuous measurement

76.67 The closing cor. of secs. 3 and 4, T.12 S.,R.12 E., which is a sandstone, 5 x 5 x 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

80.01 Westing of 80.00 chs. from cor. of secs. 34 and 35.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 33 and 34, with brass cap marked

T11S	R12E
S33	S34

1919

from which

A pine, 8 ins.diam.,bears N.47°30'E., 13 lks. dist.,marked T 11 S R 12 E S 34 B T

A pine, 6 ins.diam.,bears N.76°45'W., 32 lks. dist.,marked T 11 S R 12 E S 33 B T

Cor. stands on NE. slope at foot of N. side of large pine tree.

Land, high, rough mountains, general S. exposure and drainage.

Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, brown clay and rock.

Timber, pine, pinon and cedar; a few scattering patches of aspen.

Undergrowth, dense sage, service berry and buck brush. Good grazing.

N.88°24'W., on resurvey line along S. bdy. of sec. 33.

Over rough rough mountainous land through red pine timber and dense undergrowth of sage, service berry and buck brush. Ascend abruptly over eastern slope

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS	
	of high ridge.
3.00	Leave timber, bears NE. and SW.
17.85	Ridge, 520 ft. above sec. cor., bears NW. and SE.; descend abruptly over NW. slope 530 ft. to
36.55	The ¼ sec. cor. which is a sandstone, 6 x 6 x 14 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	I destroy marks on stone and leave same standing for an angle point.
	Thence
	N.89°36'W., with continuous measurement
	Enter scattering pine, pinon and cedar timber, bears N.and S.
40.01	On steep NW. slope; westing of 40.00 chs. from cor. of secs. 33 and 34.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. S. bdy. sec. 33, with brass cap marked
	¼S33 / 1919
	from which
	An aspen, 8 ins.diam.,bears N.55°55'E., 327 lks. dist.,marked ¼ S 33 B T
	A pinon, 20 ins.diam.,bears N.66°15'W., 287 lks. dist.,marked ¼ S 33 B T
42.90	Draw, 50 ft. below ¼ sec. cor., drains S.40°W.; ascend abruptly over NE. slope.
51.50	Spur, 260 ft. above draw, projects SE.; descend abruptly SW. slope.
68.40	Canyon, 310 ft. below spur, drains SE.; ascend abruptly.
80.01	Westing on 80.00 chs. from cor. of secs. 33 and 34.
	On E. slope 460 ft. above canyon.
	Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock and 6 ins. in a mound of stone for cor. of secs. 32 and 33 with brass cap marked

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS	
	T11S S32 | R12E S33 — 1919
	from which
	A pine, 8 ins.diam.,bears N.7°20'E., 116 lks. dist.,marked T 11 S R 12 E S 33 B T
	A pine, 10 ins.diam.,bears N.74°50'W., 100 lks. dist.,marked T 11 S R 12 E S 32 B T
	Land, high, rough mountains with general E. and W. slopes of high ridges and spurs into draws and canyons draining S.
	Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, brown clay loam and rock.
	Timber, scattering pine, pinon, cedar and aspen.
	Undergrowth, dense sage, service berry and buck brush. Good grazing.
	N.89° 36'W., on resurvey line along S. bdy. of sec. 32
	Over rough mountainous land through scattering pine timber and undergrowth of sage, service berry and buck brush. Ascend E. slope.
1.00	Spur, 30 ft. above cor., projects SE.; gradually descend.
4.30	Head of draw, 50 ft. below spur, drains SW.; thence along S. slope.
7.75	Spur, level with head of draw, projects SW.; descend abruptly.
22.35	Ravine, 605 ft. below spur, drains SW.; ascend abruptly.
33.00	Point of spur, 420 ft. above ravine, projects S.; leave scattering pine timber, bears N. and S. Descend.
36.55	Head of draw, 65 ft. below spur, drains S.; Ascend.
39.75	Spur, 75 ft. above head of draw, projects S.; descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. S. bdy. sec. 32, with brass cap marked

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS	
	¼S32 / 1919
	from which
	A pinon limb, 10 ins.diam.,bears N.46°35'E., 86 lks. dist.,marked ¼ S 32 B T
	A pine, 10 ins.diam.,bears N.42°05'W., 52 lks. dist.,marked ¼ S 32 B T
	Descend abruptly over W. slope.
49.15	Base of steep descent and enter bottom lands of Minnie Maude Canyon, 555 ft. below ¼ sec. cor., bears NW. and SE.
57.45	Stream, 2 lks. wide, 2 ins. deep, good water, from Upper Water Hollow, course S.20°E.; gradually ascend.
76.57	The cor. of secs. 5,6,31 and 32 which is a sandstone, 16 x 10 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general. This cor. now refers to secs. 5 and 6, T.12 S.,R.12 E. only.
	Thence
	N.89°34'W., with continuous measurement
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 31 and 32, with brass cap marked
	T11S S31 | R12 E S32 / 1919
	from which
	A pine, 20 ins.diam.,bears N.6°40'E., 263 lks. dist.,marked T 11 S R 12 E S 32 B T
	A pine, 10 ins.diam.,bears N.10°10'W., 338 lks. dist.,marked T 11 S R 12 E S 31 B T
	Land, eastern portion of mile rough mountainous with general S. exposure and drainage to Minnie Maude Canyon; western portion of mile rolling canyon bottom. Soil, brown loam, shallow in the mountainous portion, deep in the canyon bottoms. Considerable sandstone and

RESURVEY OF THE SOUTH BOUNDARY OF T.11 S.,R.12 E.

CHAINS	
	limestone rock mixed with the soil; sub-soil, moist brown loam and rock.
	Timber, scattering pine, pinon and cedar.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.89°34'W., on resurvey line along S. bdy. of sec. 31.
	Over rolling mountainous land through scattering red pine and cedar timber, undergrowth, dense sage and scattering service berry brush.
10.30	Road in Minnie Maude Canyon, bears N.80°W. and S.80°E.
13.30	Minnie Maude Creek, in bottom of canyon, 10 lks. wide, 3 ins. deep, good water, course SE.; dense willow undergrowth along creek. Ascend.
14.80	Enter dense aspen timber, bears NW. and SE.
18.30	Leave dense timber, bears N. and S.
20.60	Spur, 80 ft. above creek, projects NW.; descend.
22.60	Enter dense timber, bears N. and S.
30.60	Leave dense timber, bears N. and S.
35.80	Leave timber, bears N. and S.
36.78	The ¼ sec. cor. which is a sandstone, 12 x 10 x 6 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	This ¼ sec. cor. now refers to sec.6, T.12 S.,R.12 E. only.
	Thence
	N.89°40'W., with continuous measurement.
40.00	Bottom of Minnie Maude Canyon and Creek, 10 lks. wide, 3 ins. deep, good water, 35 ft. below spur, course NE. Point for ¼ sec. cor. S. bdy. sec. 31 falls in creek, witness cor. set at 40.33 chs.
40.33	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor. S. bdy. sec. 31, with brass cap marked

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
41.60	Same Creek, course SE.
45.40	Same creek, course at bend from NW. to NE.
50.10	Gate in large corral bears S. about 1 ch.; leave canyon and enter rough mountainous land covered with dense aspen timber, bears NE. and SW. Ascend over N. and NE. slopes 260 ft. to
76.59	The cor. of Tps. 11 and 12 S.,Rs. 11 and 12 E.
	Land rolling and rough mountainous, slopes and drains N. and S. to bottom of Minnie Maude Canyon which drains E.
	Soil, dark brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist, sticky clay loam.
	Timber, scattering patches of aspen.
	Undergrowth, sage, service berry and buck brush. Willow along creek. Good grazing.

SUBDIVISION OF T.11 S.,R.12 E.

The south boundary of this township being defective in alinement, I begin at the cor. of secs. 25 and 36 on the E. bdy. of the tp. heretofore described.

Thence

	West, on Sectional Correction Line bet. secs. 25 and 36.
	Over rough mountainous land near top of south slope of Argyle Ridge, through very scattering pine timber and undergrowth of sage and service berry brush. Gradually ascend over E. slope.
8.70	Spur, 85 ft. above cor., projects SE.; gradually descend.
11.30	Begin steep descent over SW. slope, bears NW. and SE.
26.90	Bottom of draw and stream, 2 lks. wide, 1 in. deep, good

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	water, 405 ft. below spur, course S. The head of numerous small springs of good water, bears N. about 5 chs. distant. Ascend abruptly over SE. slope 260 ft. to
40.00	On general S. slope of Sulphur Canyon. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S25/S36 1919 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Continue ascent.
49.25	Spur, 110 ft. above ¼ sec. cor., projects S.30°E.; gradually descend along S. slope.
64.65	Draw and fork of Sulphur Canyon, 50 ft. below spur, drains S.30°E.; enter dense aspen timber, bears NW. and SE. Ascend eastern slope.
68.75	Spur and break of mountain top, 120 ft. above draw, bears N. and S.; gradually descend.
70.50	Leave timber, bears NE. and SW.
77.40	Wide, opem draw, drains N.60°E.; gradually ascend through dense sagebrush.
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 T11S | R12E S26 | S25 S35 | S36 1919 from which A pine, 8 ins.diam.,bears N.21°15'E., 148 lks. dist.,marked T 11 S R 12 E S 25 B T An aspen, 6 ins.diam.,bears S.20°45'E., 296 lks. dist.,marked T 11 S R 12 E S 36 B T An aspen, 4 ins.diam.,bears S.5°W., 350 lks. dist.,marked T 11 S R 12 E S 35 B T

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	A pine, 14 ins.diam.,bears N.24°15'W., 172 lks. dist.,marked T 11 S R 12 E S 26 B T
	Land, E. 68.75 chs. rough mountainous, general S. exposure and drainage; remainder of mile rolling mountain top, drains E.
	Soil, brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, moist brown loam, packed hard and mixed with gravel and rock.
	Timber, scattering patches of aspen and pine.
	Undergrowth, sage and service berry brush. Good grazing.
	South, on a random line bet. secs. 35 and 36
40.00	Set temp. ¼ sec. cor.
79.26	Intersect S. bdy. of the tp. 30 lks. W. of the cor. of secs. 35 and 36 heretofore described.
	Thence
	N.0°13'W., on true line bet. secs. 35 and 36.
	Over rough mountainous land through pine and aspen timber and undergrowth of sage, service berry and buck brush. Ascend precipitous S. slope of mountain over shale ledges, slide rock and boulders.
35.05	Top of mountain and ridge divide between Minnie Maude and Sulphur Canyons, 1320 ft. above sec. cor., bears E. and W. Leave timber and descend over rolling mountain top through dense sagebrush undergrowth.
39.26	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S35 | S36 1919
	from which
	An aspen, 4 ins.diam.,bears N.26°E., 105 lks. dist.,marked ¼ S 36 B T
	A pine, 10 ins.diam.,bears N.4°30'W., 119 lks. dist.,marked ¼ S 35 B T

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Continue descent over rolling mountain top through dense sagebrush and along W. edge of aspen thicket, bears N.and S.
47.00	Enter dense aspen and scattering pine timber, bears E. and W.
58.50	Leave aspen timber and enter burnt area, bears E. and W.
76.10	Leave burnt area and enter large sagebrush opening, bears N.80°E. and S.80°W.
78.50	Draw, 135 ft. below ¼ sec. cor., drains N.80°E.; gradually ascend.
79.26	The cor. of secs. 25,26,35 and 36.
	Land, high mountains, rough and rugged with S. exposure and drainage on S.35.05 chs.; rolling mountain top, sloping and draining NE. on remainder of mile.
	Soil, brown loam, loose shale rock and rocky of limestone formation; sub-soil, moist loam and rock. Considerable rich soil on N.½ mile.
	Timber, aspen and pine.
	Undergrowth, sage, service berry and buck brush. Good grazing on N.½ mile.
	N.0°01'W., bet. secs. 25 and 26.
	Over rolling mountain top through scattering pine timber and dense sagebrush undergrowth. Gradually ascend over S. slope.
6.40	Top of Argyle Ridge, 30 ft. above sec. cor., bears E. and W.; gradually descend over N. slope.
21.75	Enter dense aspen timber, bears SE. and SW.
33.00	Leave dense and enter scattering timber, bears E. and W.
40.00	On gentle N. slope, 165 ft. below Argyle Ridge.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S26 | S25

1919

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	from which
	A pine, 12 ins.diam.,bears S.8°E., 386 lks. dist.,marked ¼ S 25 B T
	An aspen, 4 ins.diam.,bears S.79°15'W., 234 lks. dist.,marked ¼ S 26 B T
50.00	Enter dense aspen timber, bears NE. and W.
64.00	The east side of a sheep corral about 3 chs. in dia., bears West, 2 chains distant.
65.60	Leave timber, bears E. and W.
68.65	Draw, 110 ft. below ¼ sec. cor., drains NE.; enter aspen timber, bears NE. and SW. Gradually ascend.
77.20	Leave timber, bears NE. and SW.
80.00	On top ridge, 50 ft. above draw, bears NE. and SW. 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

T11S	R12E
S23	S24
S26	S25

1919

from which

An aspen, 3 ins.diam.,bears S.15°30'E., 270 lks. dist.,marked T 11 S R 12 E S 25 B T

An aspen, 3 ins.diam.,bears S.5°45'W., 310 lks. dist.,marked T 11 S R 12 E S 26 B T

An aspen, 3 ins.diam.,bears N.67°30'W., 405 lks. dist.,marked T 11 S R 12 E S 23 B T

No other trees are available.

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

Land, rolling mountain top with general N. exposure and NE. drainage.

Soil, moist brown loam mixed with gravel; sub-soil, brown, sticky clay loam.

Timber, scattering patches of dense aspen and scattering pine.

Undergrowth, dense sagebrush. Good grazing.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	East, on a random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect E. bdy. of the tp., 9 lks. N. of the cor. of secs. 24 and 25 heretofore described.
	Thence
	N.89°.56'W., on true line bet. secs. 24 and 25.
	Over rough mountainous land through dense pine and aspen timber, scattering sage, service berry and buck brush undergrowth. Descend abruptly over NW. slope.
8.40	Bottom of canyon, small seep of good water in same, 305 ft. below sec. cor., course NE.; ascend steep SE. slope of mountain.
10.90	Leave dense and enter scattering timber, bears NE. and SW.
35.40	Brink of mountain top, 760 ft. above canyon, bears N.60°E. and S.60°W.; thence across nearly level flat.
40.06	On brink of mountain top, bears NW. and SE.
	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S24 / S25 / 1919
	from which
	A pine, 12 ins. diam., bears N.85°30'E., 486 lks. dist., marked ¼ S 24 B T
	A pine, 10 ins. diam., bears S.82°E., 442 lks. dist., marked ¼ S 25 B T
	Descend abruptly SW. slope 135 ft. to
47.85	Bottom of draw and stream, 1 lk. wide, 1 in. deep, comes from spring about 1 ch. N.30°W. and drains S. about 10 chs., thence N.80°E. Enter dense aspen thicket, bears N.30°W. and S.30°E. Ascend.
53.00	Brink of mountain top and leave timber, bears N.20°E. and S.; gradually ascend over general SE. slope through dense sagebrush.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
72.40	Enter aspen thicket, bears N. and S.
74.40	Leave aspen thicket, bears NE. and SW.
80.12	The cor. of secs. 23,24,25 and 26, 200 ft. above draw.
	Land, rough mountainous in the eastern portion, rolling mountain top in the western portion of mile. General eastern exposure.
	Soil, deep, brown mountain loam, mixed with gravel and rock of limestone formation; sub-soil, moist, brown clay and rock.
	Timber, dense pine and aspen on eastern 10.90 chains; scattering on balance of mile.
	Undergrowth, dense sage, scattering service berry and buck brush. Good grazing.
	N.0°01'W., bet. secs. 23 and 24.
	Over rough mountainous land through dense sagebrush undergrowth. Descend over N. slope.
5.80	Enter dense pine and aspen timber, bears NE. and SW.
23.00	Draw, 295 ft. below sec. cor., drains NE.; ascend steep E. and SE. slopes.
31.00	Spur, 100 ft. above draw, projects NE.; descend abruptly NE. slope.
40.00	On E. slope, 200 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S23 | S24 1919
	from which
	An aspen, 7 ins.diam., bears S.20°E., 24 lks. dist., marked ¼ S 24 B T
	A pine, 14 ins.diam., bears N.81°W., 40 lks. dist., marked ¼ S 23 B T
50.65	Draw and stream, 2 lks. wide, 1 in. deep, good water, 265 ft. below ¼ sec. cor., course NE.; leave dense

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS

timber and enter dense tall undergrowth, bears NE. and SW. Ascend along steep E. slope.

62.60 Spur, 30 ft. above draw, projects NE.; descend over steep E. and NE. slopes, 175 ft. to

80.00 On top of narrow spur, projects N.15°E.

Set an iron post, 3 ft. long, 2 ins. in dia., 8 ins. in the ground on solid rock and 16 ins. in a mound of stone for cor. of secs. 13,14,23 and 24, with brass cap marked

T11S	R12E
S14	S13
S23	S24

1919

from which

A pine, 6 ins.diam.,bears N.6°E., 186 lks. dist.,marked T 11 S R 12 E S 13 B T

A pine, 5 ins.diam.,bears N.29°30'W., 110 lks. dist.,marked T 11 S R 12 E S 14 B T

No other trees are available.

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

Land, rough mountainous, general N. exposure and drainage.

Soil, moist, brown loam, streaked with gravel and rock; sub-soil, moist, brown clay and rock. Limestone and sandstone formation.

Timber, pine and aspen.

Undergrowth, dense sage, service berry and buck brush. Good grazing.

S.89°56'E., on a random line bet. secs. 13 and 24.

40.00 Set temp. ¼ sec. cor.

80.13 Intersect E. bdy. of the tp. 2 lks. N. of the cor. of secs. 13 and 24 heretofore described.

Thence

N.89°55'W., on true line bet. secs. 13 and 24.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Over rough mountainous land through dense sage and scattering service berry undergrowth. A few scattering pine trees on both sides of line. Gradually ascend.
3.10	Spur, 10 ft. above cor., projects N.; Descend abruptly over W. slope.
10.75	Head of draw, 115 ft. below spur, drains NW.; continue to descend.
15.55	Spur, 85 ft. below draw, projects NW.; descend abruptly W. slope.
21.60	Bottom of canyon and stream, 3 lks. wide, 1 in. deep, good water, 230 ft. below spur, course N.10°E. about 8 chs., thence NE.; ascend abruptly over E. and NE. slopes.
37.00	Top of brink of wide spur, 495 ft. above canyon, projects NE.; enter scattering aspen timber, bears N. and S. Thence across N. slope of spur.
40.06½	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor., with brass cap marked $\frac{1}{4}\ \frac{S13}{S24}$ 1919 from which
	An aspen, 3 ins.diam.,bears N.20°45'E., 82 lks. dist.,marked ¼ S 13 B T
	An aspen, 3 ins.diam.,bears S.55°W., 73 lks. dist.,marked ¼ S 24 B T
	Numerous springs of good water head on top of spur about S.20°W., 10 chs. distant.
43.15	Leave aspen timber, bears NE. and SW.
47.15	Begin descent over W. and NW. slopes.
60.10	Draw, 330 ft. below ¼ sec. cor., drains NW.; ascend abruptly over NE. slope.
61.16	Enter aspen timber, bears NW. and SE.
65.20	Spur, 90 ft. above draw, projects N.; descend abruptly over NW. and W. slopes.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS

68.75 Leave timber, bears N. and S.

71.40 Canyon, 160 ft. below spur, drains N. about 10 chs., thence NE.; ascend abruptly E. slope 340 ft. to

80.13 The cor. of secs: 13,14,23 and 24.

Land, rough mountainous; general N. exposure and drainage.

Soil, shallow brown loam, gravelly and rocky of limestone formation; sub-soil, moist loam and rock.

Timber, scattering pine and patches of aspen.

Undergrowth, sage, service berry and buck brush. Good grazing.

N.0°01'W., bet. secs. 13 and 14.

Over rough mountainous land through dense undergrowth of sage and service berry brush. Descend along top of spur.

.75 Begin abrupt descent over NW. slope.

1.50 Enter dense pine and scattering aspen timber, bears NE. and SW.

13.00 Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 480 ft. below sec. cor., course NE.; leave dense timber and begin ascent over steep SE. slope; loose shale rock and ledges.

35.85 Spur, 415 ft. above canyon, projects NE.; enter dense pine timber, bears NE. and SW. Descend abruptly over N. slope into Argyle Canyon.

40.00 On steep N. slope, 160 ft. below spur.

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

¼

S14 | S13

1919

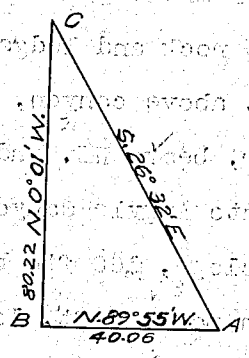
from which

A pine, 5 ins.diam.,bears S. 73°30'E., 74 lks. dist.,marked ¼ S 13 B T

A pine, 8 ins.diam.,bears S.88°15'W., 64 lks. dist.,marked ¼ S 14 B T

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Continue steep descent over N. slope.
52.40	Enter bottom of Argyle Canyon and leave timber, bears NW. and SE.; enter high sage and greasewood undergrowth. Thence across canyon.
55.30	Argyle Creek, in canyon, 10 lks. wide, 4 ins. deep, good water, 500 ft. below ¼ sec. cor., course NE. Cottonwood timber and willow undergrowth along creek. Ascend
57.53	N. side of bottom of Argyle Canyon, enter pinon, pine and cedar timber, bears E. and W. Base of precipitous ascent over ledges, boulders and slope of Argyle Canyon up which it is impracticable to chain; vertical angle to top of slope 32°30'. I triangulate as follows: Erect flag ½ lk. N.89°55'W. of ¼ sec. cor. bet. secs. 13 and 24 which I designate "A". From point "A" the cor. of secs. 13,14,23 and 24 which I designate "B" bears N.89°55'W., 40.06 chs. distant; I set transit on line N.0°01'W. of the cor. of secs. 13,14,23 and 24 at point which I designate "C". From point "C", point "A" bears S.26°32'E. All bearings are checked by direct reading of the solar, and angles checked by deflection.



Distance by triangulation = 80.22 chs.
Distance by return measurement = .22
80.00 chs.

80.00	On steep SE. slope of mountain and break of Canyon, 815 ft. above bottom.
	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

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS

T11S	R12E
S11	S12
S14	S13

1919

from which

A pine, 15 ins.diam.,bears N.61°15'E., 115 lks. dist.,marked T 11 S R 12 E S 12 B T

A pinon, 9 ins.diam.,bears S.50°E., 77 lks. dist.,marked T 11 S R 12 E S 13 B T

A pine, 7 ins.diam.,bears S.77°30'W., 51 lks. dist.,marked T 11 S R 12 E S 14 B T

A mahogany, 6 ins.diam.,bears N.53°15'W., 52 lks. dist.,marked T 11 S R 12 E S 11 B T

Land, rough mountains with general N. and S. exposure and drainage to Argyle Canyon which drains E.

Soil, brown loam, blue clay and loose limestone shale rock; sub-soil, hard, moist clay and rock.

Timber, pine, pinon, cedar and aspen. Cottonwood along Argyle Creek.

Undergrowth, sage, service berry, buck, greasewood and deer brush. Good grazing on S. 57.00 chs.

S.89°55'E., on a random line bet. secs. 12 and 13.

The line cast passes over break of Argyle Canyon, high ledges and steep shale slopes. Being unable to triangulate, I offset and run traverse as follows:

S.0°01'E., 22.47 chs., thence

N.71°00'E., 14.00 chs., thence

N.50°59'E., 30.29 chs., thence

South, 1.21 chs. to true random line at

36.79 Thence S.89°55'E.

40.00 Set temp. ¼ sec. cor.

80.10 Intersect E. bdy. of the tp., 5 lks. S. of the cor. of secs. 12 and 13 heretofore described.

Thence

N.89°57'W., on true line bet. secs. 12 and 13.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Over rough mountainous land through dense pine, pinon and cedar timber, service berry, buck and sagebrush. Gradually ascend.
1.10	Spur, projects S.10°W.; descend abruptly W. slope.
10.10	Canyon, 450 ft. below spur, drains S.30°E.; ascend abruptly E. slope over loose shale rock and small ledges.
28.10	Spur, 450 ft. above canyon, projects S.; descend abruptly W. slope 300 ft. to
40.05	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S12/S13 1919 from which A pine, 6 ins.diam.,bears N.51°E., 42 lks. dist.,marked ¼ S 12 B T A pine, 6 ins.diam.,bears S9½°W., 29 lks. dist.,marked ¼ S 13 B T
	Continue steep descent over ledges.
43.31	Bottom of canyon and wash, 30 lks. wide, 3 ft. deep, 185 ft. below ¼ sec. cor., drains S.40°W.; leave dense timber, bears N. and S.
	Thence by traverse North, 1.21 chs., S.50° 59'W.30.29 chs. S.71°W., 14.00 chs., N.0°01'W., 22.47 chs. to
80.10	The cor. of secs. 11,12,13 and 14.
	Land, high, rugged mountains with steep E. and W. slopes of ridges and spurs into canyons draining S. Soil, loose limestone shale rock and rocky; sub-soil, light blue clay, packed hard and dry. Timber, pine, pinon and cedar. Undergrowth, service berry, sage and buck brush. Poor grazing.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	N.0°01'W., bet. secs. 11 and 12.
	Over rolling mountainous land through pine, pinon, cedar and scrub mahogany timber, scattering sage and service berry undergrowth. Ascend SE. slope.
4.30	Spur, 65 ft. above sec. cor., projects SW.; thence along general W. slope.
26.00	Swale, 20 ft. below spur, drains S.30°W.; ascend.
37.25	Spur, 55 ft. above swale, projects S.20°E.about 7 chs., thence S.; gradually descend.
40.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S11 | S12 1919
	from which
	A pine, 12 ins.diam.,bears N.4° 30'W., 342 lks. dist., marked ¼ S 11 B T
	No other trees are available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
46.95	Draw, 75 ft. below ¼ sec. cor., drains S.60°E.; ascend abruptly.
58.20	Spur, 105 ft. above draw, projects S.70°E.; descend abruptly over N. and NE. slopes.
77.65	Canyon, 405 ft. below spur, drains SE.; ascend abruptly over ledges.
79.40	Ledge, 40 ft. high, bears NW. and SE.
80.00	On steep, rocky and ledgy SW. slope, 145 ft. above canyon.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1,2,11 and 12, with brass cap marked
	T11S | R12E S2 | S1 S11 | S12 1919

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	from which
	A pine, 10 ins.diam.,bears N.85°E., 35 lks. dist.,marked T 11 S R 12 E S 1 B T
	A pine, 8 ins.diam.,bears S.11°30'E., 18 lks. dist.,marked T 11 S R 12 E S 12 B T
	A cedar, 6 ins.diam.,bears N.76°15'W., 76 lks. dist.,marked T 11 S R 12 E S 2 B T
	No other suitable trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling mountainous in the S.½ and rough in the N. ½ mile.; general E. exposure and drainage .
	Soil, shallow brown loam, blue clay and rocky of sandstone and limestone formation; sub-soil, hard, moist clay and rock.
	Timber, pine, pinon, cedar and mahogany.
	Undergrowth, scattering sage and service berry brush. Good grazing.
	S.89° 57'E. on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect E. bdy. of the tp. 5 lks. S. of the true cor. point for cor. of secs. 1 and 12 heretofore described.
	Thence
	N.89°59'W., on true line bet. secs. 1 and 12.
	Over rough mountainous land through pine, pinon and cedar timber and undergrowth of service berry, buck and sagebrush. Descend abruptly over ledges.
1.00	Bottom of canyon and small stream, alkali water, 50 ft. below cor. point, course S.; ascend abruptly over shale slopes.
14.00	Spur, 300 ft. above canyon, projects S.; descend.
28.00	Draw, 125 ft. below spur, course S.; ascend.
35.00	Spur, 150 ft. above draw, projects S.; descend abruptly SW. slope 100 ft. to
40.01	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	the ground on solid rock and 10 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S1 / S12 / 1919
	from which
	A pinon, 12 ins.diam.,bears S.22°30'E., 11 lks. dist.,marked ½ S 12 B T
	A pine, 12 ins.diam.,bears N.29°45'W., 92 lks. dist.,marked ¼ S 1 B T
	Continue steep descent.
42.40	Canyon, 65 ft. below ¼ sec. cor., drains S.; ascend abruptly over shale slope.
48.00	Spur, 215 ft. above canyon, projects S.15°E.; descend abruptly over steep S. and W. slopes.
62.00	Canyon, 315 ft. below spur, drains S.; ascend abruptly.
72.00	Spur, 250 ft. above canyon, projects S.25°E.; thence along rough, broken south slope to
80.02	The cor. of secs. 1,2,11 and 12.
	Land, rough mountainous; general S. exposure and drainage.
	Soil, loose shale rock, rocky and brown and blue clay; sub-soil, hard, dry clay and rock.
	Timber, pinon, cedar and pine.
	Undergrowth, service berry, buck, mahogany and sagebrush. Poor grazing.
	N.0°01'W., on true line bet. secs. 1 and 2.
	Over rough mountainous land through pinon, cedar and pine timber and service berry undergrowth. Ascend abruptly S. slope of high divide.
32.00	Top of ridge divide between Uintah Basin and Argyle Canyon, 830 ft. above sec. cor., bears N.80°W. and NE.; leave timber, descend abruptly over N. slope.
37.60	Enter pine and aspen timber, bears , NE. and SW.
40.00	On steep N. slope, 220 ft. below divide.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

SUBDIVISION OF T.11 S., R.12 E.

CHAINS

$\frac{1}{4}$

S2 | S1

1919

from which

A pine, 8 ins.diam., bears N.66°15'E., 44 lks. dist., marked $\frac{1}{4}$ S 1 B T

A pine, 8 ins.diam., bears N.77°15'W., 17 lks. dist., marked $\frac{1}{4}$ S 2 B T

Continue descent.

42.62 Intersect S. bdy. of the Uintah Indian Reservation.

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

UIR

T11S | R12E

S2 | S1

CC

1919

from which

A pine, 4 ins.diam., bears S.65°E., 19 lks. dist., marked C C T 11 S R 12 E S 1 B T

A pine, 12 ins.diam., bears S.43°W., 42 lks. dist., marked C C T 11 S R 12 E S 2 B T

From this closing cor. the $\frac{1}{2}$ mile cor. between the 55th. and 56th. mile cors. on the bdy. and which is a sandstone, 10 x 8 x 3 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, bears S.88°45'E., 10.60 chs. distant.

From this closing cor., the 56th. mile cor. on the bdy. which is a pine post, 6 ins. square, extending 24 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, bears N.88° 45'W., 30.00 chs. distant.

Note: The tie to the 56 th. mile cor. was made to eliminate a large closing error in sec. 2.

Land, high, rough mountains; general N. and S. exposure

CHAINS	
	and drainage from high ridge divide.
	Soil, loose shale rock, rocky and light brown and blue clays; sub-soil, moist clay and rock. Limestone formation.
	/Timber, pinon, cedar and pine.
	/Undergrowth, service berry and buck brush. Poor grazing.
	From the cor. of secs. 25,26,35 and 36.
	West, on Sectional Correction Line, bet. secs. 26 and 35.
	Over rolling mountain top through scattering pine and aspen timber and dense sagebrush undergrowth. Gradually ascend.
19.90	Top of Argyle Ridge and divide between Argyle and Minnie Maude Canyons, 90 ft. above sec. cor., bears N. and S.; gradually descend.
24.90	Leave scattering and enter dense timber, bears N. and S.
28.30	Leave mountain top and begin steep descent over W. and SW. slopes, bears N. and S.
30.40	Leave dense and enter scattering timber, bears N. and S.
40.00	On steep W. slope, 510 ft. below divide.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S26 / S35 / 1919
	from which
	A pine, 10 ins. diam., bears S.66°15'W., 78 lks. dist., marked ¼ S 35 B T
	A pine, 10 ins. diam., bears N.35°15'W., 106 lks. dist., marked ¼ S 26 B T
	Continue steep descent.
49.80	Draw, 390 ft. below ¼ sec. cor., drains NW.; enter dense timber, bears NW. and SE. Ascend NE. slope.
55.00	Spur, about level with draw, projects NW.; descend abruptly over SW. slope.
63.70	Leave dense and enter scattering timber, bears N. and S.
73.70	Enter dense aspen timber, bears N. and S.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
76.50	Bottom of Fork of Lower Water Hollow and stream, 3 lks. wide, 2 ins. deep, good water, 540 ft. below spur, course S.; ascend abruptly E. slope.
79.90	Leave dense aspen timber, bears N. and S.
80.00	On steep SE. slope 100 ft. above Water Hollow. 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

T11S	R12E
S27	S26
S34	S35

1919

from which

An aspen, 8 ins. diam., bears N. 58°10'E., 12 lks. dist., marked T 11 S R 12 E S 26 B T

An aspen, 5 ins. diam., bears S. 58°E., 46 lks. dist., marked T 11 S R 12 E S 35 B T

A pine, 10 ins. diam., bears N. 39°10'W., 208 lks. dist., marked T 11 S R 12 E S 27 B T

No other trees available.

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

Land, E. 28.30 chs. rolling mountain top, drains E. on the E. 19.90 chs. and W. on W. 8.40 chs.; remainder of mile, rough mountainous with steep E. and W. slopes into canyon which drains S.

Soil, moist brown loam, mixed with gravel and streaked with rock; sub-soil, moist brown loam and rock; limestone formation.

Timber, pine and aspen.

Undergrowth, sage and service berry brush. Good grazing.

S. 0°13'E., on a random line bet. secs. 34 and 35.

40.00 Set temp. ¼ sec. cor.

78.35 Intersect S. bdy. of the tp., 2 lks. E. of the cor. of secs. 34 and 35 heretofore described.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Thence
	N.0°12'W., on true line bet. secs. 34 and 35.
	Over rough mountainous land through dense pine timber and undergrowth of sage, service berry and buck brush.
	Descend over N. slope.
2.25	Canyon, 20 ft. below cor., drains SW.; leave dense and enter scattering timber, bears E. and W. Ascend abruptly.
15.35	Spur, 300 ft. above canyon, projects S.10°W.; descend.
19.05	Enter dense pine timber, bears E. and W.
26.55	Ravine, 90 ft. below spur, drains W.; leave dense and enter scattering timber, bears E. and W.; thence along W. slope.
38.35	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S34 | S35 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
42.05	Draw, drains SW.; ascend abruptly over S. slope.
47.35	Point of spur, 125 ft. above draw, projects W.; descend.
57.15	Enter scattering aspen timber, bears E. and W.
62.15	Bottom of Lower Water Hollow (Right Hand Fork) and stream, 3 lks. wide, 2 ins. deep, good water, 185 ft. below spur, course SW.
66.95	Same stream, course at bend from NE. to SE.; ascend abruptly over SE. slope 210 ft. to
78.35	The cor. of secs. 26,27,34 and 35.
	Land, mountainous; general S. exposure and drainage.
	Soil, moist brown loam, streaked with gravel and rock; sub-soil, brown clay loam and rock.
	Timber, scattering patches of pine and aspen.
	Undergrowth, dense sage, service berry and buck brush. Good grazing.

N.0°01'W., bet. secs. 26 and 27.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	Over rough mountainous land through scattering pine and cedar timber; sage and service berry undergrowth. Ascend along steep E. slope of ridge.
10.00	Sandstone ledge, 25 ft. high, bears NE. and SW.
19.80	Spur, 385 ft. above sec. cor., projects S.70°E. about 6 chs. to canyon; descend along steep E. slope.
22.50	Large wash, drains S.80°E. about 5 chs. to canyon; ascend abruptly SE. slope.
34.25	Spur, 110 ft. above wash, projects E. about 5 chs.; enter dense pine timber, bears E. and W.; gradually descend along E. slope.
40.00	On steep E. slope in dense pine timber. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S27 | S26

1919

from which

A pine, 14 ins.diam., bears N.76°E., 36 lks. dist., marked ¼ S 26 B T

A pine, 14 ins.diam., bears S.33°45'W., 60 lks. dist., marked ¼ S 27 B T

42.20	Draw, 15 ft. below ¼ sec. cor., drains SE.; leave dense pine timber and begin ascent over western slope of high spur projecting S.
66.50	Head of draw draining S.10°W., bears W. about 2 chs. distant., begin abrupt ascent over S. slope.
80.00	On S. brink of top of Argyle Ridge, 720 ft. above draw. 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

T11S	R12 E
S22	S23
S27	S26

1919

from which

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	A pine, 8 ins.diam., bears N.27°45'E., 156 lks. dist., marked T 11 S R 12 E S 23 B T
	A pine, 6 ins.diam., bears S.28°15'E., 155 lks. dist., marked T 11 S R 12 E S 26 B T
	A pine, 18 ins.diam., bears S.45°45'W., 113 lks. dist., marked T 11 S R 12 E S 27 B T
	A pine, 12 ins.diam., bears N.28°15'W., 176 lks. dist., marked T 11 S R 12 E S 22 B T
	Land, rough mountainous; general S. exposure and drainage.
	Soil, moist brown loam, streaked with gravel and rock of limestone and sandstone formation; sub-soil, moist clay loam and rock.
	Timber, pine, aspen and scattering cedar.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	East, on a random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line 2 lks. S. of the cor. of secs. 23, 24,25 and 26.
	Thence
	S.89°59'W., on true line bet. secs. 23 and 26.
	Over rolling mountain top, through dense sagebrush undergrowth. Gradually descend over NW. slope.
4.30	Enter dense pine and aspen timber, bears NE. and SW.
10.00	Leave timber, enter dense sagebrush, bears N. and S.
18.00	Draw, 50 ft. below sec. cor., drains NE.; ascend.
30.75	Leave sagebrush and enter dense pine and aspen timber and buckbrush undergrowth, bears NE. and SW.
34.50	Ridge, 180 ft. above draw, bears N. and S.; gradually descend.
39.96	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S23/S26 1919
	from which

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	A pine, 6 ins. diam., bears S.20°E., 41 lks. dist., marked ¼ S 26 B T
	A pine, 14 ins. diam., bears N.12°30'E., 79 lks. dist., marked ¼ S 23 B T
54.45	Head of draw, 96 ft. below ridge, drains N.
	The top of Argyle Ridge which bears about N.85°W. and SE., bears S. about 3 chs.; ascend along N. slope of ridge.
66.10	Leave dense timber, bears NE. and SW.
78.75	Top of Argyle Ridge and divide between Argyle and Minnie Maude Canyons, 200 ft. above draw, bears N.80°W. and S.80°E.; gradually descend.
79.92	The cor. of secs. 22,23,26 and 27.
	Land, rolling mountainous; general N. exposure and drainage.
	Soil, brown loam, mixed with gravel; sub-soil, moist brown clay loam and gravel.
	Timber, pine and aspen.
	Undergrowth, dense sage and scattering buck and service berry brush. Good grazing.
	N.0°01'W., bet. secs. 22 and 23.
	Over mountainous land through dense sagebrush undergrowth.
	A few scattering pines on both sides of line.
	Ascend S. slope of Argyle Ridge.
1.20	Top of Argyle Ridge and divide between Argyle and Minnie Maude Canyons, 15 ft. above sec. cor., bears E. and W.
	Thence over rolling mountain top.
5.20	Enter dense pine timber, bears E. and W.
9.40	Begin descent over NW. slope.
30.70	Draw, 235 ft. below divide, drains N.10°E.; thence along general E. slope.
40.00	On gentle E. slope, 15 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS

$\frac{1}{4}$

S22 | S23

1919

from which

A pine, 14 ins.diam.,bears N.76°15'E., 60 lks. dist.,marked $\frac{1}{4}$ S 23 B T

A pine, 20 ins.diam.,bears S.59°30'W., 13 lks. dist.,marked $\frac{1}{4}$ S 22 B T

42.80 Leave dense timber and enter dense undergrowth, bears N.30°E. and SW.

64.75 Spur, 90 ft. above $\frac{1}{4}$ sec. cor., projects N.70°E. about 6 chs., thence NE.; enter dense young aspen timber, bears E. and W. Descend abruptly over N. and NE. slopes

80.00 On NE. slope, 245 ft. below spur.

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

T11S	R12E
S15	S14
S22	S23

1919

from which

A pine, 8 ins.diam.,bears N.17°E., 56 lks. dist.,marked T 11 S R 12 E S 14 B T

A pine, 10 ins.diam.,bears S.68°45'E., 36 lks. dist.,marked T 11 S R 12 E S 23 B T

A pine, 8 ins.diam.,bears S.37°45'W., 76 lks. dist.,marked T 11 S R 12 E S 22 B T

A pine, 8 ins.diam.,bears N.81°30'W., 94 lks. dist.,marked T 11 S R 12 E S 15 B T

Land, mountainous; general N. exposure and drainage.

Soil, moist brown clay loam, streaked with gravel and rock; sub-soil, moist clay loam and gravel.

Timber, aspen and pine.

Undergrowth, dense sage, service berry and buck brush. Good grazing.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	N.89°59'E., on a random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 14 lks. S. of the cor. of secs. 13,14,23 and 24.
	Thence
	S.89°53'W., on true line bet. secs. 14 and 23.
	Over rough mountainous land through dense undergrowth of sage and service berry brush.
.50	Top of spur, projects N.15°E.; descend abruptly over NW. slope.
1.00	Enter dense pine and scattering aspen timber, bears NE. and S.
16.15	Canyon, 300 ft. below spur, drains NE.; leave dense timber, bears NE. and SW. Ascend precipitous SE. slope over shale rock and ledges.
32.85	Spur, 550 ft. above canyon, projects S.10°E.; descend abruptly.
36.45	Draw, 85 ft. below spur, drains SE.; ascend abruptly.
40.02	On SE. slope, 145 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S14/S23 1919
	from which
	A pinon, 8 ins.diam.,bears S.67°15'W., 46 lks. dist.,marked ¼ S 23 BT
	A pine, 10 ins.diam.,bears N.7°15'W., 129 lks. dist.,marked ¼ S 14 B T
	Continue ascent.
44.20	Top of spur on point of ledge about 25 ft. high, bears NE. and NW., spur projects S.20°E., 120 ft. above ¼ sec. cor.; descend abruptly SW. slope.
49.20	Draw, 55 ft. below spur, drains S.15°E.; ascend abruptly E. slope.
51.35	Top of ledge, 25 ft. high, bears N. and S.
52.00	Point of spur, 100 ft. above draw, projects S.30°E.;

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	thence along steep S. slope.
55.45	Draw, 30 ft. below spur, drains SE.; ascend abruptly E. slope covered with loose shale rock.
59.60	Top of steep ascent, leave shale rock and enter scattering pine timber and dense service berry and buck brush undergrowth, bears NE. and SW.
62.55	Spur, 215 ft. above draw, projects NE.; enter dense pine and scattering aspen timber, bears NE. and SW.; gradually descend over NW. slope.
79.00	Draw, 130 ft. below spur, drains N.10°E.; ascend 10 ft.
80.04	The cor. of secs. 14,15,22 and 23.
	Land, high, rough, rugged mountains, general N. exposure and drainage.
	Soil, loose shale rock and blue clay and occasional patches of brown loam; sub-soil, moist clay and rock; limestone formation.
	Timber, pine, pinon and aspen.
	Undergrowth, sage, service berry and buck brush. Good grazing on eastern and western portions of mile.
	N.0°01'W., bet. secs. 14 and 15.
	Over rough mountainous land through dense young aspen and scattering pine timber, service berry and deer brush undergrowth. Descend over general N. slope.
20.80	Flat topped spur, projects N.5°E.; continue descent.
23.25	Head of spring on top of spur, good water, course N., bears E. 25 lks. distant. Begin precipitous descent over N. and NW. slopes. Leave dense timber, bears NE. and SW.
33.60	Enter aspen timber, bears NE. and SW.
36.50	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 905 ft. below sec. cor., course N.70°E. about 10 chs., thence NE.; ascend abruptly rocky SE. slope.
38.00	Leave aspen timber, enter scattering pinon and cedar timber, bears E. and SW.
40.00	On steep SE. shale slope, 100 ft. above canyon.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS

Set an iron post, 3 ft. long, 1 in. in dia., 22 ins. in the ground to solid rock and in a mound of stone for ¼ sec. cor., with brass cap marked

¼

S15 | S14

1919

from which

An aspen, 4 ins.diam.,bears S.10°30'E., 170 lks. dist.,marked ¼ S 14 B T

An aspen, 4 ins.diam.,bears S.16°30'W., 188 lks. dist.,marked ¼ S 15 B T

Continue ascent.

57.25 Spur, 320 ft. above ½ sec. cor., projects NE.; descend over N. and NW. slopes.

59.50 Leave pine and cedar, enter dense aspen timber, bears NE. and SW.

68.35 Leave timber bears W. and SE., also head of draw, drains N.20°W. about 5 chs., thence N. Thence along W. slope through dense undergrowth.

80.00 On NW. slope, 330 ft. below spur.

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

T11S S10	R12E S11
S15	S14

1919

from which

A pine, 20 ins.diam.,bears N.56°W., 185 lks. dist.,marked T 11 S R 12 E S 10 B T

No other trees are available.

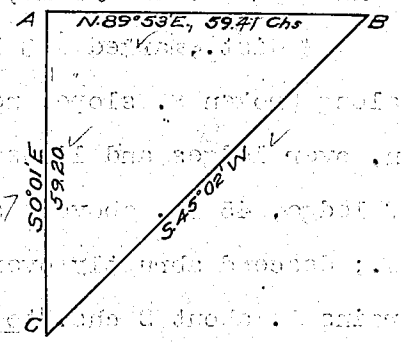
Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rough mountainous, general N. exposure and drainage.

Soil, brown loam, gravelly and rocky of limestone

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	formation; sub-soil, moist, light brown clay and rock.
	Timber, aspen, pine, pinon and cedar.
	Undergrowth, sage, service berry, deer and buck brush.
	Good grazing.
	N.89°53'E., on a random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
	Base of precipitous E. break of mountain, impossible to chain. To make a triangulation to top of break I designate the cor. of secs. 10,11,14 and 15 point A and set a flag B on line at east triangulation point, I also set flag C S.0°01'E., 59.20 chs. distant from point A. The line AB bears N.89°53'E.; line BC bears S.45°02'W. and line AC bears N.0°01'W., 59.20 chs. All bearings checked by direct reading of the solar, and angles checked by deflection.



	Distance of triangulation to top of break of mountain is 59.41 chs.
	Continue N.89°53'E.
79.85	Intersect N. and S. line 14 lks. N. of the cor. of secs. 11,12,13 and 14.
	Thence S.89°59'W., on true line bet. secs. 11 and 14.
	Over rough mountainous land through dense pinon, cedar pine and scrub mahogany timber and undergrowth of service berry and buck brush. Ascend along S. point of break of mountain.
1.55	Top of ascent, bears N. and S., 30 ft. above cor.; desc. over SW. slope.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
12.05	Draw, at brink of mountain top, 115 ft. below top of ascent, drains S.; gradually ascend.
19.95	Top of ascent, 100 ft. above draw, bears N. and S.; descend.
20.44	Top of ledge and break of mountain, bears NW. and SE.; descend precipitous break of mountain 600 ft. Point of triangulation.
39.92½	On steep S. shale and rocky slope. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S11 / S14 / 1919 from which A pine, 36 ins. diam., bears N.12°15'E., 131 lks. dist., marked ¼ S 11 B T. An aspen, 5 ins. diam., bears S.51°45'E., 70 lks. dist., marked ¼ S 14 B T. Thence along broken S. slope, near bottom of Argyle Canyon, over ledges and limestone shale rock.
45.80	Point of ledge, 45 ft. above ¼ sec. cor., bears NE. and NW.; descend abruptly over SW. slope.
50.45	Draw, drains S. about 2 chs. to Argyle Creek; leave timber and enter greasewood undergrowth, bears NW. and SE. Thence across bottom of Argyle Canyon.
53.85	Argyle Creek, 10 lks. wide, 2 ins. deep, good water, 100 ft. below spur, course S.60°E.; gradually ascend.
56.70	Leave canyon bottom, and greasewood undergrowth; begin abrupt ascent over NE. slope of mountain, bears NW. and SE.
60.00	Enter scattering pine timber, bears NW. and SE.
75.05	Spur, 500 ft. above canyon, projects N.10°W.; descend over W. slope 50 ft. to
79.85	The cor. of secs. 10,11,14 and 15.
	Land, high, rough mountains with general N. and S. exposure and drainage to Argyle Canyon which drains E.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	Soil, limestone shale rock, rocky and brown and blue clays; sub-soil, dry clay and rock.
	Timber, pinon, cedar, pine, scrub mahogany and a few scattering aspen.
	Undergrowth, sage, service berry, buck and greasewood brush. Fair grazing in western portion of mile.
	N.0°01'W., bet. secs. 10 and 11.
	Over rough mountainous land through scattering pine timber and undergrowth of sage and service berry brush. Descend abruptly over NW. slope.
10.10	Draw, 275 ft. below sec. cor., drains NE. about 4 chs., thence N.; ascend abruptly over SE. slope.
12.50	Spur, 35 ft. above draw, projects N.30°E.; leave timber and descend abruptly over N. slope into Argyle Canyon.
18.75	Enter bottom of Argyle Canyon and dense greasewood undergrowth, 245 ft. below spur, bears E. and W.
19.60	Argyle Creek, 9 lks. wide, 3 ins. deep, good water, course SE.; gradually ascend.
22.15	Leave canyon and greasewood undergrowth, enter pinon, cedar and pine timber, bears N.60°E. and S.60°W. Ascend abruptly S. slope covered with shale rock.
28.90	Ledge, 10 ft. high, bears NE. and SW.
33.90	Spur, 360 ft. above creek, projects SW.; thence along broken W. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ½ S10 | S11 1919 from which A pinon, 10 ins. diam., bears N.41°E., 355 lks. dist., marked ¼ S 11 B T A pine, 10 ins. diam., bears S.73°W., 260 lks. dist., marked ¼ S 10 B T
59.20	Point of spur, 48 ft. above ½ sec. cor., projects W.;

Subdivision of T.11 S., R.12 E.

CHAINS	
	descend abruptly over NW. slope.
61.20	Bottom of junctions of draws from NE. and NW,, drains S.60°W. for 2 chs., thence S.10°W., 90 ft. below spur; ascend abruptly SW. slope over small ledges.
77.20	Spur, 420 ft. above draws, projects S.20°E.; thence along steep E. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for cor. of secs. 2,3,10 and 11, with brass cap marked

T11S	R12E
S3	S2
S10	S11

1919

from which

A pine, 15 ins.diam.,bears N.20°15'E., 97 lks. dist.,marked T 11 S R 12 E S 2 B T

A pine, 14 ins.diam.,bears S.36°E., 91 lks. dist.,marked T 11 S R 12 E S 11 B T

A pine, 10 ins.diam.,bears S.16°W., 109 lks. dist.,marked T 11 S R 12 E S 10 B T

A pine, 18 ins.diam.,bears N.76°30'W., 18 lks. dist.,marked T 11 S R 12 E S 3 B T

Land, rough mountainous with general N. and S. exposures and drainage to Argyle Canyon which drains E.

Soil, brown clay loam, limestone shale rock and rocky; sub-soil, brown and blue clay and rock.

Timber, pine, pinon and cedar.

Undergrowth, sage, greasewood, service berry and buck brush. Good grazing.

N.89°59'E., on a random line bet. secs. 2 and 11.

40.00 Set temp. ¼ sec. cor.

79.83 Intersect N. and S. line at the cor. of secs. 1,2,11 and 12.

Thence

S.89°59'W., on true line bet. secs. 2 and 11.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Over rough mountainous land through pine, scattering pinon and cedar timber, sage, service berry and buck brush undergrowth. Descend abruptly over rocky SW. slope.
.80	Ledge, 20 ft. high, bears NW. and SE.
1.85	Draw, 100 ft. below cor., drains SE.; ascend abruptly.
3.35	Same ledge, bears NE. and S.
12.85	Spur, 260 ft. above draw, projects S.15°E.; descend abruptly over W. slope.
22.45	Draw, 205 ft. below spur, drains SE. 2 chs., thence S.; ascend abruptly over E. slope.
27.20	Thence along broken S. slope.
34.95	Spur, 250 ft. above draw, projects S.; descend abruptly over W. slope 175 ft. to
39.91½	On steep W. slope covered with loose shale rock. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked $\frac{1}{4}\ \frac{S2}{S11}$ 1919 from which A pine, 10 ins.diam.,bears S.29°30'W., 96 lks. dist.,marked ¼ S 11 B T A pinon, 18 ins.diam.,bears N.11°W., 42 lks. dist.,marked ¼ S 2 B T
	Continue steep descent.
45.65	Canyon, 235 ft. below ¼ sec. cor., drains S.; ascend abruptly over steep E. and SE. slopes.
59.85	Spur, 450 ft. above canyon, projects S.; descend precipitous W. and SW. slopes.
70.70	Draw, 450 ft. below spur, drains S.30°W.; ascend abruptly over ledges.
72.85	Spur, 125 ft. above draw, projects S.; descend abruptly.
76.55	Canyon, 70 ft. below spur, drains S.10°E. about 15 chs. thence SW.; ascend abruptly over E. slope 160 ft. to
79.83	The cor. of secs. 2,3,10 and 11.

[illegible]

[illegible]

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SUBDIVISION OF T.11 S.,R.12 E.

CHAINS

Boundary of Uintah Indian Reservation.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in a large mound of stone on solid rock for closing cor. of secs. 2 and 3, with brass cap marked

UIR

S3 | S2
T11S | R12E
CC
1919

from which

A pine, 24 ins.diam.,bears S.72°30'E., 536 lks. dist.,marked C C T 11 S R 12 E S 2 B T

A pine, 12 ins.diam.,bears S.30°W., 278 lks. dist.,marked C C T 11 S R 12 E S 3 B T

From this closing cor., the ½ mile cor. between the 56th. and 57th. mile cors. on the bdy. which is a pine post, 5 ins. in dia., extending 24 ins. above ground, firmly set and marked and witnessed as described by the surveyor general, bears S.73°15'E., 11.09 chs. distant.

Land, rough mountainous, general S. exposure and drainage.

Soil, brown loam and limestone shale rock; sub-soil, clay and rock.

Timber, pinon, cedar and pine.

Undergrowth, sage, service berry and buck brush. Good grazing.

From the cor. of secs. 26,27,34 and 35.

West, on Sectional Correction Line bet. secs. 27 and 34.

Over rough mountainous land through scattering aspen, cedar and pinon timber and undergrowth of sage, deer, service berry and buck brush. Ascend abruptly E. slope.

9.10 Spur, 435 ft. above sec. cor., projects SE.; descend abruptly over SW. slope.

28.80 Enter dense aspen timber, bears N. and S.

32.55 Bottom of Left Hand Fork of Lower Water Hollow and stream, 3 lks. wide, 1 in. deep, good water, 435 ft. below spur, course SE.; ascend abruptly NE. slope.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	REMARKS
40.00	190 ft. above canyon.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S27 / S34 / 1919
	from which
	A pine, 10 ins.diam.,bears S.12°30'W., 16 lks. dist.,marked ¼ S 34 B T
	A pine, 10 ins.diam.,bears N.39°30'W., 17 lks. dist.,marked ¼ S 27 B T
42.10	Leave dense timber, bears N. and S.
53.60	Enter dense pine timber, bears N. and S.
54.30	Spur, 325 ft. above ¼ sec. cor., projects N.; descend abruptly over NW. slope.
60.90	Head of draw, 120 ft. below spur, drains NE.; leave dense timber, bears NE. and SW.
75.30	Spur, 510 ft. above draw, projects N.; descend along N. slope.
76.50	Enter dense pine and scattering aspen timber, bears N.and S.
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
	T11S S28 | R12E S27 / S33 | S34 / 1919
	from which
	A pine, 6 ins.diam.,bears N.17°30'E., 56 lks. dist.,marked T11 S.,R 12 E S 27 B T
	A pine, 14 ins.diam.,bears S.56°30'E., 17 lks. dist.,marked T 11 S R 12 E S 34 B T
	A pine, 6 ins.diam.,bears S.85°W., 32 lks. dist.,marked T 11 S R 12 E S 33 B T
	A pine, 5 ins.diam.,bears N.55°W., 41 lks. dist.,marked T 11 S R 12 E S 28 B T

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Land, rough mountainous, general S. exposure on eastern portion and northern exposure and western portion of mile. General drainage SE.
	Soil, moist brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, brown clay loam and rock.
	Timber, pine, aspen, cedar and pinon.
	Undergrowth, sage, service berry, buck and deer brush.
	Good grazing.
	S.0°12'E., on a random line bet. secs. 33 and 34.
40.00	Set temp. ¼ sec. cor.
77.40	Intersect S. bdy. of the tp. at the cor. of secs. 33 and 34 heretofore described.
	Thence
	N.0°12'W., on true line bet. secs. 33 and 34.
	Over rough mountainous land, through dense pine timber and undergrowth of service berry and sagebrush. Descend over NE. slope.
9.90	Bottom of canyon, 125 ft. below sec. cor., drains S.25°E.; leave dense and enter scattering timber, bears N.10°W. and S.30°E. Ascend abruptly SW. slope.
24.00	Spur, 265 ft. above canyon, projects W. about 10 chs.; descend over NW. slope.
30.75	Draw, 80 ft. below spur, drains SW. about 10 chs., thence S.10°E.; ascend abruptly over S. slope 240 ft. to
37.40	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼

S33 | S34

1919

from which

A pinon, 8 ins.diam.,bears S.64°30'E., 73 lks. dist.,marked ¼ S 34 B T

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	A pinon, 18 ins.diam.,bears N.54°W., 64 lks. dist.,marked ¼ S 33 B T
40.45	Spur, 335 ft. above draw, projects S.30°W.; descend over NW. slope.
47.60	Draw, 105 ft. below spur, drains SW. about 15 chs. thence S.; ascend precipitous S. slope over ledges and boulders.
68.30	Top of ridge divide between Minnie Maude Canyon and Lower Water Hollow, 795 ft. above ¼ sec. cor., bears N.80°W. and S.80°E.; enter dense large pine timber, bears E. and W. Descend abruptly over N. slope 285 ft. to
77.40	The cor. of secs. 27,28,33 and 34.
	Land, rough mountainous with general N. and S. exposure and drainage from divide at 68.30 chs.
	Soil, brown loam, limestone shale rock and clay; subsoil, moist clay loam and rock.
	Timber, pine, pinon, cedar and scattering aspen.
	Undergrowth, service berry, buck and sage brush. Fair grazing.
	N.0°02'W., bet. secs. 27 and 28.
	Over rough mountainous land through dense pine and aspen timber and service berry undergrowth. Descend abruptly over N. slope.
9.10	Draw, 360 ft. below sec. cor., drains N.30°E.; ascend over SE. slope.
20.00	Leave timber and enter sagebrush opening, bears NE. and SW.
24.10	Spur, projects NE.; descend abruptly over N. slope.
24.75	Leave opening and enter dense pine and aspen timber, bears E. and W.
32.20	Bottom of Left Hand Fork of Lower Water Hollow, 150 ft. below spur, course S.50°E.; leave dense timber, bears E. and W.; ascend abruptly over S. slope.
40.00	On steep S. slope, 290 ft. above hollow.
	Set an iron post, 3 ft. long, 1 in. in dia., 18 ins.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS

in the ground on solid rock and 8 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼
S28 | S27
1919

from which

A pine, 20 ins.diam., bears N.42°E., 55 lks. dist., marked ¼ S 27 B T

A pine, 15 ins.diam., bears S.38°W., 117 lks. dist., marked ¼ S 28 B T

58.50 Spur, 495 ft. above hollow, projects SE.; dense pine timber E. of line. Gradually descend along E. slope.

69.50 Draw, drains SE.; ascend over S. slope.

73.40 Spur, 65 ft. above draw, projects N.60°E.; thence along steep E. slope.

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

T11S | R12E
S21 | S22
S28 | S27
1919

from which

A pine, 8 ins.diam., bears N.¼°E., 230 lks. dist., marked T 11 S R 12 E S 22 B T

A pine, 8 ins.diam., bears S.8°15'E., 357 lks. dist., marked T 11 S R 12 E S 27 B T

A pine, 8 ins.diam., bears N.55°30'W., 265 lks. dist., marked T 11 S R 12 E S 21 B T

No other trees are available.

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

Land, rough mountainous with general N. and S. exposure and drainage to Water Hollow which drains E.

Soil, moist brown loam, gravelly and rocky of limestone and s andstone formation; subsoil, moist clay and rock.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	Timber, pine and aspen. Very scattering in northern portion of mile.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	East on a random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line 16 lks. S. of the cor. of secs. 22,23,26 and 27.
	Thence
	S.89°53'W., on true line bet. secs. 22 and 27.
	Over rough mountainous land through scattering pine timber, sage, service berry brush and grass undergrowth. Descend along abrupt SW. slope from top of Argyle Ridge.
12.30	Head of draw, 230 ft. below cor., drains S.20°W.; ascend SE. slope.
19.00	Spur, 25 ft. above draw, projects S.30°W.; descend abruptly over W. slope.
26.40	Enter dense pine timber, bears N. and S.
30.60	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 325 ft. below spur, course SW.; ascend abruptly over SE. slope.
31.75	Leave dense timber, bears NE. and SW.
40.05	On E. slope of spur, 240 ft. above canyon.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S22 / S27 / 1919
	from which
	A pine, 9 ins. diam., bears N.78°15'E., 144 lks. dist., marked ¼ S 22 B T
	A pine, 12 ins. diam., bears S.56°45'E., 143 lks. dist., marked ¼ S 27 B T
	Continue ascent.
56.75	Spur, near junction with Argyle Ridge, 335 ft. above ¼

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	sec. cor., projects S.; descend SW. slope.
73.00	Draw, 275 ft. below spur, drains S.30°E.; ascend over E. slope, 190 ft. to
80.10	The cor. of secs. 21,22,27 and 28.
	Land, rough mountainous, general S. exposure and drainage.
	Soil, shallow brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay loam and rock.
	Timber, pine and aspen. Dense on eastern portion of mile, scattering in the western portion.
	Undergrowth, sage and service berry brush. Good grazing.
	N.0°02'W., bet. secs. 21 and 22.
	Over rough mountainous land through scattering pine timber, sage and service berry brush undergrowth.
	Ascend abruptly over SE. slope.
7.75	Top of Argyle Ridge and divide between Argyle Canyon and Lower Water Hollow, 145 ft. above cor., bears NE. and SW.; enter dense pine timber and begin descent over NW. slope.
25.85	Draw, 435 ft. below divide, drains NW. about 5 chs., thence N.; thence along general W. slope.
40.00	On W. slope, 465 ft. below divde.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S21 | S22 1919
	from which
	A pine, 10 ins. diam.;bears S.53°45'E., 31 lks. dist.,marked ¼ S 22 B T
	A pine, 12 ins.diam.,bears N.26°45'W., 106 lks. dist.,marked ¼ S 21 B T
47.35	Leave dense and enter scattering timber, bears E. and W. Begin descent over NW. slope.
56.00	Enter dense pine timber, bears NW. and SE.
61.70	Bottom of canyon and stream, 1 lk. wide, 1 in. deep,

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	good water, 375 ft. below ¼ sec. cor., course N.30°E.; ascend along steep eastern slope.
65.25	Leave dense pine timber and enter scattering aspen timber and dense service berry brush, bears N.30°E. and S.30°W.
80.00	On E. slope, 225 ft. above canyon.
	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

T11S S16	R12E S15
S21	S22

1919

from which

A pine, 24 ins.diam.,bears N.39°45'E., 95 lks. dist.,marked T 11 S R 12 E S 15 B T

A pine, 8 ins.diam.,bears S.35°15'E., 106 lks. dist.,marked T 11 S R 12 E S 22 B T

A pine, 4 ins.diam.,bears N.6°45'W., 106 lks. dist.,marked T 11 S R 12 E S 16 B T

A pine, 10 ins.diam.,bears S.69°30'W., 170 lks. dist.,marked T 11 S R 12 E S 21 B T

Land, rough mountainous, with general N. and S. exposure and drainage from Argyle Ridge.

Soil, moist brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay loam and rock.

Timber, pine and aspen.

Undergrowth, sage, service berry and buck brush. Good grazing.

	N.89°53'E., on a random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.07	Intersect N. and S. line 9 lks. N. of the cor. of secs. 14,15,22 and 23.
	Thence
	S.89°57'W., on true line bet. secs. 15 and 22.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Over rough mountainous land through dense young aspen and scattering pine timber. Ascend N. and NE. slopes.
4.10	Spur, 65 ft. above cor., projects N.; leave timber, desc. abruptly over W. and NW. slopes.
14.10	Enter dense service berry undergrowth, bears N. and S.
21.00	Leave dense undergrowth and enter dense pine timber, bears N.30°W. and S.80°E.
22.00	Draw, 525 ft. below spur, drains NW.; thence along N. slope.
24.00	Begin abrupt descent over NW. slope.
24.90	Draw, 50 ft. below last draw, drains N.10°W.; ascend abruptly E. slope.
27.25	Spur, 80 ft. above draw, projects N.10°E.; descend over NW. slope.
33.60	Canyon, 90 ft. below spur, drains NE.; leave dense timber, bears NE. and SW., ascend abruptly over SE. slope.
40.03½	On steep E. slope, 200 ft. above canyon. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked $\frac{1}{4}\ \frac{S15}{S22}$ 1919 from which A pine, 7 ins.diam.,bears N.70°E., 44 lks. dist.,marked ¼ S 15 B T A pine, 12 ins.diam.,bears S.59°30'E., 156 lks. dist.,marked ¼ S 22 B T
46.00	Enter dense aspen timber, bears NE. and SW.
53.60	Spur, 265 ft. above ¼ sec. cor., projects N.10°E.; descend over W. slope.
59.50	Enter sagebrush opening, bears N. and S.
65.00	Begin abrupt descent over W. slope.
68.70	Leave opening and enter dense timber, bears N. and S.
69.30	Bottom of canyon and stream, 1 lk. wide, ½ in. deep, good water, 255 ft. below spur, course N.30°E.; ascend abruptly over E. and SE. slopes.
71.60	Leave dense aspen and enter scattering pine and dense

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	service berry undergrowth, bears NE. and S.80°W.
80.07	The cor. of secs. 15,16,21 and 22, 350 ft. above canyon.
	Land, rough mountainous, general N. exposure and drainage.
	Soil, moist brown loam, gravelly and rocky of limestone formation; sub-soil, moist clay and rock.
	Timber, aspen and pine.
	Undergrowth, service berry, sage and buck brush. Good grazing.
	N.0°02'W., bet. secs. 15 and 16.
	Over rough mountainous land, through scattering pine and aspen timber, service berry and sagebrush undergrowth.
2.10	Head of draw, drains N.30°E.; ascend along E. and SE. slopes.
11.60	Spur, 25 ft. above draw, projects N.30°E.; descend along W. slope.
15.00	Enter scattering patches of dense young aspen timber, bears E. and W.
16.30	Draw, 80 ft. below spur, drains NE.; ascend and descend over broken ground.
23.40	Begin abrupt descent over NW. slope.
40.00	On abrupt NW. slope, 400 ft. below draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and 8 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S16 | S15 1919
	from which
	A pine, 8 ins.diam.,bears S.8°E., 117 lks. dist.,marked ¼ S 15 B T
	A pine, 10 ins.diam.,bears S.20°15'W., 77 lks. dist.,marked ¼ S 16 B T
45.80	Canyon, 125 ft. below ¼ sec. cor., drains N.30°E.; ascend and descend along broken E. slope through patches of dense undergrowth.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
80.00	On E. slope, 40 ft. above canyon.
	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

T11S S9	R12E S10
S16	S15

1919

from which

A pine, 10 ins.diam.,bears N.10°30'E., 259 lks. dist.,marked T 11 S R 12 E S 10 B T

A pine, 16 ins.diam.,bears S.68°15'E., 382 lks. dist.,marked T 11 S R 12 E S 15 B T

A pine, 6 ins.diam.,bears S.27°W., 240 lks. dist.,marked T 11 S R 12 E S 16 B T

No other trees are available.

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

Land, rough mountainous; general N. exposure and drainage.

Soil, brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, moist clay loam and rock.

Timber, aspen and pine; dense in southern portion and scattering in northern portion of mile.

Undergrowth, sage, service berry and buck brush. Good grazing.

N.89°57'E., on a random line bet. secs. 10 and 15.

40.00 Set temp. ¼ sec. cor.

80.11 Intersect N. and S. line at the cor. of secs. 10,11,14 and 15.

Thence

S.89°57'W., on true line bet. secs. 10 and 15.

Over rough mountainous land through undergrowth of service berry, sagebrush and grass. Descend abruptly NW. slope.

2.50 Enter scattering pine timber, bears N. and S.

3.70 Draw, 145 ft. below sec. cor., drains N.20°E.; about 2

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	chs. south is the junction of draws from the SW. and SE. Ascend abruptly E. slope.
20.50	Enter dense aspen timber, bears N. and SW.
23.55	Spur, 350 ft. above draw, projects N.; descend.
30.65	Leave dense aspen timber, bears N. and SE.
36.80	Draw, 175 ft. below spur, drains N.15°E.; dense aspen timber along draw. Ascend abruptly.
40.05½	On steep E. slope, 100 ft. above draw. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S10/S15 1919 from which An aspen, 4 ins. diam., bears S.81°15'E., 283 lks. dist., marked ¼ S 15 B T A pine, 45 ins. diam., bears N.16°30'W., 98 lks. dist., marked ¼ S 10 B T
48.85	Spur, 175 ft. above ¼ sec. cor., projects N.; descend.
52.55	Enter dense aspen timber, bears NW. and S.
62.60	Leave dense and enter scattering timber, bears NE. and SW.
74.85	Canyon, 330 ft. below spur, drains N. about 6 chs. thence N.30°E.; ascend abruptly over E. slope, 225 ft. to
80.11	The cor. of secs. 9,10,15 and 16
	Land, rough mountainous; general N. exposure and drainage. Soil, moist, brown loam, streaked with gravel and rock; sub-soil, moist clay loam and gravel. Limestone and sandstone formation. Timber, aspen and pine. Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°02'W., bet. secs. 9 and 10. Over rough mountainous land through scattering pine timber, sage, service berry and buck brush undergrowth.
13.90	Spur, 40 ft. above sec. cor., projects N.30°E.; descend over NW. slope.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
16.55	Enter scattering aspen and pine timber, bears NE. and SW.
25.45	Enter dense timber, bears E. and W.
36.30	Bottom of canyon and wash, 50 lks. wide, 3 ft. deep, 340 ft. below spur, drains N.20°E.; leave dense timber, bears NE. and SW.; ascend E. and SE. slopes.
40.00	On E. slopes, 35 ft. above canyon. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S9 | S10

1919

from which

An aspen, 8 ins.diam.,bears S.42°15'E., 223 lks. dist.,marked ¼ S 10 B T

A pine, 24 ins.diam.,bears N.29°30'W., 200 lks. dist.,marked ¼ S 9 B T.

47.10	Spur, 140 ft. above ¼ sec. cor., projects NE.; descend abruptly over N. slope.
49.50	Enter dense timber, bears E. and W.
53.60	Leave timber, enter bottom of Argyle Canyon and dense greasewood undergrowth, bears E. and W.
56.80	Argyle Creek, 6 lks. wide, 4 ins. deep, good water, 220 ft. below spur, course S.80°E.; gradually ascend.
60.40	Leave canyon and greasewood undergrowth, enter pine, pinon and cedar timber and buck brush undergrowth, bears E. and W; ascend abruptly S. slope.
69.80	Spur, 280 ft. above creek, projects SW.; thence along W. slope.
80.00	On steep W. slope. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 3,4,9 and10 with brass cap marked

T11S | R12E

S4 | S3

S9 | S10

1919

from which

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	A cedar, 5 ins.diam.,bears N.60°30'E., 34 lks. dist.,marked T 11 S R 12 E S 3 B T
	A pinon, 12 ins.diam.,bears S.42°15'E., 43 lks. dist.,marked T 11 S R 12 E S 10 B T
	A pine, 15 ins.diam.,bears S.27°30'W., 19 lks. dist.,marked T 11 S R 12 E S 9 B T
	A pine, 18 ins.diam.,bears N.86°30'W., 187 lks. dist.,marked T 11 S R 12 E S 4 B T
	Land, rough mountainous; general N. and S. exposure and drainage to Argyle Canyon which drains E.
	Soil, south of Argyle Canyon , brown loam streaked with limestone shale rock; sub-soil, moist brown clay and rock. North of Argyle Canyon soil is loose limestone shale rock, brown and blue clay and ledges; sub-soil, clay and rock.
	Timber, aspen, pine, pinon and cedar.
	Undergrowth, sage, service berry, buck brush and greasewood. Fair grazing.
	N.89°57'E., on a random line bet. secs. 3 and 10.
40.00	Set temp. ½ sec. cor.
80.11	Intersect N. and S. line at the cor. of secs. 2,3,10 and 11
	Thence
	S.89°57'W., on true line bet. secs. 3 and 10.
	Over rough mountainous land through pine, pinon and cedar timber, service berry and buck brush undergrowth. Ascend.
.75	Spur, 15 ft. above cor., projects S.; descend abruptly.
4.95	Draw, 155 ft. below spur, drains S.15°E.; ascend abruptly E. slope.
12.90	Spur, 260 ft. above draw, projects S.; descend abruptly.
17.95	Draw, 100 ft. below spur, drains SW.; ascend.
20.15	Spur, projects S.30°W.; descend precipitous W. slope.
27.20	Canyon, 330 ft. below spur, drains S.15°W.; ascend abruptly E. shale slope.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
32.80	Spur, 220 ft. above canyon, projects S.; descend abruptly.
38.10	Draw, 180 ft. below spur, drains S.; ascend abruptly E. slope 100 ft. to
40.05½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S3 / S10 / 1919 from which A pinon, 12 ins.diam.,bears S.17°30'W., 46 lks. dist.,marked ¼ S 10 B T A pine, 24 ins.diam.,bears N.31°30'W., 53 lks. dist.,marked ¼ S 3 B T
46.25	Spur, 240 ft. above ¼ sec, cor., projects S.; descend abruptly precipitous W. slope, ledges and shale rock.
59.00	Draw, 460 ft. below spur, drains S.15°W.; ascend abruptly over ledges.
61.60	Spur, 120 ft. above draw, projects S.; descend abruptly over ledges.
66.00	Draw, 160 ft. below spur, drains S.10°E.; ascend abruptly over shale rock and ledges.
75.10	Spur, 360 ft. above draw, projects S.; descend abruptly over W. slope, shale rock and ledges, 210 ft. to
80.11	The cor. of secs. 3,4,9 and 10.
	Land, rough, rugged mountains, with steep E. and W. slopes of spurs into draws and canyons draining S. General S. exposure.
	Soil, limestone shale rock, brown and blue clay and rock; sub-soil,clay and rock.
	Timber, pine, pinon and cedar.
	Undergrowth, service berry and buck brush. Poor grazing.
	N.0°02'W., on true line bet. secs. 3 and 4.
	Over rough mountainous land through pine, pinon and cedar timber and undergrowth of service berry and buck brush. Gradually descend along steep W. slope.
8.35	Canyon, 30 ft. below cor., drains SW.; ascend abruptly

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	over shale rock and ledges, steep S. slope.
27.40	Spur, 475 ft. above canyon, projects S.30°W.; thence along broken W. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and 10 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼

S4 | S3

1919

from which

A pine, 20 ins.diam., bears N.67°30'E., 48 lks. dist., marked ¼ S 3 B T

A pine, 6 ins.diam., bears S.59°30'W., 50 lks. dist., marked ¼ S 4 B T

45.00	Draw, drains SW. about 3 chs. thence S.; ascend abruptly over S. slope.
52.30	Top of Argyle Ridge and divide between Uintah Basin and Minnie Maude Canyon, 210 ft. above draw, bears E. and W.; gradually descend over N. slope.
54.31	Intersect S. bdy. of the Uintah Indian Reservation. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 3 and 4, with brass cap marked

UIR

S4 | S3

T11S | R12E

CC

1919

from which

A pine, 5 ins.diam., bears S.64°30'E., 91 lks. dist., marked C C T 11 S R 12 E S 3 B T

No other trees are available.

Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor. From this cor. the ½ mile cor. on the bdy. bet. the 57th. and 58th. mile cors. which is a pine post, 3 ins. square, 24 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general bears

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	S.73°30'E., 15.68 chs. distant. The angle cor. reported 18.00 chs. N.73°30'W. of the ½ mile cor., bears N.73°30'W., 3.02 chs. distant from the closing cor. of secs. 3 and 4.
	Land, rough mountains, general S. exposure and drainage with exception of N. 2.31 chs. which slopes and drains N.
	Soil, shale rock, rocky and blue and brown clay; sub-soil, clay and rock. Limestone formation.
	Timber, pinon, cedar and pine.
	Undergrowth, service berry, sage and buck brush. Poor grazing.

	From the cor. of secs. 27,28,33 and 34,
	West, on Sectional Correction Line, bet. secs. 28 and 33.
	Over rough mountainous land through dense pine and aspen timber, sage and service berry undergrowth. Descend abruptly over NW. slope.
5.40	Draw, 125 ft. below sec. cor., drains NE.; ascend abruptly.
17.20	Spur, 410 ft. above draw, projects NE.; descend abruptly.
23.30	Head of draw, 110 ft. below spur, drains NE.; ascend abruptly NE. slope.
27.40	Spur, 110 ft. above draw, projects N.; thence along general N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S28/S33 1919 from which A pine, 12 ins.diam.,bears S.29°E., 7 lks. dist.,marked ¼ S 33 B T A pine, 24 ins.diam.,bears N.80°30'W., 67 lks. dist.,marked ¼ S 28 B T
43.90	Top of ridge divide between Upper and Lower Water Hollows, 315 ft. above last spur, bears NW. and SE.;

CHAINS	
	descend abruptly over SW. slope.
44.50	Leave dense and enter scattering timber, bears N. and S.
58.20	Head of canyon, 375 ft. below ridge, drains S.; gradually ascend.
62.70	Spur, 30 ft. above canyon, projects S.30°W.; descend.
67.80	Head of ravine, 65 ft. below spur, drains S.20°W.; thence along general S. and SW. slopes.
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

T11S	R12E
S29	S28
S32	S33

1919

from which

A pine, 12 ins.diam.,bears N.36°30'E., 77 lks. dist., marked T 11 S R 12 E S 28 B T

A pine, 8 ins.diam.,bears S.14°45'E., 217 lks. dist.,marked T 11 S R 12 E S 33 B T

A pine, 10 ins.diam.,bears S.62°50'W., 280 lks. dist.,marked T 11 S R 12 E S 32 B T

A pine, 10 ins.diam.,bears N.83°W., 155 lks. dist.,marked T 11 S R 12 E S 29 B T

Land, rough mountainous, general N. and S. exposure and drainage from high ridge at 43.90 chs.

Soil, eastern portion of mile, brown clay loam, gravelly and rocky; sub-soil, moist clay and rock; western portion, limestone shale rock, ledges and clay; sub-soil, clay and rock.

Timber, pine, aspen, scattering pinon and cedar.

Undergrowth, service berry, buck and sagebrush. Good grazing on eastern portion of mile.

	S.0°12'E., on a random line bet. secs. 32 and 33.
40.00	Set temp. ¼ sec. cor.
76.13	Intersect S. bdy. of the tp., 20 lks. E. of the cor. of secs. 32 and 33 heretofore described.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Thence
	N.0°03'W., on true line bet. secs. 32 and 33.
	Over rough mountainous land through scattering pine timber and undergrowth of sage, service berry and buck brush. Gradually ascend.
8.95	Ridge, 20 ft. above sec. cor., bears NE. and SW.; descend over NW. slope.
23.45	Canyon, 350 ft. below ridge, drains SW.; ascend.
23.65	Leave timber, bears E. and W.
31.85	Spur, 245 ft. above canyon, projects SE.; thence along general E. slope of spur, gradually ascending.
36.13	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S32 | S33 1919
	from which
	A pine, 14 ins.diam.,bears N.58°40'E., 59 lks. dist.,marked ¼ S 33 B T
	No other trees are available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
69.75	Head of draw, drains SE.; ascend abruptly S. slope 250 ft. to
76.13	The cor. of secs. 28,29,32 and 33.
	Land, rough mountainous; general S. exposure and drainage.
	Soil, moist brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay loam and rock.
	Timber, pine on southern portion of mile.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°03'W., bet. secs. 28 and 29.
	Over rough mountainous land through scattering pine, pinon and cedar timber, sage and buck brush under-

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	growth. Ascend abruptly over S. slope.
11.15	Junction of spurs, 425 ft. above sec. cor., project SW. and N.80°W.; descend abruptly over N. slope.
11.85	Enter dense pine timber, bears E. and W.
20.95	Draw, 400 ft. below spur, drains NW.; thence along W. slope.
23.95	Point of spur, 60 ft. below draw, projects NW.; descend abruptly over NW. slope.
26.40	Main draw, 55 ft. below spur, drains N.80°W.; leave dense timber, bears E. and W. Ascend.
29.00	Spur, 25 ft. above draw, projects W.; gradually descend.
34.10	Draw, level with spur, drains SW.; ascend abruptly over S. slope, 180 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S29 | S28 1919 from which A pine, 15 ins.diam.,bears N.82°45'E., 173 lks. dist.,marked ¼ S 28 B T An aspen, 3 ins.diam.,bears S.66°45'W., 46 lks. dist.,marked ¼ S 29 B T
50.25	Spur, 300 ft. above ¼ sec. cor., projects N.80°W.; enter dense pine and aspen timber and begin steep descent over N. slope, bears E. and W.
57.30	Draw, 195 ft. below spur, drains NW.; leave dense timber and ascend over SW. slope, bears NW. and SE.
63.95	Spur, 105 ft. above draw, projects W. about 12 chs. ; descend abruptly over NW. slope.
69.10	Draw, 120 ft. below spur, drains SW.; ascend abruptly over S. slope.
79.50	Spur, 280 ft. above draw, projects W.; enter dense pine timber, bears E. and W. Descend.
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

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	T11S R12E S20 S21 S29 S28 1919
	from which
	A pine, 8 ins.diam.,bears N.44°30'E., 11 lks. dist.,marked T 11 S R 12 E S 21 B T
	A pine, 12 ins.diam.,bears S.38°30'E., 33 lks. dist.,marked T 11 S R 12 E S 28 B T
	A pine, 8 ins.diam.,bears S.76°15'W., 57 lks. dist.,marked T 11 S R 12 E S 29 B T
	A pine, 8 ins.diam.,bears N.63°30'W., 18 lks. dist.,marked T 11 S R 12 E S 20 B T
	Land, rough mountainous; general SW. exposure and drainage.
	Soil, brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, moist loam and rock.
	Timber, pine, aspen, scattering pinon and cedar.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	East, on a random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 16 lks. N. of the cor. of secs. 21,22,27 and 28.
	Thence
	N.89°53'W., on true line bet. secs. 21 and 28.
	Over rough mountainous land through very scattering pine timber and dense undergrowth of sage and scattering service berry brush. Ascend abruptly over E. slope.
7.20	Top of spur, at junction with Argyle Ridge, projects S., ridge bears NE. and NW., 230 ft. above sec. cor.; desc. abruptly over W. and SW. slopes.
17.40	Draw, 280 ft. below spur, drains SW.; thence along S. slope.
20.40	Spur, level with draw, projects SW.; descend abruptly over W. slope.
22.50	Enter dense pine and aspen timber, bears N. and S.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
30.20	Draw, 275 ft. below spur; drains SW.; leave dense pine timber, bears N. and S. Ascend.
32.40	Spur, 20 ft. above draw, projects S.15°W.; thence along general S. slope.
40.01	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor.; with brass cap marked ¼ S21/S28 1919 from which An aspen, 6 ins.diam.,bears S.14°30'W., 159 lks. dist.,marked ¼ S 28 B T A pine, 14 ins.diam.,bears N.32°45'W., 117 lks. dist.,marked ¼ S 21 B T
42.70	Bottom of Lower Water Hollow and stream, 1 lk. wide, 1 in deep, good water, course SE.; ascend abruptly over E. slope.
63.00	Leave aspen and enter dense pine timber, bears N. and S.
68.25	Top of ridge divide between Upper and Lower Water Hollows, 610 ft. above ¼ sec. cor., bears N. and S.; descend along N. slope of flat spur projecting W.
80.02	The cor. of secs. 20,21,28 and 29, 175 ft. below ridge.
	Land, rough mountainous; SE. and W. exposure and drainage from ridge divide.
	Soil, brown loam, streaked with gravel and rock, sandstone and limestone formation; sub-soil, moist clay loam and rock.
	Timber, pine and aspen.
	Undergrowth, sage and service berry brush. Good grazing.
	N.0°03'W., bet. secs. 20 and 21.
	Over rough mountainous land through dense pine and scattering aspen timber. Descend abruptly over NW. slope.
17.20	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 365 ft. below sec. cor., course SW; leave dense timber; ascend abruptly S. slope through

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	scattering timber and undergrowth of sage, service berry and grass.
29.45	Spur, 370 ft. above canyon, projects SW.; thence along W. and NW. slopes, gradually descending.
30.00	Enter dense pine timber, bears NE. and SW.
34.85	Top of Argyle Ridge and divide between Argyle and Upper Water Hollow Canyons, bears N.20°W. and S.20°E.; descend along E. and NE. slopes 120 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S20 | S21

1919

from which

A pine, 15 ins.diam.,bears N.19°E., 45 lks. dist.,marked ¼ S 21 B T

A pine, 9 ins.diam.,bears N.66°15'W., 19 lks. dist.,marked ¼ S 20 B T

Cor. stands on E. slope about 1½ chs. E. from top of Argyle Ridge. Low saddle in ridge in opening, bears NW. about 5 chs. distant.

Leave dense pine timber and enter dense aspen timber, bears E. and W.

51.00	Draw, 250 ft. below ¼ sec. cor., drains N.60°E.; gradually ascend.
54.30	Leave aspen timber, bears NE. and W.
59.50	Spur, 80 ft. above draw, projects N.80°E.; descend.
63.00	Enter dense aspen timber, bears NW. and SE.
64.80	Head of draw, 60 ft. below spur, drains E.; ascend.
71.70	Point, 60 ft. above draw, projects E.; descend abruptly NE. slope 115 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins in dia., 26 ins. in the ground for cor. of secs. 16,17,20 and 21, with brass cap marked

T11S | R12E
S17 | S16

S20 | S21

1919

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS

from which

An aspen, 3 ins.diam.,bears N.58°30'E., 30 lks. dist.,marked T 11 S R 12 E S 16 B T

An aspen, 3 ins.diam.,bears S.57°45'E., 41 lks. dist.,marked T 11 S R 12 E S 21 B T

An aspen, 3 ins.diam.,bears S.48°45'W., 42 lks. dist.,marked T 11 S R 12 E S 20 B T

An aspen, 3 ins.diam.,bears N.45°30'W., 40 lks. dist.,marked T 11 S R 12 E S 17 B T

Land, rough mountainous; general NE. and SW. exposure and drainage from Argyle Ridge.

Soil, brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist loam and rock.

Timber, pine and aspen.

Undergrowth, sage and service berry brush. Good grazing.

S.89°53'E., on a random line bet. secs. 16 and 21.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line 7 lks. N. of the cor. of secs. 15,16,21 and 22.

Thence

N.89°50'W., on true line bet. secs. 16 and 21.

Over rough mountainous land through scattering pine timber, sage and service berry undergrowth. Ascend abruptly over E. slope.

2.90 Spur, 120 ft. above cor., projects N.20°E.; descend.

5.75 Basin, about 1 ch. in diam., drains N.10°E.; enter dense patches of aspen timber, bears N. and S. Thence ascend and descend over rough broken ground , small basins with abrupt slopes and with no visible outltes.

13.70 Ridge, bears N.20°E. and S.20°W.; descend over W. and NW. slopes.

29.85 Bottom of canyon, 300 ft. below ridge, drains N.15°E.; ascend abruptly over E. slope.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
31.65	Enter opening, bears N.30°E. and S.30°W.
38.30	Leave opening and enter dense timber, bears N. and S.
40.00	On gentle E. slope, 215 ft. above canyon.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}\ \frac{S16}{S21}$ 1919
	from which
	A pine, 12 ins.diam.,bears N.14°30'E., 47 lks. dist.,marked ¼ S 16 B T
	A pine, 8 ins.diam.,bears S.19°E., 9 lks. dist.,marked ¼ S 21 B T
	Continue ascent.
44.40	Spur, 70 ft. above ¼ sec. cor., projects N.10°E.; descend over W. and NW. slopes 100 ft. to
51.00	Draw, drains NW.; ascend.
52.35	Spur, 25 ft. above draw, projects N.; descend NW. slope.
57.35	Draw, 70 ft. below spur, drains N.30°E.; ascend over E. slope.
57.50	Enter opening, bears NE. and SW.
62.25	Leave opening, bears N. and S.
80.00	The cor. of secs. 16,17,20 and 21, 350 ft. above draw.
	Land, mountainous, general N. exposure and drainage.
	Soil, moist brown loam, streaked with gravel and rock, sandstone and limestone formation; sub-soil, moist clay and gravel.
	Timber, aspen and pine.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°03'W., bet. secs. 16 and 17.
	Over rough mountainous land through dense aspen and scattering pine timber. Descend along E. slope.
11.00	Top of wide, flat spur, projects N.30°E.; begin descent over N. slope.
33.20	Draw, 420 ft. below sec. cor., drains N.15°E.; ascend along general E. slope.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
37.90	Top of ascent, bears E. and W.; gradually descend.
40.00	On general E. slope, 12 ft. below top of ascent. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S17 | S16

1919

from which

A pine, 14 ins.diam.,bears N.26°15'E., 42 lks. dist.,marked ¼ S 16 B T

A pine, 10 ins.diam.,bears N.45°45'W., 67 lks. dist.,marked ¼ S 17 B T

44.25	Leave aspen timber, enter sage and service berry undergrowth, bears SE. and W.
56.40	Draw, 275 ft. below ¼ sec. cor., drains N.20°W. about 5 chs. distant to canyon which drains NE.; dense pine timber along bottom of draw. Ascend.
59.00	Spur, projects W.; descend abruptly NW. slope.
60.90	Bottom of canyon and stream, 3 lks. wide, 2 ins. deep, good water, 60 ft. below spur, course NE.; ascend over SE. and E. slopes.
80.00	On abrupt E. slope, 215 ft. above canyon. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 8,9,16 and 17 with brass cap marked

T11S | R12E
S8 | S9

S17 | S16

1919

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

No suitable trees are available.

Land, rough mountainous, general N. exposure and drainage.

Soil, moist brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, moist, brown clay and rock.

Timber, aspen and pine.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Undergrowth, sage, service berry and buck brush. Good grazing.
	S.89°50'E., on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.05	Intersect N. and S. line at the cor. of secs. 9,10,15 and 16.
	Thence
	N.89°50'W., on true line bet. secs. 9 and 16.
	Over rough mountainous land through scattering pine timber, service berry, buck and sagebrush undergrowth. Ascend abruptly over E. slope.
6.60	Spur, 125 ft. above cor., projects N.; gradually descend W. slope.
8.90	Enter dense young aspen timber, bears NE. and SW.
11.30	Head of draw, 30 ft. below spur, drains N.; leave timber, bears N. and S. Ascend.
14.25	Spur, 30 ft. above draw, projects N.10°E.; descend abruptly over NW. slope.
18.00	Enter dense pine and aspen timber, bears NE. and SW.
25.60	Canyon, 240 ft. below spur, drains NE.; leave aspen timber, ascend abruptly over SE. shale slope through scattering pine and pinon timber, bears NE. and SW.
37.20	Spur, 286 ft. above canyon, projects S.; Timber becomes very scattering. Thence along general S. slope.
40.02½	Head of draw, drains SE.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S9 / S16 / 1919
	from which
	A pine, 20 ins.diam.,bears N.22°30'E., 150 lks. dist.,marked ¼ S 9 B T
	An aspen, 3 ins.diam.,bears S.15°45'W., 214 lks. dist.,marked ¼ S 16 B T
	Ascend.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
45.30	Spur, 65 ft. above ¼ sec. cor., projects NE.; descend over NW. slope.
48.00	Enter dense young aspen timber, bears NE. and S.
63.40	Bottom of canyon and stream, 2 lks. wide, 2 ins. deep, good water, 300 ft. below spur, course NE.; leave timber, bears NE. and SW. Ascend abruptly E. and SE. slopes.
74.00	Spur, 220 ft. above canyon, projects S.; thence along S. slope.
77.00	Head of draw, drains SE.; ascend E. slope.
80.05	The cor. of secs. 8,9,16 and 17, 110 ft. above draw.
	Land, rough mountainous; general N. exposure and drainage.
	Soil, brown clay loam, streaked with patches of limestone shale rock; sub-soil, moist clay loam and rock.
	Timber, aspen, pine and pinon.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°03'W., bet. secs. 8 and 9.
	Over rough mountainous land through scattering pine timber, sage and service berry undergrowth. Ascend SE. slope.
2.50	Spur, 25 ft. above cor., projects N.30°E.; descend N. and NW. slopes.
4.60	Enter dense aspen and pine timber, bears NE. and SW.
11.00	Draw, 90 ft. below spur, drains N.30°E.; gradually ascend along E. and SE. slopes.
12.00	The SW. cor. of a sheep corral, about 2 chs. square.
12.60	Leave dense and enter scattering timber, bears E. and W.
29.90	Spur, 85 ft. above draw, projects N.80°E.; thence along broken E. slope.
40.00	On E. slope, 60 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S8 | S9

1919

SUBDIVISION OF T.11 S., R.12 E.

CHAINS

from which

A yellow pine, 14 ins.diam., bears S.72°E., 286 lks.dist., marked ¼ S 9 B T

An aspen, 4 ins.diam., bears S.24°30'W., 146 lks dist., marked ¼ S 8 B T

48.10 Enter dense pine timber, bears E. and SW.

73.20 Base of descent and enter bottom of Argyle Canyon, also leave timber, bears E. and W. Thence across canyon.

79.50 Argyle Creek, 8 lks. wide, 3 ins. deep, good water, 510 ft. below ¼ sec. cor., course SE. 3 chs. thence E.

80.00 On N. bank of Argyle Creek.

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

T11S S5	R12E S4
S8	S9

1919

from which

A forked yellow pine, 25 ins.diam., bears N.18° 50'W., 477 lks. dist., marked T 11S R12E S5 BT

A yellow pine, 45 ins.diam., bears N.40°28'E., 469 lks.dist., marked T 11 S R 12 E S 4 B T

A yellow pine, 14 ins.diam., bears S.26°08'E., 581 lks.dist., marked T 11 S R 12 E S 9 B T

No other trees are available.

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

Land, rough mountainous; general N. exposure and drainage to Argyle Canyon.

Soil, brown clay loam, streaked with gravel and rock of sandstone and limestone formation; sub-soil, moist clay and rock.

Timber. aspen and pine.

Undergrowth, sage, service berry and buck brush. Good grazing.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	S.89°50'E., on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line at the cor. of secs. 3,4,9 and 10
	Thence
	N.89°50'W., on true line bet. secs. 4 and 9.
	Over rough mountainous land through pine, pinon and cedar timber, service berry and buck brush undergrowth. Desc. abruptly W. shale rock slope.
3.80	Draw, 115 ft. below cor., drains S.15°W., ascend abruptly E. slope.
8.30	Spur, 150 ft. above draw, projects S.; descend abruptly SW. slope over ledges.
15.25	Enter bottom of canyon from the N. at junction with Argyle Canyon, 195 ft. below spur, bears N. and S.; leave timber, bears N. and S.; thence across canyon through dense sage and greasewood undergrowth.
16.45	Wash, drains S.
18.75	The S. point of a spur, bears S. about 5 chs. distant.
22.25	Wash, drains S.20°E.
23.75	Leave canyon, bears N. and S.; ascend along general S. broken shale rock slope through scattering timber.
32.90	Point, projects SW.; descend SW. slope 85 ft. to
40.01	Enter bottom of Argyle Canyon, bears NW. and SE., also high and dense greasewood and sagebrush undergrowth. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec, cor., with brass cap marked
	¼ S4/S9 1919
	from which
	A pine, 18 ins.diam.,bears N.41°E., 194 lks. dist.,marked ¼ S 4 B T
	A pine, 12 ins.diam.,bears S.68°30'E., 330 lks. dist.,marked ¼ S 9 B T
45.05	Wash, drains S.30°E.
49.86	Wash, drains S.
64.20	Leave Argyle Canyon, bears NE. and SW.; gradually ascend.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
67.50	Low point of spur, projects S.; descend.
68.60	Wash, drains SE.; reenter Argyle Canyon, bears NW. and SE.
80.02	The cor. of secs. 4,5,8 and 9.
	Land, rough mountainous and rolling canyon bottom; general S. exposure and easterly drainage.
	Soil, shallow brown loam, limestone shale rock and rocky; sub-soil, clay and rock.
	Timber, scattering pine, pinon and cedar.
	Undergrowth, sage, greasewood and service berry brush. Fair grazing.
	N.0°03'W., on true line bet. secs. 4 and 5.
	Over rolling bottom of Argyle Canyon through dense greasewood undergrowth.
3.20	Leave canyon and enter rough mountainous land, scattering pine, pinon and cedar timber, service berry and buck brush undergrowth. Ascend precipitous S. slopes, loose shale rock and small limestone ledges.
15.00	Top of steep ascent, ascend more gradually.
21.50	Spur, 470 ft. above sec. cor., projects S.10°E.; thence along top of spur.
27.90	Leave top of spur, continue ascent along W. side of same, loose shale rock and small ledges.
40.00	On steep slope, 210 ft. above spur.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	S5 | S4 1919
	from which
	A pine, 9 ins.diam.,bears N.89°E., 52 lks. dist.,marked ¼ S 4 B T
	A pine, 12 ins.diam.,bears N.64°45'W., 55 lks. dist.,marked ¼ S 5 B T
50.85	Top of same spur, 125 ft. above ¼ sec. cor.; projects S.20°E.; ascend E. slope.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
65.65	Top of same spur, 230 ft. above last crossing, projects S.15°W.; thence along steep W. and SW. shale rock slopes.
82.11	On steep SW. slope, 215 ft. above last spur. Intersect S. bdy. of the Uintah Indian Reservation. Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the ground on solid rock and 8 ins. in a mound of stone for closing cor. of secs. 4 and 5, with brass cap marked

UIR

S5 | S4
T11S | R12E
CC
1919

from which

A pine, 6 ins.diam.,bears S.33°15'E., 138 lks. dist.,marked C C T 11 S R 12 E S 4 B T

A pinon, 15 ins.diam.,bears N.82°W., 68 lks. dist.,marked C C T 11 S R 12 E S 5 B T

From this closing cor., the 59th.M.cor. on the bdy. heretofore described, bears as follows:

N.61°15'W., 8.81 chs. to angle cor., thence

S.62°15'W., 6.75 chs. to 59th. mile cor.

Land, high, rough,broken mountains, general S. exposure and drainage.

Soil, shallow blue and brown clay, gravelly and rocky of limestone formation; sub-soil, clay and rock.

Timber, pine, pinon and cedar.

Undergrowth, service berry and buck brush. Poor grazing.

From the cor. of secs. 28,29,32 and 33.

West, on Sectional Correction Line bet. secs. 29 and 32.

Over rough mountainous land through scattering pine timber and undergrowth of sage and buck brush.

Gradually descend along S. slope.

6.00	Spur, 15 ft. below sec. cor., projects S.; descend abruptly over S. slope.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
17.30	Enter dense aspen timber, bears N. and S.
28.50	Canyon, 500 ft. below spur, drains SW.; ascend abruptly SE. slope.
37.80	Point of spur, 175 ft. above canyon, projects S.; gradually descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked S29 ¼ S32 1919 from which A pine, 24 ins.diam.,bears N.7°20'E., 38 lks. dist., marked ¼ S 29 B T A pine, 20 ins.diam.,bears S.7°E., 57 lks. dist.,marked ¼ S 32 B T
44.00	Head of draw, 25 ft. below spur, drains S.; ascend.
44.80	Leave dense timber, bears N. and S.
51.40	Spur, 40 ft. above draw, projects SW. about 5 chs., thence S.; descend abruptly.
79.80	Bottom of Upper Water Hollow Canyon and stream, 3 lks. wide, 1 in. deep, good water, 525 ft. below spur, course SE.; ascend.
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 T11S R12E S30 S29 S31 S32 1919 from which An aspen, 5 ins.diam.,bears N.49°55'E., 13 lks. dist.,marked T 11 S R 12 E S 29 B T An aspen, 6 ins.diam.,bears S.47°30'E., 22 lks. dist.,marked T 11 S R 12 E S 32 B T An aspen, 6 ins.diam.,bears S.22°25'W., 59 lks. dist.,marked T 11 S R 12 E S 31 B T An aspen, 5 ins.diam.,bears N.59°25'W., 45 lks. dist.,marked T 11 S R 12 E S 30 B T

CHAINS	
	Land, high, rough mountains, general S. exposure and drainage.
	Soil, brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	S.0°03'E., on a random line bet. secs. 31 and 32.
40.00	Set temp. ¼ sec. cor.
75.48	Intersect S. bdy. of the tp., 20 lks. E. of the cor. of secs. 31 and 32 heretofore described.
	Thence
	N.0°06'E., on true line bet. secs. 31 and 32.
	Over rough mountainous land through pine, pinon and scattering aspen timber, sage, service berry and buck brush undergrowth. Ascend precipitous S. shale slope over small ledges.
12.00	Top of steep ascent, ascend more gradually.
30.00	Ridge, 515 ft. above sec. cor., bears NW. and SE.; descend over NE. slope 150 ft. to
35.48	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S31 | S32

1919

from which

An aspen, 5 ins.diam.,bears S.72°45'E., 110 lks. dist.,marked ¼ S 32 B T

A pine, 7 ins.diam.,bears West, 14 lks. dist.,marked ¼ S 31 B T

44.60	Leave dense timber, bears E. and W.
57.50	Head of canyon, 290 ft. below ridge, drains S.80°E.; ascend abruptly SW. slope.
64.80	Enter dense aspen timber, bears E. and W.
65.60	Ridge, 180 ft. above canyon, bears NW. and SE.; descend

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	abruptly over NE. slope275 ft. to
75.48	The cor. of secs. 29,30,31 and 32.
	Land, high, rough mountains; general SE. exposure and drainage.
	Soil, gravelly, rocky and shallow brown clay loam, sandstone and limestone formation; sub-soil, moist clay loam and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	WEST, on true line bet. secs. 30 and 31.
	Over rough mountainous land through very scattering pine and aspen timber and dense undergrowth of sage, buck and service berry brush. Ascend abruptly NE. slope.
9.10	Ridge, 325 ft. above cor., bears NW. and SE.; gradually descend.
20.30	Head of canyon, 10 ft. below ridge, drains SE.; ascend abruptly.
34.50	Spur, 410 ft. above head of canyon, projects SE.; gradually descend.
36.10	Head of draw, 12 ft. below spur, drains SE.; ascend.
37.50	Spur, 25ft. above draw, projects SW.; descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked S30 / S31 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable trees are available.
47.30	Draw, 210 ft. below spur, drains S.; gradually ascend E. slope.
50.30	Spur, 15 ft. above draw, projects S. 1 ch.; descend.
52.50	Draw, 15 ft. below spur, drains SE. about 2 chs. thence S. Ascend.
55.90	Spur, 90 ft. above draw, projects SE.; gradually descend over W. slope.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
61.40	Draw, 40 ft. below spur, drains SE.; gradually ascend.
66.60	Spur, 105 ft. above draw, projects SE.; descend abruptly over W. slope, 280 ft. to
76.53	Intersect W. bdy. of the tp., 5.13 chs. south of the cor. of secs. 25 and 36, E. bdy. of T.11 S.,R.11 E. heretofore described. Cor. of secs. 30 and 31 set at this point, for description, see E. bdy. of T.11 S., R.11 E.
	Land, mountainous, general SE. exposure and drainage.
	Soil, gravelly, rocky and shallow brown clay loam; subsoil, moist clay and rock. Sandstone and limestone formation.
	Timber, very scattering pine and aspen.
	Undergrowth, dense sage, service berry and buck brush. Good grazing.
	From the cor. of secs. 29,30,31 and 32.
	N.0°03'W., bet. secs. 29 and 30.
	Over rough mountainous land through dense aspen and scattering pine timber.
4.20	Begin abrupt ascent over S. slope.
6.40	Leave dense timber and enter dense sage, service berry and buck brush undergrowth, bears E. and W.
9.30	Point of spur, 70 ft. above cor., projects E.; gradually descend over NE. slope.
14.90	Bottom of Upper Water Hollow Canyon and stream, 4 lks. wide, 2 ins.deep, good water, 42 ft. below spur, course SE.; ascend abruptly.
28.10	Point of spur, 225 ft. above canyon, projects SW.; asc.& descend over NW. slope.
39.90	Head of draw, 180 ft. above spur, drains SW.; ascend abruptly.
40.00	Point for ¼ sec. cor. falls on sandstone ledge where cor. cannot be set, therefore at
40.11	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	cap marked
	¼
	S30 | S29
	WC
	1919
	from which
	A pine, 36 ins.diam.,bears N.46°35'E., 103 lks. dist.,marked W C ¼ S 29 B T
	A pine, 14 ins.diam.,bears S.72°20'W., 65 lks. dist.,marked W C ¼ S 30 B T
54.70	Spur, 470 ft. above ¼ sec. cor., projects SW.; gradually descend.and ascend along SW. slope.
68.20	Head of draw, 165 ft. above spur, drains SW.; ascend.
70.00	Ridge, 65 ft. above draw, bears NW. and SE.; descend 125 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for cor. of secs. 19,20,29 and 30, with brass cap marked
	T11S | R12E S19 | S20 S30 | S29 1919
	from which
	A pine, 8 ins.diam.,bears N.18°50'E., 332 lks. dist.,marked T 11 S R 12 E S 20 B T
	A pine, 6 ins.diam.,bears S.76°45'E., 157 lks. dist.,marked T 11 S R 12 E S 29 B T
	A pine, 12 ins.diam.,bears S.48°15'W., 186 lks. dist.,marked T 11 S R 12 E S 30 B T
	A pine, 14 ins.diam.,bears N.20°25'W., 465 lks. dist.,marked T 11 S R 12 E S 19 B T
	Land, rough mountainous; general S. exposure and drainage.
	Soil, moist brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, pine and aspen.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Undergrowth, sage, service berry and buck brush. Good grazing.
	East, on a random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
79.78	Intersect N. and S. line 9 lks. N. of the cor. of secs. 20,21,28 and 29.
	Thence
	N.89°56'W., on true line bet. secs. 20 and 29.
	Over rough mountainous land through dense pine and aspen timber. Descend over general W. slope, along top of N. side of spur projecting W.
11.60	Leave dense timber and enter dense undergrowth, bears N. and S.
12.70	Point of spur, 165 ft. below sec. cor., projects NW.; continue steep descent.
30.90	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 680 ft. below spur, course SW.; ascend abruptly E. and SE. slopes.
39.89	On E. slope, 220 ft. above canyon.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S20/S29 1919
	from which
	A pine, 14 ins. diam., bears N.53°15'E., 150 lks. dist., marked ¼ S 20 B T
	A pine, 12 ins. diam., bears S.2°E., 131 lks. dist., marked ¼ S 29 B T
46.00	Point of spur, 365 ft. above canyon, projects SE.; descend SW. slope.
52.10	Head of draw, 40 ft. below spur, drains SE.; ascend.
52.80	Spur, 20 ft. above draw, projects SE. about 2 chs.; descend W. slope.
56.30	Draw, 125 ft. below spur, drains SW.; thence along S.slope.
67.60	Draw, 275 ft. below spur, drains SE.; ascend.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
74.50	Point of spur, 200 ft. above draw, projects SE.; descend.
77.50	Draw, 80 ft. below spur, drains SE.; ascend 65 ft. to
79.78	The cor. of secs. 19,20,29 and 30.
	Land, rough mountainous; S. exposure and drainage.
	Soil, moist clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	West, on a random line bet.secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
76.43	Intersect W. bdy. of the tp. 5 lks. S. of the cor. of secs. 19 and 30 heretofore described.
	Thence
	S.89°58'E., on true line bet. secs. 19 and 30.
	Over rough mountainous land through dense pine and aspen timber and scattering undergrowth.
.05	Spur, projects NE.; descend SE. slope.
5.95	Draw, 105 ft. below spur, drains NE.; ascend NW. slope.
8.35	Spur, 50 ft. above draw, projects NE.; descend abruptly SE. slope.
18.75	Leave dense timber, bears N. and S.
19.45	Bottom of Upper Water Hollow Canyon, 365 ft. below spur, drains SE.; ascend abruptly SW. slope.
32.45	Spur, 289 ft. above canyon, projects S.; descend SE.slope.
36.43	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S19 / S30 / 1919

from which

An aspen, 8 ins.diam.,bears S.58°10'E., 37 lks. dist.,marked ¼ S 30 B T

A pine, 5 ins.diam.,bears N.11°55'W., 90 lks. dist.,marked ¼ S 19 B T

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Continue descent.
39.75	Enter dense timber, bears N. and S.
45.35	Bottom of canyon and stream, 2 lks. wide, 2 ins. deep, good water, 145 ft. below spur, course SW.; ascend abruptly over W. slope.
65.35	Leave dense timber, bears N. and S.
71.45	Ridge, 765 ft. above canyon, bears N. and S.; descend abruptly over SE. slope 200 ft. to
76.43	The cor. of secs. 19,20,29 and 30.
	Land, rough mountainous; general S. exposure and drainage.
	Soil, moist, brown clay loam, streaked with gravel and rock of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, service berry and buck brush. Good grazing.
	N.0°03'W., bet. secs. 19 and 20.
	Over rough mountainous land through scattering pine and aspen timber, sage, service berry and buck brush undergrowth. Ascend along abrupt E. and SE. slopes of ridge.
25.40	Ridge, 275 ft. above sec. cor., bears NE. and SW.; descend gradually.
34.00	Head of draw, 10 ft. below ridge, drains SW.; ascend.
37.70	Enter dense timber and 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., with brass cap marked

¼

S19 | S20

1919

from which

A pine, 14 ins.diam.,bears S.47°05'E., 43 lks. dist.,marked ¼ S 20 B T

A pine, 8 ins.diam.,bears N.87°15'W., 29 lks. dist.,marked ¼ S 19 B T

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
43.60	Spur, 75 ft. above draw, projects SW.; descend.
51.00	Head of draw, 65 ft. below spur, drains S.80°W.; ascend abruptly over SW. slope.
57.90	Top of Argyle Ridge and divide between Argyle and Upper Water Hollow Canyons, 90 ft. above draw, bears NW. and SE.; descend.
58.70	Leave dense timber, bears E. and W.
73.60	Enter dense timber, bears E. and W.
80.00	On NW. slope, 365 ft. below divide.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 17,18,19 and 20, with brass cap marked

T11S S18	R12E S17
S19	S20

1919

from which

An aspen, 7 ins.diam.,bears N.32°40'E., 70 lks. dist.,marked T 11 S R 12 E S 17 B T

A pine, 5 ins.diam.,bears S.13°10'E., 95 lks. dist.,marked T 11 S R 12 E S 20 B T

A pine, 8 ins.diam.,bears S.26°30'W., 125 lks. dist.,marked T 11 S R 12 E S 19 B T

An aspen, 6 ins.diam.,bears N.31°30'W., 116 lks. dist.,marked T 11 S R 12 E S 18 B T

Land, rough mountainous; general N. and S. exposure and drainage from Argyle Ridge.

Soil, shallow brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.

Timber, pine and aspen.

Undergrowth, sage, service berry and buck brush. Good grazing.

S.89°56'E., on a random line bet. secs. 17 and 20.

40.00 Set temp. ¼ sec. cor.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
79.75	Intersect N. and S. line 16 lks. N. of the cor. of secs. 16,17,20 and 21.
	Thence
	N.89°49'W., on true line bet. secs. 17 and 20.
	Over rough mountainous land through dense young aspen timber, undergrowth, sage, service berry and deer brush. Ascend abruptly E. slope.
5.50	Leave dense aspen timber and enter scattering pine timber, bears N. and S.
7.60	Top of flat ridge, 220 ft. above cor., bears N. and S. A spring of good water on top of ridge, bears N. about 15 chs. distant. Descend abruptly over NW. slope.
20.10	Canyon, 345 ft. below ridge, drains N.; ascend.
21.50	Enter dense aspen timber, bears N. and S.
24.90	Point of spur, 90 ft. above canyon, projects N.; descend.
27.40	Draw, 45 ft. below spur, drains NE.; ascend.
39.87½	On NE. slope spur, 235 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S17 / S20 / 1919
	from which
	An aspen, 6 ins.diam.,bears S.84°E., 41 lks. dist.,marked ¼ S 20 B T
	An aspen, 6 ins.diam.,bears N.46°W., 30 lks. dist.,marked ¼ S 17 B T
43.20	Spur, 130 ft. above ¼ sec. cor., projects NW.; descend.
44.90	Draw, 50 ft. below spur, drains NW.; ascend.
48.10	Spur, 35 ft. above draw, projects NW.; descend.
54.30	Leave dense and enter scattering timber, bears N. and S.
55.90	Head of draw, 60 ft. below spur, drains NE.; ascend abruptly over NE. slope.
64.40	Ridge, 210 ft. above draw, bears NW. and SE.; descend abruptly over NW. slope, 245 ft. to
79.75	The cor. of secs. 17,18,19 and 20.
	Land, rough mountainous; general N. exposure and drainage.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	Soil, brown clay loam, streaked with gravel and rock of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, scattering service berry, buck and deer brush. Good grazing.
	N.89°58'W., on a random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
76.34	Intersect W. bdy. of the tp. 6 lks. S. of the cor. of secs. 18 and 19 heretofore described.
	Thence
	S.89°55'E., on true line bet. secs. 18 and 19.
	Over rough mountainous land through dense pine and aspen timber, scattering undergrowth of sage, service berry, deer and buck brush. Descend along S. slope, near top of Argyle Ridge.
13.25	Head of canyon, 75 ft. below cor., drains SW.; ascend abruptly over SW. slope.
27.85	Top of Argyle Ridge and divide between Argyle and Upper Water Hollow Canyons, 265 ft. above head of canyon, bears NW. and SE.; descend over N. and NE. slopes, 210 ft. to
36.34	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S18 / S19 / 1919
	from which
	A pine, 6 ins. diam., bears S.33°10'E., 71 lks. dist., marked ¼ S 19 B T
	A pine, 10 ins. diam., bears N.39°50'W., 85 lks. dist., marked ¼ S 18 B T
	Continue descent.
48.35	Draw, 205 ft. below ¼ sec. cor., drains NE.; ascend.
52.05	Spur, 25 ft. above draw, projects NE.; descend.
57.85	Draw, 90 ft. below spur, drains NE.; ascend.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
64.25	Leave dense and enter scattering timber, bears N. and S.
66.05	Ridge, 80 ft. above draw, bears NE. and SW.; descend.
70.55	Leave scattering and enter dense timber, bears N. and S.
72.45	Head of canyon, 70 ft. below ridge, drains N.; ascend.
74.45	Leave dense and enter scattering timber, bears N. and S.
76.34	The cor. of secs. 17,18,19 and 20, 20 ft. above canyon.
	Land, high, rough mountains; general N. and S. exposure and drainage from Argyle Ridge.
	Soil, moist clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, pine and aspen.
	Undergrowth, sage, scattering service berry, buck and deer brush. Good grazing.
	N.0°03'W., bet. secs. 17 and 18.
	Over rough mountainous land through dense pine and aspen timber, sage, service berry and buck brush undergrowth. Gradually descend along broken W. slope of ridge.
40.00	On NW. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S18 | S17 19 19
	from which
	A pine, 10 ins.diam.,bears S.41°05'E., 61 lks. dist.,marked ¼ S 17 B T
	A pine, 8 ins.diam.,bears N.53°05'W., 69 lks. dist.,marked ¼ S 18 B T
43.00	Leave dense and enter scattering timber, bears E. and W.
61.70	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 430 ft. below sec. cor., course NE.; ascend abruptly over SE. slope.
72.50	Spur, 25 ft. above canyon, projects NE.; descend.
73.60	Draw, 40 ft. below spur, drains E.; gradually ascend.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
80.00	On general NE. slope.
	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
	T11S S7 | R12E S8 / S18 | S17
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable trees are available for bearing trees.
	Land, rough mountainous; general N. exposure and drainage.
	Soil, shallow brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, service berry, deer and buck brush. Good grazing.

	S.89°49'E., on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
79.74	Intersect N. and S. line at the cor. of secs. 8,9,16 and 17.
	Thence
	N.89°49'W., on true line bet. secs. 8 and 17.
	Over rough mountainous land through scattering pine timber, sage, service berry and grass undergrowth. Ascend abruptly SE. slope.
4.30	Spur, 60 ft. above sec. cor., projects NE.; gradually descend over NW. slope.
6.60	Draw, drains NE., 15 ft. below spur; leave timber, bears NE. and SW.; begin abrupt ascent over SE. slope.
18.40	Spur, 155 ft. above draw, projects SE.; thence along S. slope.
21.00	Draw, level with spur, drains SE.; ascend abruptly E. and SE. slopes.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
35.00	Enter dense aspen and scattering pine timberm bears NE. and SW.
39.87	Ridge, 430 ft. above draw, bears N. and S. Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S8/S17 1919 from which A pine, 10 ins.diam.,bears N.14°45'E., 22 lks. dist.,marked ¼ S 8 B T A pine, 14 ins.diam.,bears S.58°10'E., 28 lks. dist.,marked ¼ S 17 B T
42.50	Begin abrupt descent over W. slope, bears N. and S.
63.55	Bottom of draw and small seeps of good water, 515 ft. below ¼ sec. cor., drains NW.; ascend.
67.00	Point of spur, 50 ft. above draw, projects NW.; descend abruptly over W. slope.
74.75	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 140 ft. below spur, course NE.; leave dense and enter very scattering timber, bears NE. and SW. Ascend abruptly 140 ft. to
79.74	The cor. of secs. 7,8,17 and 18.
	Land, high, rough mountains; general NE. and NW. exposure and drainage from high ridge at 39.87 chs.
	Soil, brown clay loam, streaked with gravel and rock of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, aspen and pine; dense in central portion of mile.
	Undergrowth, sage, service berry, buck, deer brush and grass. Good grazing.
	N.89°55'W., on a random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
76.16	Intersect W. bdy. of the tp. 13 lks. N. of the cor. of secs. 7 and 18 heretofore described.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
	Thence
	N.89°59'E., on true line bet. secs. 7 and 18.
	Over rough mountainous land through scattering pine timber and undergrowth of sage, service berry, buck brush and grass. Descend abruptly over SE. slope from top of ridge bearing NE. and SW.
35.60	Bottom of canyon and stream, 1 lk. wide, 1 in. deep, good water, 800 ft. below sec. cor., course NE.; ascend abruptly over NW. slope.
36.16	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S7 / S18 / 1919
	from which
	A pine, 6 ins.diam.,bears S.31°E., 45 lks. dist.,marked ½ S 18 B T
	A pine, 7 ins.diam.,bears N.8°30'W., 23 lks. dist.,marked ¼ S 7 B T
61.20	Ridge, 525 ft. above canyon, bears NE. and SW.; descend abruptly eastern slope, 270 ft. to
76.16	The cor. of secs. 7,8,17 and 18.
	Land, high, rough mountains; general E. and W. slopes of high ridges into canyons draining N.
	Soil, brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay loam and rock.
	Timber, scattering pine and aspen.
	Undergrowth, sage, service berry, buck brush and grass. Good grazing.
	N.0°03'W., bet. secs. 7 and 8.
	Over rough mountainous land through dense undergrowth of sage and deer brush. Along general E. slope of canyon.
6.80	Ascend abruptly over SE. slope.
16.00	Spur, 90 ft. above sec. cor., projects E.; descend.
25.70	Draw, 50 ft. below spur, drains SE.; ascend.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
32.00	Point of spur, 55 ft. above draw, projects SE.; descend.
34.70	Draw, 85 ft. below spur, drains NE.; gradually ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S7 | S8 1919 from which An aspen, 7 ins.diam.,bears N.22°40'E., 76 lks. dist.,marked ¼ S 8 B T An aspen, 5 ins.diam.,bears N.20°15'W., 75 lks. dist.,marked ¼ S 7 B T
44.30	Point of spur, 20 ft. above ¼ sec. cor., projects E.; descend.
51.30	Draw, 100 ft. below spur, drains SE.; ascend.
54.60	Spur, 25 ft. above draw, projects NE.; descend.
59.70	Draw, 100 ft. below spur, drains SW.; ascend.
61.90	Point of spur, 15 ft. above draw, projects SW.; descend abruptly NW. slope.
76.30	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 240 ft. below spur, course NE.; gradually ascend SE. slope.
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 T11S | R12E S6 | S5 S7 | S8 1919 from which An aspen, 8 ins.diam.,bears N.56°15'E., 47 lks. dist.,marked T 11 S R 12 E S 5 B T A pine, 10 ins.diam.,bears S.14°20'E., 45 lks. dist.,marked T 11 S R 12 E S 8 B T A pine, 10 ins.diam.,bears S.72°25'W., 66 lks.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
	dist.,marked T 11 S R 12 E S 7 B T
	A pine, 38 ins.diam.,bears N.48°25'W., 133 lks. dist.,marked T 11 S R 12 E S 6 B T
	Land, rough mountainous; general eastern exposure and northerly drainage.
	Soil, brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, scattering patches of aspen and pine.
	Undergrowth, sage, service berry, buck and deer brush. Good grazing.
	S.89°49'E., on a random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
79.77	Intersect N. and S. line 5 lks. N. of the cor. of secs. 4,5,8 and 9.
	Thence
	N.89°47'W., on true line bet. secs. 5 and 8.
	Over rolling land in bottom of Argyle Canyon through dense greasewood undergrowth.
1.00	Argyle Creek, 5 lks. wide, 4 ins. deep, good water, course S.80°E.
11.25	Leave canyon and enter dense pine and aspen timber, bears NE. and SW; begin ascent over northeastern slope.
29.50	Leave dense and enter scattering timber, bears N. and S.
37.50	Point of spur, 270 ft. above sec. cor., projects NE.; thence over broken N. and NW. slopes.
39.88½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ½ sec. cor., with brass cap marked ¼ S5/S8 1919 from which
	A pine, 8 ins.diam.,bears N.49°15'E., 53 lks. dist.,marked ¼ S 5 B T
	A pine, 12 ins.diam.,bears S.81°40'E., 118 lks. dist.,marked ¼ S 8 B T
50.25	Canyon, 210 ft. below spur, drains N., small seep of good water in canyon. Ascend.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS	
60.27	From this point the NW. cor. of sheep corral, bears S.41°W. about 2 chs. distant; the NE. cor. of same bears S.15°30'E. about 3 chs. distant.
64.20	Enter dense timber, bears N. and S.
65.20	Point of spur, 200 ft. above canyon, projects NW.; descend.
68.10	Draw, 30 ft. below spur, drains NW.; ascend.
69.40	Low spur, projects NW.; descend abruptly over NW. slope.
78.60	Bottom of canyon and stream, 2 lks. wide, 1 in. deep, good water, 170 ft. below spur, course NE.; ascend abruptly 45 ft. to
79.77	The cor. of secs. 5,6,7 and 8.
	Land, broken mountainous; general N. exposure and drainage.
	Soil, brown and blue clay, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, pine and aspen.
	Undergrowth, greasewood, sage, service berry, deer and buck brush. Good grazing.
	S.89°59'W., on a random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
76.12	Intersect W. bdy. of the tp., 6 lks. S. of the cor. of secs. 6 and 7 heretofore described.
	Thence
	S.89°58'E., on true line bet. secs. 6 and 7.
	Over rough mountainous land through dense undergrowth of sage, scattering service berry and buck brush; a few scattering aspen and pines on both sides of line. Descend abruptly E. slope.
12.90	Canyon, 380 ft. below sec. cor., course NE.; enter medium dense timber, bears NE. and SW. Ascend abruptly.
28.00	Ridge, 330 ft. above canyon, bears NW. and SE.; enter dense timber, bears with ridge. Descend over E. and NE. slopes.

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
36.12	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked $\frac{1}{4}\ \frac{S6}{S7}$ 1919
	from which
	A pine, 8 ins.diam.,bears S.34°15'E., 16 lks. dist.,marked ¼ S 7 B T
	A pine, 14 ins.diam.,bears N.35°55'W., 52 lks. dist.,marked ¼ S 6 B T
42.60	Leave dense and enter scattering timber, bears N. and S.
49.80	Canyon, 360 ft. below ridge, drains NE.; ascend.
53.80	Leave all but few scattering trees, bears N. and S.
57.60	Spur, 260 ft. above canyon, projects NW.; descend.
62.80	Draw, 130 ft. below spur, drains NE.; ascend.
65.70	Spur, 40 ft. above draw, projects NE.; descend abruptly over E. and NE. slopes 250 ft. to
76.12	The cor. of secs. 5,6,7 and 8.
	Land, rough mountainous; general N. exposure and drainage.
	Soil, brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, moist clay and rock.
	Timber, aspen and pine.
	Undergrowth, sage, service berry, buck and deer brush. Good grazing.
	N.0°03'W., on true line bet. secs. 5 and 6.
	Over rough mountainous land through scattering pine and aspen timber, sage, service berry and buck brush undergrowth. Gradually ascend.
12.80	Point of spur, 65 ft. above sec. cor., projects N.80°E.; descend over general N. slope.
26.60	Bottom of Argyle Canyon and creek, 5 lks. wide, 3 ins. deep, good water, 145 ft. below spur, course E.; leave timber and enter dense greasewood undergrowth, bears E. and W. Thence across canyon.

SUBDIVISION OF T.11 S.,R.12 E.

CHAINS

33.71 Leave canyon and greasewood undergrowth, enter scattering pine timber, bears E. and W. Set point for triangulation. Ascend abruptly south shale rock slope 150 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground on solid rock and 16 ins. in a mound of stone for ¼ sec. cor.; with brass cap marked

¼

S6 | S5

1919

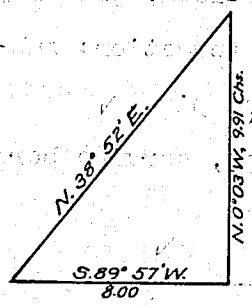
from which

A pine, 14 ins.diam.,bears S.19°45'E., 406 lks. dist.,marked ¼ S 5 B T

A pine, 12 ins.diam.,bears S.70°50'W., 225 lks. dist.,marked ¼ S 6 B T

Precipitous ascent over Shale and sandstone ledges, too steep to chain, triangulate as follows:

From 33.71 ch. point on line, set flag N.0°03'W. on line on top ledges, then measure base, S.89°57'W., 8.00 chs. Flag on top ledges, bears N.38°52'E. All bearings taken with solar, and all angles checked by direct readings.



Triangulated distance = 9.91 chs.
Distance on line = 33.71
Total 43.62

43.62 Top of ledges and narrow spur, 500 ft. above canyon, projects SE. Enter dense pine timber and heavy undergrowth. Thence along general E. slope.

64.25 Draw, 140 ft. below spur, drains SE.; ascend SW. slope.

69.55 Spur, 215 ft. above draw, projects S.30°E.; descend.

79.60 Draw, 60 ft. below spur, drains SE. about 5 chs. thence S.; ascend abruptly S. slope 115 ft. to

SUBDIVISION OF T.11 S., R.12 E.

CHAINS	
85.12	Intersect 2nd. Standard Parallel South, 3.01 chs. east of the standard ½ sec. cor. S. bdy. of sec. 31, T.10 S., R.12 E. heretofore described. At intersection,
	Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock and 6 ins. in a mound of stone for closing cor. of secs. 5 and 6, with brass cap marked
	T10SR12E S31 S6 | S5 T11S | R12E CC 1919
	from which
	A cedar, 8 ins. diam., bears S.60°E., 150 lks. dist., marked C C T 11 S R 12 E S 5 B T
	A pinon, 6 ins. diam., bears S.60°45'W., 136 lks. dist., marked C C T 11 S R 12 E S 6 B T
	Land, high, rough, broken mountains; general N. and S. exposure and drainage to Argyle Canyon which drains E.
	Soil, brown and blue clays, blue limestone shale rock and rocky; sub-soil, moist clay and rock. Limestone and sandstone formations.
	Timber, pine, aspen and a few scattering pinon and cedar. Undergrowth, sage, service berry, buck brush and greasewood. Good grazing.

BOUNDARIES OF T.11 S., R.12 E.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated	True bearings	Dist-ances.	Latitudes N	Latitudes S	Departures E	Departures W
E.bdy T11SR12E	North	443.40	443.40	.....	.....	.....
N.bdy "	N.72°45'W.	15.52	4.60	.....	.....	14.82
"	S.65°15'W.	16.00	.....	6.70	.....	14.53
"	N.88°45'W.	90.90	1.98	.....	.....	90.88
"	S.79°30'W.	26.70	.....	4.87	.....	26.25
"	N.52°45'W.	3.00	1.82	.....	.....	2.39
"	N.73°15'W.	40.00	11.53	.....	.....	38.30
"	S.63°W.	18.00	.....	8.17	.....	16.04
"	N.73°30'W.	40.70	11.56	.....	.....	39.02
"	N.35°W.	11.00	9.01	.....	.....	6.31
"	N.80°45'W.	32.50	5.22	.....	.....	32.08
"	S.74°30'W.	10.50	.....	2.81	.....	10.12
"	N.61°15'W.	39.50	19.06	.....	.....	34.64
"	West	3.22	.....	.....	.....	3.22
"	S.62°15'W.	8.85	.....	4.12	.....	7.83
"	S.86°W.	6.98	.....	.49	.....	6.96
"	N.41°45'W.	6.26	4.67	.....	.....	4.17
"	West	127.45	.....	.....	.....	127.45
W.bdy "	South	480.00	.....	480.00	.....	.....
S.bdy "	S.89°45'E.	39.81	.....	.17	39.81	.....
"	S.89°34'E.	40.21	.....	.30	40.21	.....
"	S.89°36'E.	120.03	.....	.84	120.03	.....
"	S.88°24'E.	40.97	.....	1.14	40.95	.....
"	S.89°19'E.	79.22	.....	.95	79.21	.....
"	S.89°21'E.	77.59	.....	.88	77.59	.....
"	S.89°34'E.	78.78	.....	.60	78.78	.....
Convergency			.....	.....	.....	.57
	Totals		512.79	512.04	476.58	475.58

Error in latitude ------ 512.79 − 512.04 = .75

Error in departure 476.58 − 475.58 = 1.00

GENERAL DESCRIPTION

This township is rough and mountainous and is situated on the south side of a high spur or ridge of the Wasatch mountains dividing the Uintah and Green River Basins; this ridge bears in an easterly and westerly direction. The estimated elevation of this range adjacent to the township is about 9000 ft. above sea. Argyle Ridge, whose height is about the same as the main divide enters the township in sec. 18 and leaves in sec.25. Argyle Canyon cuts between the main divide and Argyle Ridge and flows in an easterly direction,

GENERAL DESCRIPTION.

CHAINS

entering the township in sec. 6 and leaving in sec. 13. Numerous other deep canyons flow north and south into Argyle Canyon. Deep canyons also head on the south side of Argyle Ridge and drain in southerly directions. The general exposure of the township is to the south and the drainage is east to Green River.

The soil, with the exception of the S½ of sec. 36, a portion of sec. 35 and of the land north of Argyle Creek which is a blue and brown limestone shale rock and hard, dry, brown and blue clays, is a brown clay loam, heavily mixed with gravel and rock of sandstone and limestone formation. The sub-soil, is a moist clay loam, packed hard and containing much rock.

Valuable forests of pine and aspen timber are found in the south central portion of the township and especially on the north slopes. Pinon and cedar timber grows abundantly north of Argyle Creek. Scattering timber consisting of pine, aspen, pinon and cedar grows on the entire township, the heaviest growth, however, is located as above mentioned. With this timber is a rank growth of sage, service berry, buck, deer brush and willow undergrowth.

Many springs of good pure water are found in the township, and they form streams which are tributaries to Argyle, Upper and Lower Water Hollows and Sulphur Creeks. The water is used for irrigation in districts to the east and the surplus flows into Green River.

There are no settlers in the township.

The township in general is being used and is valuable for grazing of sheep and cattle, as the soil supports an abundant growth of rich grasses.

North of Argyle Creek the blue limestone formation and shale rock bears indications of oil. Numerous prospects for oil have been made in this vicinity.

The mean magnetic declination throughout the township is N.15°45'E.

GENERAL DESCRIPTION

Howard W. Miller

U.S. Cadastral Engineer.

Walter Byergo

U.S. Transitman.

Water Locations T.11 S.,R.12 E.

Sec. 5; $S\frac{1}{2}$
Sec.6 ; $N\frac{1}{2}$ of $S\frac{1}{2}$
Sec. 8; $W\frac{1}{2}$ of $SW\frac{1}{4}$; $E\frac{1}{2}$ of $NW\frac{1}{4}$; $NE\frac{1}{4}$ of $NE\frac{1}{4}$
Sec. 9; $NE\frac{1}{4}$; $N\frac{1}{2}$ of $NW\frac{1}{4}$
Sec.10; $SE\frac{1}{4}$; $NE\frac{1}{4}$ of $SW\frac{1}{4}$; $S\frac{1}{2}$ of $NW\frac{1}{4}$
Sec.11; $S\frac{1}{2}$ of $SW\frac{1}{4}$
Sec.13; $N\frac{1}{2}$
Sec.14; $NE\frac{1}{4}$; $NE\frac{1}{4}$ of $NW\frac{1}{4}$
Sec.17; $NW\frac{1}{4}$ of $NW\frac{1}{4}$
Sec.19; $S\frac{1}{2}$ of $SE\frac{1}{4}$
Sec.23; $SE\frac{1}{4}$ of $NE\frac{1}{4}$
Sec.24; $W\frac{1}{2}$ of $NW\frac{1}{4}$; $SE\frac{1}{4}$ of $SW\frac{1}{4}$; $SW\frac{1}{4}$ of $SE\frac{1}{4}$
Sec.25; $N\frac{1}{2}$ of $NE\frac{1}{4}$; $NE\frac{1}{4}$ of $NW\frac{1}{4}$
Sec.26; $W\frac{1}{2}$ of $SW\frac{1}{4}$
Sec.27; $SW\frac{1}{4}$ of $SE\frac{1}{4}$; $SW\frac{1}{4}$
Sec.29; $SW\frac{1}{4}$ of $SW\frac{1}{4}$
Sec.30; $E\frac{1}{2}$ of $SE\frac{1}{4}$
Sec.31; $S\frac{1}{2}$ of $SE\frac{1}{4}$; $S\frac{1}{2}$ of $SW\frac{1}{4}$
Sec.32; $SW\frac{1}{4}$; $W\frac{1}{2}$ of $NW\frac{1}{4}$
Sec.33; $N\frac{1}{2}$ of $NE\frac{1}{4}$; $SE\frac{1}{4}$ of $NE\frac{1}{4}$; $E\frac{1}{2}$ of $SE\frac{1}{4}$
Sec.36; $NE\frac{1}{4}$; $NE\frac{1}{4}$ of $SE\frac{1}{4}$

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
Calvin Mace	1st. chainman
Charles Dorius	1st. chainman
Campbell W. Adams	2nd. chainman
Dewey Ackerman	2nd. chainman
Hugh Halverson	Cornerman
Farrel Rasmussen	flagman
Fay Fredericksen	Flagman
Max Ungerman	Axman

6—2704

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~.
CADASTRAL ENGINEER AND TRANSITMAN.

We, Walter Byergo, U. S. Transitman
Howard W. Miller, U.S.Cadastral Engineer
~~I~~, ~~U.S.Surveyor~~, hereby certify upon honor that, in pursuan

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the 3rd. day of May, 1918, ~~I~~ We have well, faithfully, and tr

in ~~my own~~ our own proper persons and in strict conformity with said instructions, the Manual of Surveying Instr

tions, and the laws of the United States, surveyed all those parts or portions of resurvey of the

south boundary and survey of the subdivision of T.11 S.,R.12 E.

of the Salt Lake

Base and Meridian, in the State of Utah, which are represented

the foregoing field notes and date diagram as having been executed by ~~me~~ us, and under ~~my~~ our direction; on dates shown on di

and that all the corners

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru

tions, and the special written instructions of the U. S. Surveyor General for Utah

and in the specific manner described in the field notes, and that the foregoing are the original field notes

such survey.

Certified to at Salt Lake City,Ut.
January 29,1920

Howard W. Miller
U. S. Cadastral Engineer ~~U. S. Surveyor~~

Certified to at Ephraim, Utah, February 5, 1920

Walter Byergo
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 29, 192

The foregoing field notes of the ~~survey of~~ resurvey of the south boundary and the

survey of the subdivisional lines of Township No. 11 South, Range No.

12 East, of the Salt Lake Base and Meridian, Utah,

executed by Howard W. Miller and Walter Byergo

under ~~his~~ special instructions dated May 3, 1918, 191, having been

critically examined, and the necessary corrections and explanations made, the said field notes and resurveys, 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—2764

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Page

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BOOK A-443

D.

FIELD NOTES

U. S. Surveyor General's Office
APR 14 1920
SALT LAKE CITY, UTAH

OF THE ~~XXXXXXXXXXXX~~

RESURVEY OF THE NORTH BOUNDARY, SURVEY OF THE

4TH. STANDARD PARALLEL SOUTH, THROUGH RANGE

10 EAST, SURVEY OF THE EAST BOUNDARY AND

SUBDIVISION OF T. 20 S., R. 10 E.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

HOWARD W. MILLER, U. S. CADASTRAL ENGINEER

AND

WALTER BYERGO, U. S. TRANSITMAN

~~*In the capacity of U. S. Surveyor*~~, *under instructions dated* MAY 9, *191*8., *issued by the United States Surveyor General to govern surveys included in Group No.* 72, *which were approved by the Commissioner of the General Land Office,* June 3, *191*8.

ASSIGNMENT INSTRUCTIONS DATED JUNE4,1918 AND MAY 31, 1919

Survey commenced SEPTEMBER 6, *191*9

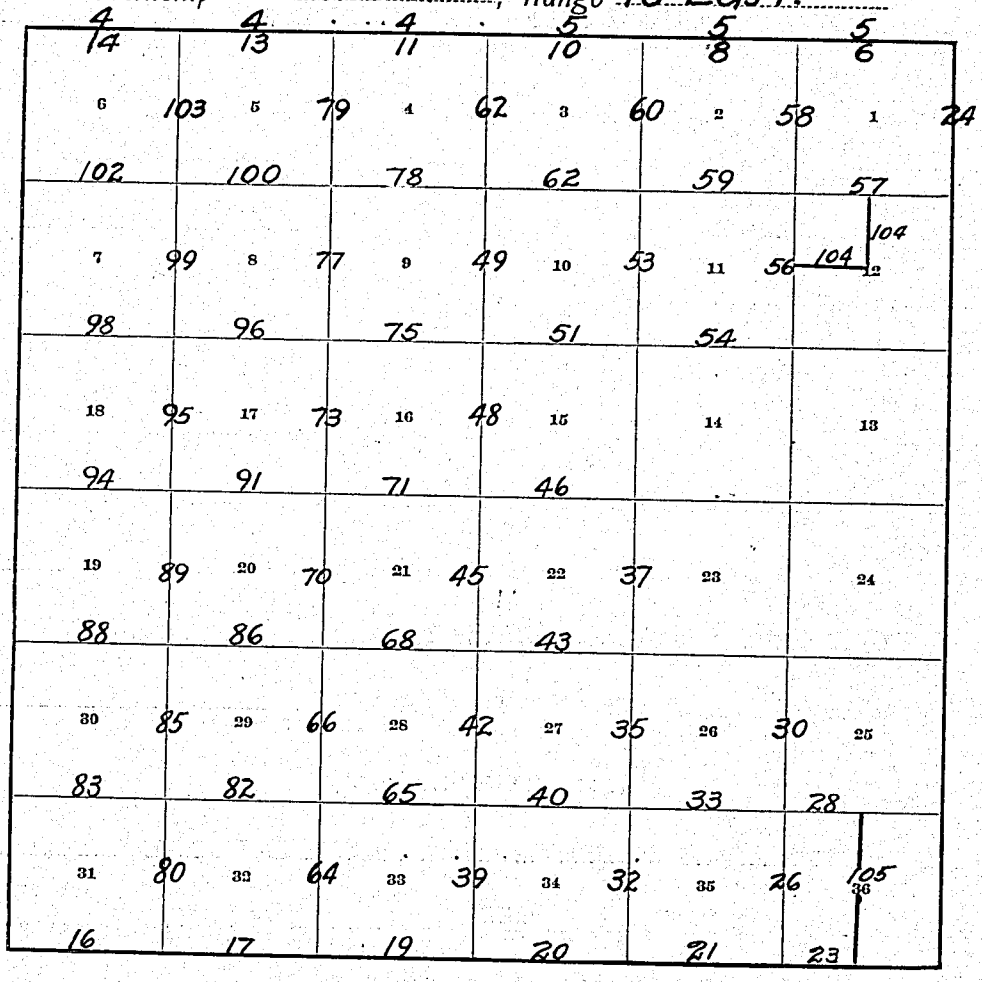
Survey completed OCTOBER 18, *191*9

6—141

BOOK A-443

INDEX DIAGRAM.

Township 20 South, Range 10 East.



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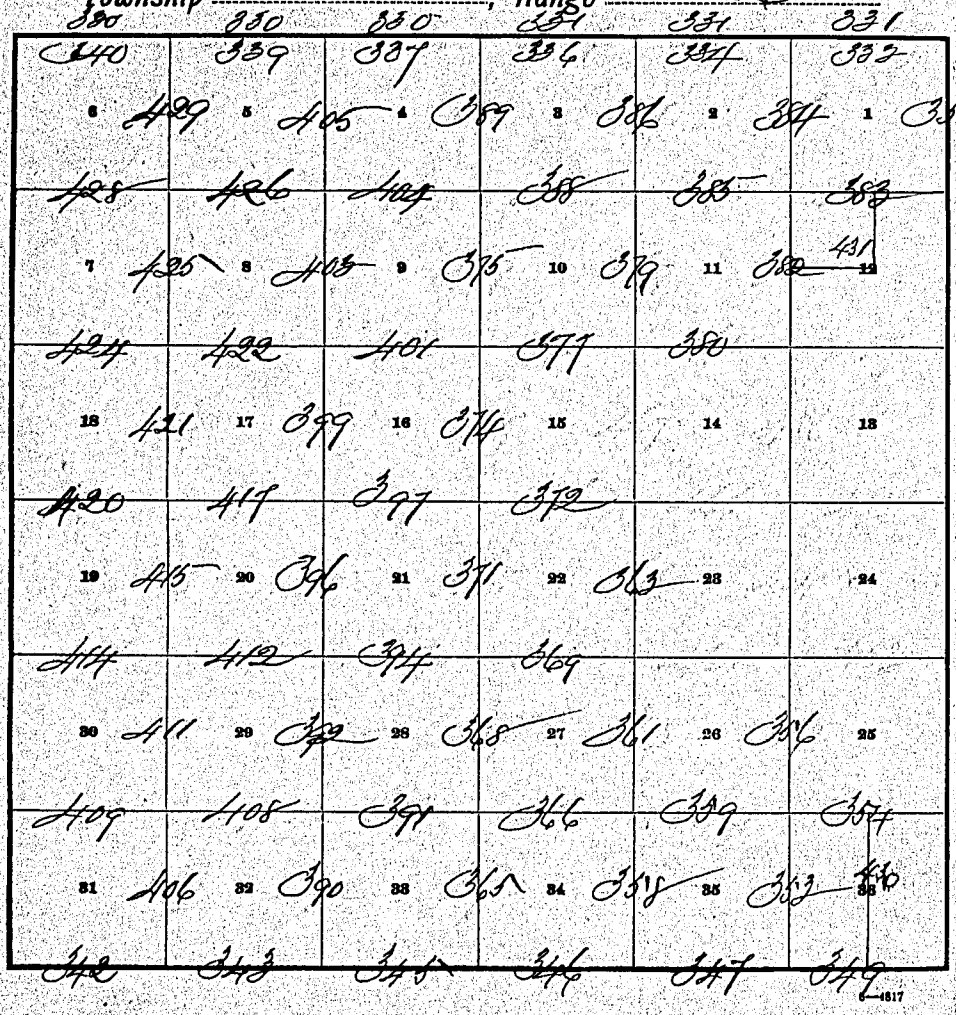
4—679 b

INDEX DIAGRAM.

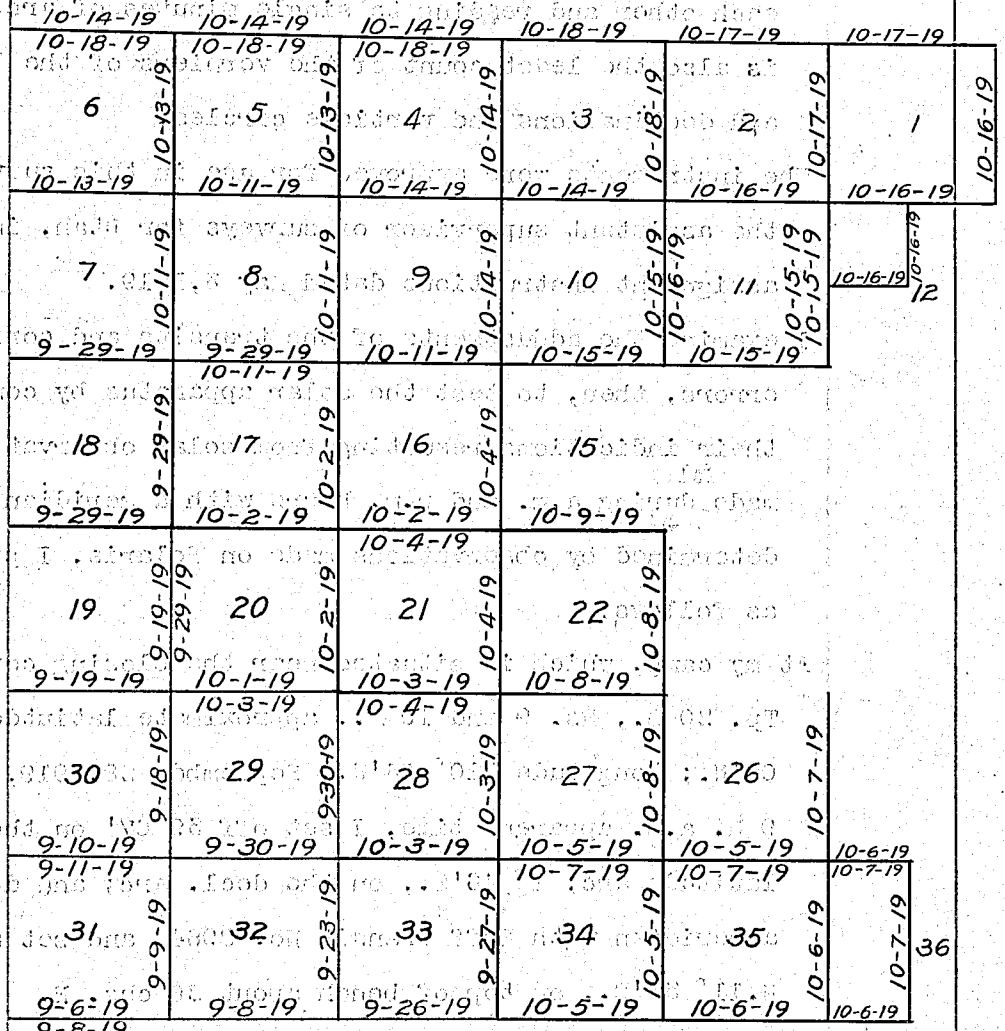
Township 20 S, Range 10 E



4—1817

T. 20 S., R.10 E.

DATE DIAGRAM



All lines dated and colored with black ink were surveyed jointly by Howard W. Miller, U. S. Cadastral Engineer and Walter Byergo, U. S. Transitman.

All lines dated and colored with red ink were surveyed by Walter Byergo, U. S. Transitman.

BOOK A-443

T.20 S.,R.10 E.

Survey commenced September 6, 1919 and executed with Buff and Buff light mountain transit No. 8964 and Young and Sons light mountain transit No.8539. Both instruments are equipt with Smith Solar attachment and full vertical circles. The horizontal limbs are provided with two double verniers, placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declinations and verticle circles.

The instruments were approved for use in this survey by the assistant supervisor of surveys for Utah, in assignment instructions dated May 3,1919.

I examine the adjustments of the transits and correct all errors, then, to test the solar apparatus by comparing their indications 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:

At my camp, which is situated near the closing cor. of Tp. 20 S., Rs. 9 and 10 E., approximate latiutde 39° 07'N.; longitude 110° 54'W.; September 28,1919, at 9 h. a.m. apparent time, I set off 39°07' on the latitude arc; 1° 46'S., on the decl. arc; and determine a meridian with Buff transit No. 8964 and set a flag N.11° 33'E., on top of bench about 20 chs. N.

At 9h. 15 m. a.m. apparent time, I set off 39°07' on the latitude arc; 1° 46'S., on the decl. arc; and determine a meridian with Young and Sons transit No.8539 and find that the flag bears N.11°32'E.

At apparent noon with both instruments in the meridian and with 39°07' set off on the latitude arcs, I find the reading of the declination arcs of both instruments to be 1° 49'S.

At 3h. p.m. apparent time, I set off 39°07' on the latitude arc; 1° 52'S., on the declination arc; and determine a meridian with the Buff instrument and

T. 20 S., R. 10 E.

find that the flag bears N.11° 32'E.

At 3h. 15 m.p.m. apparent time, I set off 39°07' on the latitude arc; 1° 52'S., on the decl. arc; and determine a meridian with Young and Sons Transit No.8539 and find that the flag bears N.11°33'E.

On September 26, 1919, I find by comparison with a Western Union Telegraph clock at Price, Utah that my watch is 23M. 26S. fast of l.m.t.,

At the same transit station and with Buff and Buff transit No.8964, at 6h. 11m. 44s.p.m. by my watch which is 23m. 26s. fast of l.m.t., I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the flag about 15 chs. N., in the direction N - W to Polaris.

Mean horizontal angle from flag to Polaris 10° 10' N-W
Azimuth of Polaris at observation 1° 22' E.
True bearing of flag = N.11° 32'E.

The instruments by a.m. and p.m. observations define positions for meridians that do not vary more than 1' of arc from the true meridian, I therefore conclude that the instruments are in good adjustment.

The instruments are kept in good adjustment during the progress of the survey, frequent tests being made on a meridian determined by observations on Polaris.

MEASUREMENTS

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 5 chains in length compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the verticle angle determined, and the slope measurements properly reduced to true horizontal distances.

RESURVEY OF THE NORTH BOUNDARY OF T.20 S., R.10 E.

CHAINS	
	From the cor. of T. 19 S., Rs. 9 and 10 E., heretofore described.
	S.89°58'E., on retracement line along S. bdy. sec. 31.
2.66	The closing cor. of T. 20 S., Rs. 9 and 10 E. heretofore described.
41.96	Fall 2½ lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is west and the distance is 41.96 chs.
	From ¼ sec. cor. continue S.89°58'E. with continuous measurement.
82.06	Fall 2½ lks. S. of the cor. of secs. 5,6,31 and 32 hereinafter described.
	The bearing of this ½ mile is west and the distance is 40.10 chs.
	From the cor. of secs. 5,6,31 and 32.
	S.89°58'E., on retracement line bet. secs. 5 and 32.
40.26	Fall 15 lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is S.89° 49'W., and the distance is 40.26 chs.
	From ¼ sec. cor. continue S.89°58'E. with continuous measurement.
80.11	Fall 8 lks. S. of the cor. of secs. 4,5,32 and 33 hereinafter described.
	The bearing of this ½ mile is N.89°55'E., and the distance is 39.85 chs.
	From the cor. of secs. 4,5,32 and 33.
	S.89°58'E., on retracement line bet. secs. 4 and 33.
40.16	Intersect the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is N. 89°58'W., and the distance is 40.16 chs.
	From ¼ sec. cor. continue S.89°58'E., with continuous measurement.
80.09	Fall 3½ lks. N. of the cor. of secs. 3,4,33 and 34

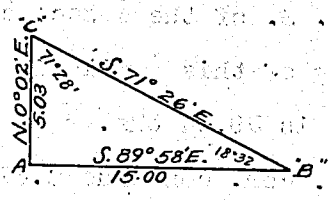
RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
	hereinafter described.
	The bearing of this ½ mile is N.89°55'W., and the distance is 39.93 chs.
	From the cor. of secs. 3,4,33 and 34.
	S.89°58'E., on retracement line bet. secs. 3 and 34.
39.94	Fall 5 lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is S.89°58'W., and the distance is 39.94 chs.
	From ¼ sec. cor. continue S.89°58'E., with continuous measurement.
79.88	Fall 8 lks. S. of the cor. of secs. 2,3,34 and 35 hereinafter described.
	The bearing of this ½ mile is S.89°55'W., and the distance is 39.94 chs.
	From the cor. of secs. 2,3,34 and 35.
	S.89°58'E., on retracement line bet. secs. 2 and 35.
40.07	Fall 20 lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is S.89°45'W., and the distance is 40.07 chs.
	From ¼ sec. cor. continue S.89°58'E., with continuous measurement.
79.98	Fall 5 lks. S. of the cor. of secs. 1,2,35 and 36 hereinafter described.
	The bearing of this ½ mile is S.89°58'W., and the distance is 39.91 chs.
	From the cor. of secs. 1,2,35 and 36
	S.89°58'E., on retracement line bet. secs. 1 and 36
38.59	Fall 2 lks. S. of the witness cor. to the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is West, and the distance is 38.59 chs.
	From witness ¼ sec. cor. continue S.89°58'E., with continuous measurement

RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS

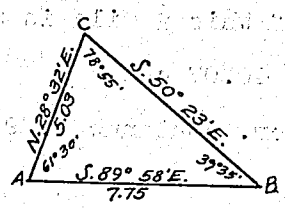
Brink of gorge across which I cannot chain, erect flag "A" at witness ¼ sec. cor. and set point "B" on retracement line on E. side of gorge, then, measure base AC, N.0°02'E., 5.03 chs. distant. The line BC bears S.71°26'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation = 15.00 chs.
Total distance on retracement line = 53. 59 chs.

70.86 Brink of gorge across which I cannot chain, triangulate as follows:

Erect flag "A" at this point, then set point "B" on retracement line on E. side of gorge. Measure base line AC, N. 28°32'E., 5.03 chs. to point where line BC bears S.50°23'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation = 7.75 chs.
Total distance on retracement line = 78.61 chs.

80.91 Fall 2 lks. N. of the cor. of Tps. 19 and 20 S., Rs. 10 and 11 E., which is an iron post, 3 ins. in dia., firmly set in a large mound of earth and stone, marked and witnessed as described by the surveyor general.

The bearing of this ½ mile is N.89°56'W., and the distance is 42.32 chs.

I destroy all marks on the cor. of Tps. 19 and 20 S., Rs. 10 and 11 E. that pertain to T. 20 S., Rs. 10 and 11 E.and efface marks on bearing trees to the south.

Thence from cor. of T. 19 S., Rs. 10 and 11 E.

RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
	N.89°56'W., on resurvey line along S. bdy. sec. 36. Over broken bench land through scrub cedar and pinon timber and undergrowth of shadscale. Gradually descend.
1.92	The closing cor. of T.20 S.,Rs. 10 and 11 E. hereinafter described.
2.30	Brink of gorge, cut in solid sandstone , bears N.30°E. and S.30°W. Bottom of gorge about 4 chs. W. and is approximately 300 ft. deep. Thence by triangulation to
10.05	W. brink of gorge, bears N.30°E. and S.30°W. Point of triangulation. Gradually ascend.
13.50	Low ridge, 30 ft. above brink of gorge; bears NE. and SW.; gradually descend W. slope 45 ft. to
26.32	E. brink of deep gorge cut in solid sandstone and about 400 ft. deep, bears NE. and SW.; thence across same by triangulation.
41.92	Westing of 40.00 chs. from the closing cor. of T.20 S., Rs. 10 and 11 E. Point for ¼ sec. cor. N. bdy. sec. 1, T.20 S.,R.10 E. falls on face of gorge where cor. cannot be set.
42.32	W. brink of gorge, bears NE. and SW., also point of triangulation. The witness cor. to the ¼ sec. cor, for secs. 1 and 36 which is an iron post, bent, and firmly set in a large mound of stone , marked and witnessed as described by the surveyor general. I leave this cor. standing as originally marked for witness cor. to the ¼ sec. cors. for secs. 1 and 36.
	Thence
	West, with continuous measurement.
45.80	Enter dense cedar and pinon timber, bears N. and S.
57.80	Leave dense and enter scattering timber, bears N. and S.
73.30	Shallow wash, in swale, drains SE.; gradually ascend.
80.91	The cor. of secs. 1,2,35 and 36 which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
	I destroy all marks on this cor. pertaining to T.20 S., and efface marks on bearing trees to the south.
	Land, rough, broken bench land, general S. exposure and drainage.
	Soil, shallow sandy loam and rocky of sandstone formation sub-soil, dry, sandy clay and sandstone rock.
	Timber, scrub cedar and pinon.
	Undergrowth, shadscale. Good grazing.
	From cor. of secs. 35 and 36.
	S.89°58'W., on resurvey line along S. bdy. sec. 35. Over rolling and broken bench land, through scrub cedar and pinon timber and undergrowth of shadscale. Graduall ascend.
1.01	Westing of 80.00 chs. from the closing cor. of Tp. 20 S., Rs. 10 and 11 E. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1 and 12, T.20 S.,R. 10 E., with brass cap marked T20S S2 | R10E S1 1919 from which
	A cedar, 10 ins.diam.,bears S.37°E., 199 lks. dist.,marked T 20 S R 10 E S 1 B T
	A pinon, 14 ins.diam.,bears S.25°W., 183 lks. dist.,marked T 20 S R 10 E S 2 B T
4.90	Spur, 20 ft. above cor., projects NW.; gradually descend.
10.40	Draw, 65 ft. below spur, drains NW.; gradually ascend.
14.90	Spur, 40 ft. above draw, projects NW.; gradually descend.
17.00	Draw, 25 ft. below spur, drains NW.; gradually ascend.
25.10	Spur, 20 ft. above draw, projects N.; gradually descend.
29.50	Wash, 20 lks. wide, 2 ft. deep, in draw, 35 ft. below spur, drains N.; ascend.
32.40	Spur, 25 ft. above draw, projects N.; gradually descend.
34.80	Draw, 30 ft. below spur, drains N.; ascend E. slope.

RESURVEY OF THE NORTH BOUNDARY OF T.20 S., R.10 E.

CHAINS	
39.91	The ¼ sec. cor. which is an iron post, 1 in. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	I destroy all marks on cor. pertaining to T.20 S.
	Thence
	S.89°45'W., with continuous measurement.
41.01	Westing of 40.00 chs. from cor. of secs. 1 and 2.
	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for ¼ sec. cor. N. bdy. sec. 2 with brass cap marked
	¼S2
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	No suitable trees are available.
	Cor stands on top of spur, projects N.; descend.
52.40	Draw, 75 ft. below spur, drains NE.; ascend E. slope.
57.30	Spur, 45 ft. above draw, projects NW. about 5 chs.; gradually descend.
58.60	Draw, 22 ft. below spur, drains NW.; gradually ascend.
65.10	Spur, 20 ft. above draw, projects N.; gradually descend.
66.90	Draw, 25 ft. below spur, drains NE. about 10 chs., thence NW.; gradually ascend.
75.30	Spur, 55 ft. above draw, projects NW. about 10 chs.; descend.
79.98	The cor. of secs. 2,3,34 and 35 which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	I destroy all marks on cor. pertaining to T.20 S. and efface marks on bearing trees, to the south.
	Cor. stands in shallow draw, drains NW.
	Land, rolling and broken bench lands; general N. exposure and drainage.

RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
	Soil, shallow brown and gray clay loam, mixed with sandstone and limestone shales; sub-soil, dry, hard, sandy clay and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, shadscale. Good grazing.
	From cor. of secs. 34 and 35.
	S.89°55'W., along S. bdy. sec. 34.
	Over rolling hills and bench lands, through scattering scrub cedar and pinon timber and undergrowth of shadscale.
1.03	Westing of 80.00 chs. from cor. of secs. 1 and 2. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 2 and 3, T.20 S.,R.10 E with brass cap marked
	T20S S3 | R10E S2 1919
	from which
	A cedar, 10 ins.diam.,bears S.50°25'E., 160 lks. dist.,marked T 20 S R 10 E S 2 B T
	A pinon, 6 ins.diam.,bears S.18°55'W., 153 lks. dist.,marked T 20 S R 10 E S 3 B T
9.20	Ridge. 22 ft. above draw, bears N. and S.; enter heavier timber, bears N. and S.; gradually descend.
13.00	Shallow draw drains N.; ascend.
13.60	Low spur, projects N.; descend.
21.60	Shallow draw, drains NW.; gradually ascend.
39.94	The ¼ sec. cor., which is an iron post, 1 in. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	I destroy all marks on cor. pertaining to T.20 S.
	Thence
	S.89°58'W., with continuous measurement.
41.03	Westing of 40.00 chs. from cor. of secs. 2 and 3; Set an iron post, 3 ft. long, 1 ins. in dia., 26 ins.

RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
	in the ground for ¼ sec. cor. N. bdy. sec. 3, T.20 S., R.10 E., with brass cap marked
	¼S3 1919
	from which
	A cedar, 10 ins.diam.;bears S.78½°E., 111 lks. dist.,marked ¼ S 3 B T
	A cedar; 24 ins.diam.;bears S.32°30'W., 30 lks. dist.,marked ¼ S 3 B T
58.80	Ridge. 87 ft. above draw, bears NW. and SE.; timber becomes very scattering. Gradually descend.
76.40	Wash, 20 lks. wide, 2 ft. deep, in shallow draw, 45 ft. below ridge, drains NW.
79.88	The cor. of secs. 3,4,33 and 34 which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set; and marked and witnessed as described by the surveyor general.
	I destroy all marks on cor. that pertain to T.20 S.
	Land, rolling and broken bench land; general N. exposure and drainage.
	Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, hard, dry sandy clay and rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Good grazing.
	From cor. of secs. 33 and 34.
	N.89°55'W., on resurvey line along S. bdy. sec. 33
	Gradually descend over rolling land sloping NW., through short undergrowth of shadscale.
1.15	Westing of 80.00 chs. from the cor. of secs. 2 and 3. Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock and 6 ins. in a mound of stone for cor. of secs. 3 and 4, T.20 S.,R.10 E., with brass cap marked

RESURVEY OF THE NORTH BOUNDARY OF T.20 S., R.10 E.

CHAINS	
	T20S S4 | R10E S3
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
21.70	Wash, 20 lks. wide, 8 ft. deep, drains NW.
25.00	Wash, 10 lks. wide, 2 ft. deep, drains NW.
39.93	The ¼ sec. cor. which is an iron post, 1 in. in dia., extending 12 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.
	I destroy all marks on cor. pertaining to T.20 S.
	Thence
	N.89° 58'W., with continuous measurement.
41.15	Westing of 40.00 chs. from cor. of secs. 3 and 4. Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and 8 ins. in a mound of stone for ¼ sec. cor. N. bdy. sec. 4, T.20 S., R. 10 E., with brass cap marked
	¼S4 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
44.70	Gulch, 85 ft. below cor. secs. 33 and 34, drains NW.; ascend.
59.85	Spur, 40 ft. above gulch, projects N.; gradually descend.
62.40	Wash, 20 lks. wide, 2 ft. deep, drains N.; thence over clay and gypsum hills.
80.09	The cor. of secs. 4,5,32 and 33 which is an iron post, 3 ins. in dia., firmly set in a mound of stone, and marked and witnessed as described by the surveyor general.
	I destroy all marks on cor. that pertain to T.20 S.
	Land, rolling and broken hills; general N. exposure and drainage.
	Soil, shallow brown sandy clay and gypsum, mixed with limestone and sandstone rock; sub-soil, clay and rock.

RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
	Timber, a few scattering cedar and pinon on both sides of line.
	Undergrowth, short shadscale. Good grazing.
	From cor. of secs. 32 and 33.
	S.89°55'W., on resurvey line along S. bdy. sec. 32.
	Over rolling clay and gypsum hills, through short undergrowth of shadscale and yellow top.
1.06	Westing of 80.00 chs. from cor. of secs. 3 and 4.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 4 and 5, T.20 S.,R.10 E., with brass cap marked
	T20S | R10E S5 | S4 1919
	Raise a mound of stone, 2 ft.base, 1½ ft. high, S. of cor.
1.60	Wash, 10 lks. wide, 4 ft. deep, drains NW.
9.10	Low spur, projects NW.; descend.
17.20	Wash, 10 lks. wide, 4 ft. deep, 58 ft. below spur, drains NW.; gradually ascend.
24.50	Low spur, projects NW. about 5 chs.; descend.
34.00	Wash, 15 lks. wide, 5 ft. deep, 55 ft. below spur, drains SW.; gradually ascend.
39.85	The ¼ sec. cor., which is an iron post, 1 in. in dia., firmly set in a mound of stone, and marked and witnessed as described by the surveyor general.
	I destroy all marks on cor. pertaining to T.20 S.
	Thence
	S.89°49'W., with continuous measurement.
41.06	Westing of 40.00 chs. from the cor. of secs. 4 and 5.
	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor. N. bdy. sec. 5, T.20 S.,R.10 E., with brass cap marked
	¼S5 1919

RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
45.30	Same wash as at 34.00 chs. drains NW.
56.10	Same wash, drains SW.
57.20	Same wash, drains N.70°W.
61.00	Same wash, drains SW.
69.40	Low spur, projects S.; descend.
71.70	Gulch, drains S. about 1 ch. thence SW.; ascend.
74.40	Spur, 30 ft. above gulch, projects SW.; gradually descend.
80.11	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 marked and witnessed as described by the surveyor general.
	I destroy all marks on cor. pertaining to T.20 S.
	Land, rolling and broken hills; general N. exposure and southerly drainage.
	Soil, brown sandy clay and gypsum, mixed with limestone rock; sub-soil, hard, dry clay and rock.
	No timber.
	Undergrowth, shadscale and yellow top. Fair grazing.
	From cor. of secs. 31 and 32.
	West, on resurvey line along S. bdy. sec. 31.
	Over rolling and broken clay and gypsum hills through short shadscale undergrowth.
.95	Westing of 80.00 chs. from cor. of secs. 4 and 5.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 5 and 6, T.20 S.,R. 10 E., with brass cap marked
	T20S | R10E S6 | S5
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
3.70	Wash, 10 lks. wide, 3 ft. deep, drains SW.
6.50	Low spur, projects SW.; gradually descend.

RESURVEY OF THE NORTH BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
11.60	Wash, 10 lks. wide, 2 ft. deep, drains SW.; gradually ascend.
14.30	Low spur, projects SW.; descend.
20.40	Wash, 50 lks. wide, 10 ft. deep, drains S.80°W. about 5 chs., thence NW.
23.80	Same wash, drains NW.
40.10	The ¼ sec. cor., which is an iron post, 1 in. in dia., extending 12 ins. above ground, firmly set and marked and witnessed as described by the surveyor general. I destroy all marks on cor. pertaining to T.20 S. Continue west with continuous measurement.
40.95	Westing of 40.00 chs. from the cor. of secs. 5 and 6. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. N. bdy. sec. 6, T.20 S., R.10 E., with brass cap marked ¼ S6 1919 Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
42.80	Wash, 20 lks. wide, 5 ft. deep, drains N.70°W.
52.50	Same wash, drains SW.; ascend.
56.40	Low gypsum spur, projects S.; descend.
67.00	Gully, 45 ft. below spur, drains S.
79.40	The closing cor. of T.20 S., Rs. 9 and 10 E. heretofore described.
82.06	The cor. of T. 19 S., Rs. 9 and 10 E. heretofore described. Land, rough, broken clay and gypsum hills; general S. exposure and drainage. Soil, red and brown clay and gypsum; sub-soil, gypsum. No timber. Undergrowth, short shadscale. Poor grazing.

4TH. STANDARD PARALLE SOUTH, THROUGH RANGE 10 EAST

CHAINS	
	I begin at the witness cor. to the standard cor. of T. 20 S., Rs. 9 and 10 E. heretofore described. This witness cor. is 1.40 chs. west of true cor. point.
	Thence
	East, along S. bdy. of sec. 31.
	Over rough mountainous land through scrub cedar and pinon timber and undergrowth of shadscale. Descend abruptly over white sandstone ledges.
1.40	True cor. point for standard cor. of T.20 S., Rs. 9 and 10 E. falls on ledges where cor. cannot be set.
	Thence continue east, counting distances from the true cor. point.
3.00	Foot of ledges and bottom of rocky ravine, 45 ft. below cor., drains SW. about 3 chs., thence W.; ascend abruptly over sandstone ledges and boulders.
12.70	E. brink of ravine, also top of ledges, 135 ft. above bottom, bears NW. and SE.; gradually ascend over rolling mountain top.
24.10	Enter dense scrub cedar and pinon timber, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for standard ¼ sec. cor., with brass cap marked SC ¼ S31 1919 from which A pinon, 18 ins. diam., bears N.40°W., 93 lks. dist., marked S C ¼ S 31 B T A pinon, 10 ins. diam., bears N. 17½°E., 187 lks. dist., marked S C ¼ S 31 B T
42.00	Wash, 10 lks. wide, 2 ft. deep, drains N.70°W.
62.20	Ridge and brink of ravine, 85 ft. above ¼ cor., bears N.20°W. and S.20°E.; leave dense timber, bears with ridge; descend abruptly over sandstone ledges and boulders.
67.40	Wash, 10 lks. wide, 3 ft. deep, in bottom of ravine, 95 ft

4TH. STANDARD PARALLEL SOUTH, THROUGH RANGE 10 EAST.

CHAINS	
	below ridge, drains N.; ascend abruptly over ledges.
71.80	E. brink of ravine, and top of ledges, 110 ft. above bottom, bears N. and SE.; continue over rolling mountain top.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 8 ins. in the ground on solid rock and 20 ins. in a mound of stone for standard cor. of secs. 31 and 32, with brass cap marked

SC
T20S | R10E
S31 | S32
1919

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

No suitable bearing trees are available.

Land, rolling mountain top and rough breaks of ravines; general southwesterly exposure and drainage.

Soil, shallow sandy loam and sandstone rock; sub-soil, dry sand and rocky.

Timber, scrub cedar and pinon.

Undergrowth, shadscale. Fair grazing.

East, along S. bdy. sec. 32.

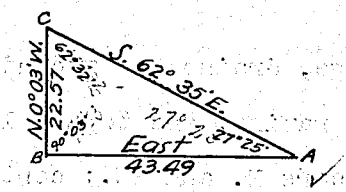
Over rolling mountain top through scattering scrub cedar and pinon timber and undergrowth of shadscale.

2.47 W. brink of Saddle Horse Canyon and top of perpendicular sandstone ledge, 300 ft. high, bears N. and SE. To determine distance across canyon, I triangulate as follows:

Set flag "A" on narrow point on E. side of canyon, I then return to cor. of secs. 31 and 32 which I designate "B" and measure a base line N.0°03'W., 22.57 chs. to point "C". The line AC bears S.62°35'E. All bearings are taken by direct reading of the solar and angles are determined by deflection.

4TH. STANDARD PARALLEL SOUTH, THROUGH RANGE 10 EAST.

CHAINS



Distance by triangulation = 43.49 chs.

43.49 To point of triangulation on narrow ledge point of canyon, projects NW.; the bottom of Saddle Horse Canyon is west about 20 chs. and is approximately 700 ft. deep

40.00 Point for standard ¼ sec. cor. falls on ledge where cor. point cannot be reached.

43.49 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone on solid rock for witness cor. to the standard ¼ sec. cor. with brass cap marked

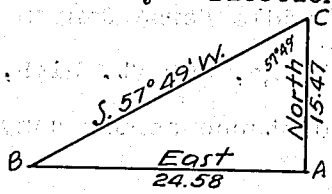
SC
¼ S32

WC 1919

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

From this point the line east passes over deep fork of Saddle Horse Canyon, rimed with high sandstone ledges and cannot be chained. I triangulate as follows:

Set point "A", East on line and erect flag "B" at this point, then from point "A" measure base line North, 15.47 chs. to point "C". The line BC bears S.57°49'W. All bearings determined by direct reading of the solar and angles determined by deflection.



Distance by triangulation = 24.58 chs.

Total distance on true line = 68.07 chs.

68.07 To E. point of triangulation on top of high ledges and brink of canyon, bears N. and S. The bottom of the fork of Saddle Horse Canyon is west about 14 chs. and is approximately 450 ft. deep.

Thence over rolling mountain top.

4TH. STANDARD PARALLEL SOUTH, THROUGH RANGE 10 EAST

CHAINS	
80.00	On S. point of high sandstone knoll.
	Set an iron post, 3 ft. long, 2 ins. in dia., 4 ins. in the ground on solid rock and 22 ins. in a mound of stone for standard cor. of secs. 32 and 33, with brass cap marked
	SC T20S | R10E S32 | S33 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees are available.
	Land, rolling benches and rough, ledgy canyons; general NW. exposure and drainage.
	Soil, sandstone rock and shallow sandy loam; sub-soil, rocky.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Land too rough for grazing.
	East, along S. bdy. sec. 33.
	Over rough mountainous land through scattering scrub cedar and pinon timber and undergrowth of shadscale and yellow top.
1.10	Small gully, drains N.; ascend.
13.80	Rocky spur, 55 ft. above gully, projects SW.; descend
15.10	Small gully, drains N.; ascend.
20.10	Rocky spur, 105 ft. above gully, projects SW.; descend.
25.40	Wash, 50 lks. wide, 3 ft. deep, 60 ft. below spur, drains N. about 3 chs.; thence W.
34.40	Leave timber and enter rolling mountain top, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for standard ¼ sec. cor., with brass cap marked
	SC ¼ S 33 1919

4TH. STANDARD PARALLEL SOUTH, THROUGH RANGE 10 EAST

CHAINS	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
76.00	Enter scattering scrub cedar and pinon timber, bears N. and S.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for standard cor. of secs. 33 and 34, with brass cap marked

SC
T20S | R10E
S33 | S34

1919

from which

A pinon, 16 ins.diam.,bears N.72¾°E., 641 lks. dist.,marked S C T 20 S R 10 E S 34 B T

A pinon, 8 ins.diam.,bears N.37°40'W., 115 lks. dist.,marked S C T 20 S R 10 E S 33 B T

Land, rough mountains in the western portion, rolling mountain top in the eastern portion of mile; general southwestern exposure and drainage.

Soil, sandy loam and sandstone rock; sub-soil, dry sand and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, shadscale. Good grazing on eastern portion of mile.

	East, along S. bdy. sec. 34.
	Over rolling mountain top, through scattering scrub cedar and pinon timber and undergrowth of shadscale.
2.00	Wash, 20 lks. wide, 5 ft. deep, drains N.
15.60	Wash, 15 lks. wide, 2 ft. deep, drains NW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for standard ¼ sec. cor., with brass cap marked

SC
¼ S34

1919

4TH. STANDARD PARALLEL SOUTH, THROUGH RANGE 10 EAST.

CHAINS	
	from which
	A pinon, 18 ins.diam.,bears N.56°E., 323 lks. dist.,marked S C ¼ S 34 B T
	A pinon, 6 ins.diam.,bears N.12°20'W., 78 lks. dist.,marked S C ¼ S 34 B T
58.60	Wash, 10 lks. wide, 2 ft. deep, drains NE.
69.20	Wash, 30 lks. wide, 10 ft. deep, drains NW.
79.50	Top of low sandstone reef, 65 ft. above wash, bears NW. and S.85°E.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in a large mound of stone on solid rock, on S. face of broken sandstone reef, for standard cor. of secs. 34 and 35, with brass cap marked

SC
T20S | R10E
S34 | S35
1919

from which

A pinon, 10 ins.diam.,bears N.31°40'E., 86 lks. dist.,marked S C T 20 S R 10 E S 35 B T

A pinon, 10 ins.diam.,bears N.51½°W., 5 lks. dist.,marked S C T 20 S R 10 E S 34 B T

Land, rolling mountain top, drains NW.

Soil, sandy loam, streaked with sandstone rock; sub-soil, dry sand and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, shadscale and yellow top. Good grazing.

East, along S. bdy. sec. 35.

Over rolling and broken mountain top, through scattering scrub cedar and pinon timber and undergrowth of shadscale and juniper. Gradually ascend.

6.00 Low spur, 30 ft. above cor., projects NW.; gradually descend.

20.40 Head of draw, drains NW.; a low saddle bearing NE. and SW. between two sandstone reefs, bears SE. about 5 chs. Ascend abruptly sandstone reef bears NW. and SE.

4TH. STANDARD PARALLEL SOUTH, THROUGH RANGE 10 EAST.

CHAINS	
23.70	Top of ledge and reef, 55 ft. above draw, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for standard ¼ sec. cor., with brass cap mar.

SC
¼ S 35
———
1919

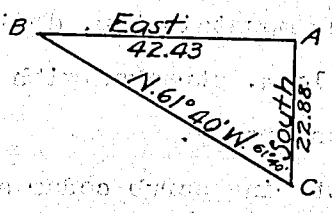
from which

A pinon, 10 ins.diam.,bears N.51¼°E., 83 lks. dist.,marked S C ¼ S 35 B T

A pinon, 10 ins.diam.,bears N.41°15'W., 7 lks. dist.,marked S C ¼ S 35 B T

52.70	Top of sandstone ledge about 150 ft. high, bears N.20°E. and SW., also edge of impassable box canyon across which I cannot chain. To determine distance across canyon, I triangulate as follows:

Set flag "A" on line on E. side of canyon and erect flag "B" at this point. From A measure a base line south, 22.88 chs. to point "C". The line BC bears N.61°40'W. All bearings taken by direct reading of the solar and angles determined by deflection.



Triangulated distance	=	42.43 chs.
Total distance	"	95.13 chs.
Distance by return measurement		4.80 chs.

90.33	Top of ledge and E. brink of canyon, bears N. and SW. It is impossible to set cor. at its true point, I therefore establish witness cor. at this point as follows:

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in a large mound of stone on solid rock for witness cor. to the standard cor. of secs. 35 and 36, with brass cap marked

4TH. STANDARD PARALLEL SOUTH, THROUGH RANGE 10 EAST.

CHAINS

SC
T20S | R10E
S35 | S36
WC
1919

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

This witness cor. is 10.33 chs. east of true position for cor., and stands on the E. brink of a box canyon about 1000 ft. deep, draining N.

Land, rough mountainous and rolling and broken mountain top, general N. exposure and drainage.

Soil, shallow sandy loam and rocky of sandstone formation; sub-soil, sand and rock.

Timber, scattering scrub cedar and pinon.

Undergrowth, shadscale and juniper. Fair grazing on western portion of mile.

East, along S. bdy. sec. 36., counting distances from true cor. point.

Over rough mountainous land through undergrowth of shadscale and juniper. Ascend precipitous W. slope of box canyon over sandstone ledges and boulders.

10.33 Top of E. brink of canyon and ledge about 60 ft. high, bears N. and SW. The witness cor. to cor. of secs. 35 and 36. Thence over broken mountain top, scattering scrub cedar and pinon timber, shadscale and juniper undergrowth. Considerable solid sandstone exposed. Gradually ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for standard ¼ sec. cor., with brass cap marked

SC
¼S36

1919

from which

A pinon, 8 ins. diam., bears N.80½°E., 116 lks. dist., marked S C ¼ S 36 B T

EAST BOUNDARY OF T.20 S.,R.10 E.

CHAINS	
	A pinon, 8 ins.diam.,bears N.55°25'W., 92 lks. dist.,marked S C ¼ S 36 B T
47.20	Top of high sandstone ledge and break of mountain, bears S.20°W., NE. about 15 chs., thence NW. Further measurement along this line is impossible on account of high ledges and inaccessible counrty.
	Land, rough bench; N. exposure and drainage.
	Soil, sandstone rock.
	Timber, scattering scrub cedar and pinon. Undergrowth, shadscale. Poor grazing.

EAST BOUNDARY OF T.20 S.,R.10 E.

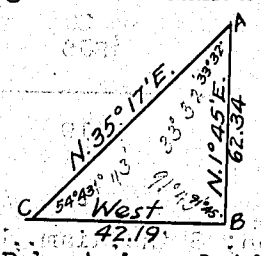
The S. 5 miles of this boundary pass over high ledges and rugged breaks of mountain and are unsurveyable. The cor. of secs. 1,6,7 and 12 is established by running East, 80.00 chs. from the cor. of secs. 1,2, 11 and 12, T.20 S.,R.10 E. For description of cor. see line bet. secs. 1 and 12, T.20 S.,R.10 E. I complete remainder of boundary as follows:

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

North, on true line bet. secs. 1 and 6.

Over rough and rugged mountainous land. The line north crosses impassable box canyon over which I cannot chain, I therefore triangulate as follows:

From cor. of secs. 1,6,7 and 12, set flag "A", N.1°45' E. on N. break of canyon. Designate the cor. of secs. 1,6,7 and 12 "B" and then measure the base line BC west, 42.19 chs. to point where the line AC bears N.35°17'E. All bearings taken by direct reading of the solar and angles determined by deflection.



Distance of line AB by triangulation = 62.34 chs.

Reduced to distances on true line = northing 62.31 chs.

EAST. BOUNDARY OF T.20 S.,R.10 E.

CHAINS

and easting of 1.90 chs.

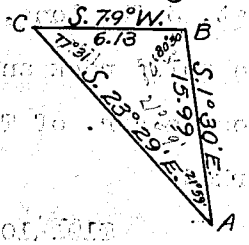
I now offset west, 1.90 chs. to true line at

62.31 Point on top of ledges and N. brink of box canyon, bears E. and W. To eastablish the ¼ sec. cor., I proceed as follows:

Being unable to chain south, I triangulate to a narrow point projecting into main canyon as follows:

From my 62.31 ch. point on true line I set flag "A", S.1°30'E., desginate the 62.31 ch. point "B" and measure base line S.79°W., 6.13 chs. to point"C"

The line AC bears S.23°29'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance of line AB by triangulation = 15.99 chs., or southing of 15.98 chs. and easting of .42 chs.

Total distance from cor. of secs. 1,6,7 and 12 = 46.33 chs. northing and .42 chs. easting. I am unable to return to true line on account of ledges, therefore at this point;

46.33 On offset 42 lks. E. of true line.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone on solid rock for witness cor. to the ¼ sec. cor., with brass cap marked

¼
S1 | S6
WC
1919

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

Cor. stands on narrow ledge point projecting SW about 2 chs. to end of same. It is impossible to reach the true point for ¼ sec. cor. as same falls on ledges.

Thence from 62.31 ch. point.

North, on true line bet. secs. 1 and 6.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Thence over rolling mountain top, through scrub cedar and pinon timber and undergrowth of shadscale.
76.10	Top of ledge and brink of ravine, bears NE. and SW.; descend abruptly.
81.90	Bottom of ravine, 100 ft. below brink, drains SW.; ascend abruptly over ledges.
85.30	Top of ledge and N. brink of ravine, 90 ft. above bottom, bears NE. and SW.
86.79	Intersect N. bdy. of the tp., 1.92 chs. N.89° 56'W. of the cor. of T. 19 S., Rs. 10 and 11 E. heretofore described. At intersection,

Set an iron post, 3 ft. long, 3 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for closing cor. of T.20 S.,Rs. 10 and 11 E., with brass cap marked

T19SR10E
S36
S1 | S6
CC
R10E R11E
T20S
1919

from which

A pinon, 10 ins.diam.,bears S.46°E., 38 lks. dist.,marked C C T 20 S R 11 E S 6 B T

A pinon, 12 ins.diam.,bears S.45½°W., 56 lks. dist.,marked C C T 20 S R 10 E S 1 B T

Land, rough mountainous; general S. exposure and drainage.

Soil, sandstone rock and shallow sandy loam; sub-soil, rocky.

Timber, scrub cedar and pinon.

Undergrowth, shadscale. Fair grazing on northern portion of mile.

SUBDIVISION OF T.20 S.,R.10 E.

I begin at the witness cor. to the standard cor. of secs. 35 and 36 on the S. bdy. of the tp. heretofore described.

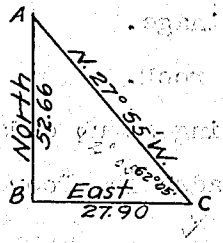
SUBDIVISION OF T.20 S., R.10 E.

CHAINS

North, bet. secs. 35 and 36 on 10.33 chs. offset line.
I am unable to run north from true cor. point as line strikes series of high ledges on E. side of box canyon.

6.88 Top of high sandstone ledge and brink of mountain top, Bears E., W. about 2 chs., thence S. The line north crosses a deep box canyon with walls of sandstone. Further measurement impossible, I therefore triangulate as follows:

Set flag "A" on N. side of canyon, north of this point, then, from witness cor. to standard cor. of secs. 35 and 36 which I designate "B" measure a base line East, 27.90 chs. to point "C". The line AC bears N.27°55'W. All bearings taken my direct reading of the solar and angles checked by deflection.



Distance by triangulation = 52.66 chs.

52.66 Point of triangulation on N. side of canyon, 10.31 chs. E. of true line.

Thence west, 7.39 chs. to

52.66 Point 2.92 chs. E. of true line on top of ledge 175 ft. high and W. brink of bench, bears N.20°W., S.10°E. about 3 chs., thence E. I am unable to chain south or reach true line from this point, therefore

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone on solid rock for witness cor. to the ¼ sec. cor., with brass cap marked

¼
S35 | S36
WC
1919

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

Thence

N.0°01'W., on 2.92 chs. offset, counting distances from

SUBDIVISION OF T. 20 S., R. 10 E.

CHAINS	
	true point for standard cor. of secs. 35 and 36.
	Along top of ledge and W. brink of bench.
60.76	Thence N. 51°W., 2.00 chs. to point 62.02 chs. N.0°01'W. and 1.34 chs. E. of the standard cor. of secs. 35 and 36
62.02	Point of bench and top of ledge, 100 ft. high, bears SE. and S.10°W. Impossible to reach true line west or continue north from this point, therefore,
	Mark gray sandstone surface rock WC for witness cor. to the cor. of secs. 25,26,35 and 36; raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
80.00	Point for cor. of secs. 25,26,35 and 36 falls on ledges where cor. cannot be set.
	Land, rough mountainous breaks of canyons; W. exposure and north drainage.
	Soil, sandstone rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Poor grazing.

East, on true line bet. secs. 25 and 36.

Over very rough and rugged mountainous land through scattering scrub cedar and pinon timber and undergrowth of shadscale. The line east from true cor. point for sec 25,26,35 and 36 ascends precipitous sandstone wall of canyon, I therefore begin at the witness cor. to secs. 25,26,35 and 36 which is 17.98 chs. S. and 1.34 chs. E. of true cor. point.

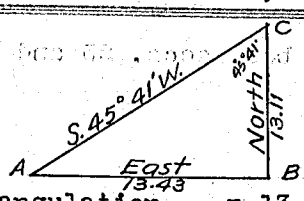
Thence East on offset line bet. secs. 25 and 36.

To determine distance across canyon, I triangulate as follows:

Erect flag "A" at witness cor., then set flag "B" east of flag"A". Measure base line North from point "B" 13.11 chs. to point "C". The line AC bears S.45°41'W. All bearings determined by direct reading of the solar and angles checked by deflection.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS



Distance by triangulation = 13.43 chs.

ThenceN.0°01'W17.98 chs. to true line at

14.77 This point on true line is about 2 chs. E. of the rim of canyon wall bearing NE. and S. I am unable to continue east on true line on account of high ledges and a broken mountain top which I am unable to ascend. Offset North, 5.27 chs., then on offset line East, 40.00 chs.(counted from true cor. point for secs. 25,26,35 and 36) Along rough N. break of mountain over ledges and boulders. I am unable to offset to true line at this point, therefore continue East, to 40.89 chs., then

South, 94. lks. to

40.89 A point 4.33 chs. N. and 89 lks. E. of true cor. point for ¼ sec. cor. I am unable to reach true line from any direction, therefore at this point

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

¼ S25 / S36 / WC / 1919

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

Cor. stands at base of N. point of a high ledge and in the south side of a low saddle in ridge bearing N. and S. The line east descends over high ledges and breaks of mountain over which I am unable to continue my survey.

Land, rough mountainous; general exposure and drainage W.

Soil, sandstone rock and shallow sandy clay; sub-soil, rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, shadscale. Poor grazing.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS

Note: The line bet. secs. 25 and 36 was double chained and flagged.

N.0°01'W., bet. secs. 25 and 26.

Over rough and rugged mountainous land along W. slope and break of box canyons, series of sandstone ledges and large sandstone boulders. Being unable to proceed N. from true cor. point of secs. 25,26,35 and 36 I begin at the witness cor. to same which is 17.98 chs. S. and 1.34 chs. E. of true cor. point.

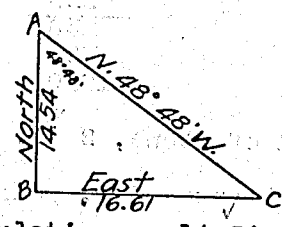
Thence as follows:

East, 13.43 chs. by triangulation (see line bet. secs. 25 and 36) to point 14.77 chs. E. of true line.

Thence North, 23.25 chs. to point 14.77 chs. E. and 5.27 chs. N. of true cor. point; then

East, 9.50 chs.; thence North by triangulation across canyon as follows:

Set flag "A" North on N. side of canyon; then from my 9.50 chs. point on offset line which I designate "B", measure a base line East, 16.61 chs. to point "C". The line AC bears N.48°48'W. All bearings taken by solar and angles determined by deflection.



Distance by triangulation = 14.54 chs.

It is impossible reach true line or run by regular offsets from this point on account of high ledges and walls of box canyons, I therefore continue the line by traverse along the E. wall of deep box canyon.

West, 6.97 chs.

N.55°30'W., 9.88 chs.

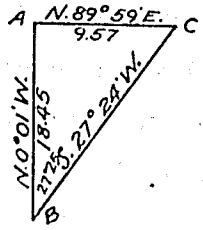
N.28°W., 4.27 chs.

N.15°30'W., 8.35 chs.

N.46°W., 3.54 chs.

N.68°30'W., 2.52 chs.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	West, 5 lks. to true line at
40.61	Top of narrow ledge point of bench, bears W. and SE.
	It is impossible to measure south on account of ledges, the ¼ sec. cor. falls on same and cor. point cannot be reached, therefore at this point,
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground in crevice of rock for witness cor. to the ¼ sec. cor., with brass cap marked
	¼ S26 | S25 W C 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	The line north crosses box canyon, across which I triangulate as follows:
	Set flag "A" on line north, and erect flag "B" at witness cor. to ¼ sec. cor., then, from "A" measure base line N.89°59'E., 9.57 chs. to point "C". The line BC bears S.27°24'W. All bearings taken with solar and angles determined by deflection.
	
	Distance by triangulation = 18.46 chs.
	Total distance on true line = 59.07 chs.
59.07	N. side of box canyon and top of ledge 50 ft. high, bears E. and W. The canyon across which triangulation is made is about 400 ft. deep, lined with walls of sandstone and drains W.
	Ascend abruptly S. face of break of ledge.
66.11	Foot of sandstone ledge about 200 ft. high, bears E. and W.
	I am unable to ascend this ledge or continue my line north by offsets, triangulations or traverse, therefore at this point,

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for witness cor. to the cor. of secs. 23,24,25 and 26, with brass cap marked
	WC T20S S23 | R10E S24 S26 | S25 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
80.00	Point for cor. of secs. 23,24 25 and 26 on inaccessible country, no cor. set.
	Land, rough mountains on E. break of deep box canyons. General drainage N.
	Soil, soild sandstone rock.
	Timber, a few scattering scrub cedar and pinon.
	Undergrowth, shadscale.
	From the standard cor. of secs. 34 and 35 on the S. bdy. of the tp. heretofore described.
	N.0°01'W., bet. secs. 34 and 35.
	Over rolling and broken mountain top, through scattering scrub cedar and pinon timber and undergrowth of shadsc and grass. Ascend.
1.90	Spur, 20 ft. above cor., projects NW.; descend.
9.50	Wash, 10 lks. wide, 3 ft. deep, in shallow draw, 35 ft. below spur, drains NW.
16.40	Wash, 50 lks. wide, 15 ft. deep, drains NW.
19.10	Low rocky point, projects NW.; timber becomes very scattering and land is nearly level.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S34 | S35 1919
	from which

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS

A pinon, 14 ins.diam.,bears N.74¼°E., 242 lks. dist.,marked ¼ S 35 B T

A cedar, 10 ins.diam.,bears S.74°40'W., 449 lks. dist.,marked ¼ S 34 B T

50.00 Enter dense scrub cedar and pinonetimber, bears E. and W. W. about 5 chs. distance is the S. point of a high sandstone spur which projects from the N. Thence along E. slope near foot of ledge running N. and S.

58.90 Wash, 10 lks. wide, 3 ft. deep, drains NE.

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

T20S	R10E
S27	S26
S34	S35

1919

from which

A pinon, 14 ins.diam.,bears N.80°40'E., 178 lks. dist.,marked T 20 S R 10 E S 26 B T

A pinon, 12 ins.diam.,bears S.38°E., 270 lks. dist.,marked T 20 S R 10 E S 35 B T

A pinon, 8 ins.diam.,bears S.58°W., 228 lks. dist.,marked T 20 S R 10 E S 34 B T

A pinon, 8 ins.diam.,bears N.3°15'W., 111 lks. dist.,marked T 20 S R 10 E S 27 B T

Land, rolling mountain top, general NE. exposure; drainage NW. on S½ mile and NE. on north half mile.

Soil, brown sandy loam mixed with sandstone rock; subsoil, dry sand.

Timber, scrub cedar and pinon.

Undergrowth, shadscale. Good grazing.

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

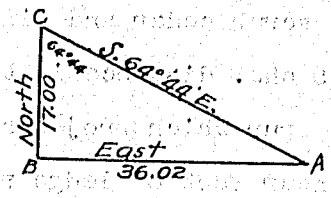
18.64 W. brink box canyon across which I cannot chain. Triangulate as follows:

Set flag "A" on line on E. side; designate this point "B"

SUBDIVISION OF T. 20 S., R. 10 E.

CHAINS

and then measure base line BC, North, 17.00 chs. The line AC bears S.64°44'E. All bearings taken by direct reading of the solar and angles checked by deflection.



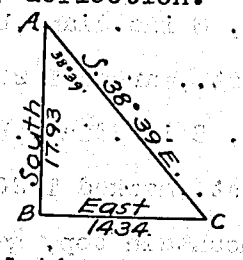
Distance by triangulation = 36.02 chs.

Total distance on random line = 54.66 chs.

Point for temp. ¼ sec. cor. falls on inaccessible ledge no cor. set; temp. ¼ sec. cor. left at this point.

66.81 Brink of box canyon, impossible to chain; triangulate as follows:

Designate this point "A" and measure base line AB, South 17.93 chs. From point "B" set point "C" east at a point 5 lks. N. of the witness cor. to cor. of secs. 25,26,35 and 36 (Witness cor. 17.98 chs. S. and 1.34 chs. E. of true line) The line AC bears S.38°39'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation = 14.34 chs.

Total distance = 81.15 chs.

81.15 Intersect N. and S. line 5 lks. N. of the witness cor. to cor. of secs. 25,26,35 and 36 (witness cor. 17.98 chs. S. and 1.34 chs. E. of true cor. point) Unable to reach cor. point. The bearing of this line is therefore N.89°58'W. and the distance is 79.81 chs.

Thence

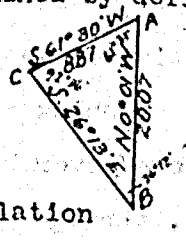
N.89°58'W., on true line bet. secs. 25 and 36 counting distances from true cor. point.

Over rough and rugged mountainous land across box canyon draining N. and rimed with series of sandstone ledges

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
13.00	Point of triangulation on top of ledge and rim of box canyon, bears N. and S.; canyon about 800 ft. deep and drains N. Thence across rocky bench, bears N. and S.
25.15	Point of triangulation on top of ledge and E. brink of box canyon, bears N. and S. Unable to reach true point for ¼ sec. cor., therefore, at this point,
	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked
	WC ¼ S26 / S35 1919
	from which
	A pinon, 8 ins. diam., bears N. 61° E., 173 lks. dist., marked W C ¼ S 26 B T
	A pinon, 12 ins. diam., bears S. 39¼° E., 163 lks. dist., marked W C ¼ S 35 B T
	Thence across box canyon by triangulation. Canyon about 1000 ft. deep and drains N.
39.90½	Point for ¼ sec. cor. on inaccessible ground. No cor. set.
61.17	Point of triangulation on top of sandstone ledge about 100 ft. high and W. brink of box canyon, bears N. and S.; gradually ascend over broken sandy and rocky bench sloping E., through pinon and cedar timber and undergrowth of shadscale.
79.80	The cor. of secs. 26,27,34 and 35.
	Land, rolling and broken benches, cut by deep box canyons; general N. exposure and drainage.
	Soil, loose red sand and sandstone rock; sub-soil, rocky.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Fair grazing on benches.
	N. 0° 01' W., bet. secs. 26 and 27.
	Over rough, broken bench land sloping E., through scattering cedar and pinon timber and undergrowth of shadscale.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
6.60	Wash, 25 lks. wide, 10 ft. deep, drains NE.
17.50	Wash, 25 lks. wide, 10 ft. deep, drains NE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	S27 | S26 1919
	from which
	A pinon, 14 ins.diam., bears N.76½°E., 132 lks. dist., marked ¼ S 26 B T
	A pinon, 10 ins.diam., bears S.40½°W., 58 lks. dist., marked ¼ S 27 B T
45.02	S. brink of box canyon and top of high sandstone ledge, bears NE. and SW. To determine distance across canyon triangulate as follows:
	Set flag "A" on line on N. side of canyon and erect flag "B" at this point, then, from "A" measure base line AC, S.61°30'W., 8.87 chs. The line BC bears S.26°13'E. All bearings determined by direct reading of the solar and angles determined by deflection.
	
	Distance by triangulation = 20.07
	Total distance on true line = 65.09
65.09	N. point of triangulation on top of sandstone ledge and N. side of box canyon, bears NE. and SW. Canyon about 700 ft. deep and drains NE.
	Thence over rough, rocky bench.
72.30	Wash, 30 lks. wide, 3 ft. deep, drains NE.
78.83	Point for cor. of secs. 22,23,26 and 27 will fall on face of sandstone ledge where cor. cannot be set therefore at this point,
	Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for witness cor. to the cor. of secs. 22,23,26

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS

and 27, with brass cap marked

WC
T20S | R10E
S22 | S23
S27 | S26
1919

from which

A pinon, 10 ins.diam.,bears S.84½°E., 172 lks. dist.,marked W C T 20 S R 10 E S 26 B T

No other suitable trees available.

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

Cor. stands at foot of high sandstone ledge, bears NE. and SW.

80.00 Point for cor. of secs. 22,23,26 and 27 on ledge. No. cor. set.

Land, rolling and broken benches cut by box canyons; general E. exposure and N. drainage.

Soil, deep, loose red sand and sandstone rock; sub-soil, rocky.

Timber, scrub cedar and pinon.

Undergrowth, shadscale. Good grazing on benches.

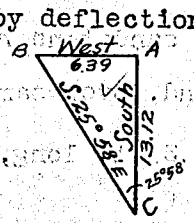
N.0°01'W., bet. secs. 22 and 23.

The line N. passes over high sandstone ledges and bench up which I cannot chain or triangulate, therefore offset as follows:

S.0°01'E., 1.79 chs. counted from true cor. point.

Thence, West by triangulation over ledges to top of bench as follows:

Erect flag "A" at this point and set flag "B" west, on top of ledge and bench, then, measure a base line AC, south, 13.12 chs. The line BC bears S.25°58'E. All bearings taken by direct reading of the solar and angles determined by deflection.



SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	Distance by triangulation = 6.39 chs.; then
	N.0°01'W., on 6.39 chs. offset, 1.79 chs. to point west of true cor. point for secs. 22,23,26 and 27., thence
	N.0°01'W., counting distances from this point.
	Over rolling mountain top or bench, through dense pinon and cedar timber and undergrowth of shadscale.
10.60	Top of ledge 25 ft. high and brink of bench, bears NE. and SW.; descend abruptly over sandstone ledges and boulders.
26.10	Head of box canyon, 160 ft. below bench, drains E.; thence over very rocky bench.
40.00	Offset East, 6.39 chs. to true line, on which
	Set an iron post, 3 f t. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S22 | S23 1919
	from which
	A cedar, 10 ins.diam.,bears N.40½°E., 5 lks. dist.,marked ¼ S 23 B T
	A cedar, 10 ins.diam.,bears N.57°W., 45 lks. dist.,marked ¼ S 22 B T
	Note: It was impossible to reach true line to the south on account of high ledges on breaks of bench and a deep box canyon.
	Thence N.0°01'W., on true line.
	Continue over rocky sandstone bench.
54.90	Top of sandstone knoll; thence on top of a narrow sandstone spur projecting N.
64.51	The line N. about 2 chs. distant strikes the E. side of a sandstone pinnacle and the N. point of sandstone spur. Further measurement along line impossible on account of impassable ledges, therefore, at this point,
	Mark X on solid sandstone rock for exact point for witness cor., and, over same,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	a large mound of stone for witness cor. to the cor. of secs. 14,15,22 and 23, with brass cap marked
	WC T20S | R10E S15 | S14 S22 | S23 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
80.00	Point for cor. of secs. 14,15,22 and 23 on inaccessible ground. No cor. set.
	Land, rough mountains, breaks of benches, box canyons and rolling benches; general N. exposure and drainage.
	Soil, shallow loose sand and sandstone rock; sub-soil, rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Poor grazing.
	From the standard cor. of secs. 33 and 34 on the S. bdy. of the tp. heretofore described
	N.0°02'W., bet. secs. 33 and 34.
	Over rolling mountain top, through scattering scrub cedar and pinon timber and undergrowth of sagebrush.
18.00	Wash, 20 lks. wide, 4 ft. deep, drains NW.
19.20	Foot of sandstone butte about 200 ft. high, bears E. and W.; to pass same I offset as follows:
	West, 4.90 chs.; then
	N.0°02'W. 40.00 chs., counted from sec. cor.; along W. side of butte; then
	East, 4.90 chs. to true line, on which at
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S33 | S34 1919
	from which
	A pinon, 12 ins.diam.,bears N.28°25'E., 96 lks. dist.,marked ¼ S 34 B T

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	A pinon, 10 ins.diam.,bears N.13°45'W., 541 lks. dist.,marked ¼ S 33 B T
52.50	Top of rocky ridge, 55 ft. above ¼ sec. cor., bears NW. and SE.; descend.
54.36	The line N. passes over the E. point of a series of sandstone ledges, to pass which, I offset as follows: East, .98 chs., then N.0°02'W. on offset line counting distances from sec. cor.
61.30	Wash, 50 lks. wide, 4 ft. deep, 160 ft. below ridge, drains W.; ascend.
67.50	Point of rocky spur, 115 ft. above wash, projects NW.; descend.
80.00	Offset .98 chs. west to true line on which
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

T20S S28	R10E S27
S33	S34

1919

from which

A pinon, 10 ins.diam.,bears N.57¾°E., 133 lks. dist.,marked T 20 S R 10 E S 27 B T

A pinon, 8 ins.diam.,bears S.54¾°E., 32 lks. dist.,marked T 20 S R 10 E S 34 B T

A pinon, 16 ins.diam.,bears S.64°40'W., 110 lks. dist.,marked T 20 S R 10 E S 33 B T

A pinon, 8 ins.diam.,bears N.56¾°W., 110 lks. dist.,marked T 20 S R 10 E S 28 B T

Land, rolling mountain top, broken by sandstone buttes and outcroppings; general N. exposure and drainage.

Soil, sandy loam and sandstone rock; sub-soil, dry sand and rock.

Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush. Good grazing.

East, on a random line bet. secs. 27 and 34.

SUBDIVISION OF T. 20 S., R. 10 E.

CHAINS.	
40.00	Set temp, ¼ sec.cor.
80.08	Intersect N. and S. line 5 lks.N.of the cor.of secs.26, 27, 34, and 35. Thence
	N. 89° 58' W. on true line bet.secs.27 and 34,
	Over sandy bench land through scattering cedar and pinon timber and undergrowth of shadscale.
4.10	Wash 20 lks.wide, 3 ft.deep, drains NE.; leave bench and enter rough mountainous land, bears N. and S. Ascend E. slope over sandstone ledges and outcroppings.
14.10	Sandstone ridge, 130 ft. above sec.cor., bears NW. and SE. Desc. over SW. slope, sandstone ledges and outcroppings.
35.30	Wash, 10 lks.wide, 4 ft.deep, 140 ft. below ridge, drains SW.; thence over rolling bench. A high sandstone wall bearing E. and W., bears N. 5 to 10 chs.distant.
37.80	Same wash, drains NW.
40.04	Set an iron post, 3 ft.long, 1 in.in dia., 12 ins.in the ground, on solid rock and 14 ins.in a mound of stone for ¼ sec.cor., with brass cap marked
	¼ S27/S34 1919
	from which
	A pinon, 12 ins.diam., bears S. 61° W. 83 lks. dist., marked ¼ S 34 B T
	A pinon, 10 ins.diam., bears N. 70° W. 74 lks. dist., marked ¼ S 27 B T
62.30	Wash, 20 lks.wide, 5 ft.deep, drains NW.
72.60	Wash, 50 lks.wide, 15 ft.deep, drains NW.
80.08	The cor.of secs.27, 28, 33, and 34.
	Land, mountainous and broken bench lands; general S. exposure and N. drainage.
	Soil, loose red sand and sandstone rock; subsoil, dry sand and rocky.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Fair grazing.

Chains.

N. 0° 02' W. bet. secs. 27 and 28,

The line N. passes over the W. end of high sandstone spurs over which I am unable to chain or triangulate. To avoid delays in making regular offsets, I traverse as follows:

N. 10° W. 12.01 chs.

Over rough mountainous land; through dedar and pinon timber and undergrowth of shadscale.

chs.
9.90 Wash 50 lks. wide, 10 ft. deep, 45 ft. below cor. drains NW.

12.01 Ledge point projects NW., 60 ft. above wash.

Thence N. 6° 30' W. 13.52 chs.

8.70 Wash, in wide canyon, 25 lks. wide, 5 ft. deep, 55 ft. below point, drains W. 10.00 chs., thence NW.

13.52 Point of sandstone ledge, projects W.

Thence

North 14.74 chs.

12.34 Wash, in canyon, 75 lks. wide. 15 ft. deep, drains W.

14.74 Offset 3.60 chs. E. to true line, on which at

40.00 Mark cross (X) on sandstone surface for exact point for $\frac{1}{4}$ sec. cor., and over same,

Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S 28 | S 27

1919

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

No suitable trees available.

Ascend abruptly S. face of high sandstone ledges.

47.50 Top of ledges and brink of bench, 230 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.; thence over rolling bench.

49.20 Enter dense cedar and pinon timber, bears E. and W.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 10 ins. in the ground on solid rock and 14 ins. in a mound of stone for cor. of secs. 21,22,27 and 28, with brass cap marked

T20S S21	R10E S22
S28	S27

1919

from which

A cedar, 10 ins.diam.,bears N.51½°E., 30 lks. dist.,marked T 20 S R 10 E S 22 B T

A cedar, 10 ins.diam.,bears S.64°25'E., 28 lks. dist.,marked T 20 S R 10 E S 27 B T

A cedar, 12 ins.diam.,bears S.42°20'W., 245 lks. dist., marked T 20 S R 10 E S 28 B T

A pinon, 8 ins.diam.,bears N.41°40'W., 250 lks. dist.,marked T 20 S R 10 E S 21 B T

Land,. S. 47.50 chs., rough mountainous; general W. exposure and NW. drainage.N. 32.50 chs. rolling bench, drains NW.

Soil, mountainous land, chiefly sandstone bedrock with scattering patches of deep, loose red sand. Soil of bench, sandy loam; sub-soil, dry sand and sandstone and limestone rock.

Timber, cedar and pinon.

Undergrowth, shadscale. Good grazing on N.32.50 chs.

S.89°58'E., on a random line bet. secs. 22 and 27.

40.00 Set temp. ¼ sec. cor.

73.66 Intersect offset line bet. secs. 22 and 23 at a point 6.39 chs. W. and 9 lks. S. of the true cor. point for secs. 22,23,26 and 27.

80.05 (Computed from offset line) Intersect N. and S. line 9 lks. S. of the true cor. point of secs. 22,23,26 and 27.

Thence

S.89°58'W., on true line bet. secs. 22 and 27, counting distances from true cor. point.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Over rough mountainous land. Ascend abruptly over ledges on E. break of bench.
6.39	Top of ledges and brink of bench, 200 ft. above sec. cor., bears S. and NE.; thence over bench land through cedar and pinon timber and undergrowth of shadscale.
14.60	Brink of bench, bears N., S. about 4 chs., thence W.; descend abruptly.
17.85	Head of gulch, 90 ft. below brink, drains N.; ascend abruptly.
21.50	W. brink of gulch, 90 ft. above bottom, bears NW. and SE.; thence across bench.
28.86	E. brink of gulch and leave bench, bears NW. and SE.; descend.
31.45	Bottom of gulch, 80 ft. below top, drains NW.; ascend.
36.65	Point of bench, 85 ft. above gulch, projects N.; descend.
38.00	Base of bench and enter wide draw, bears NE. and SW.
40.02½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S22/S27 1919 from which A pinon, 18 ins.diam., bears N.79¼°E., 178 lks. dist., marked ¼ S 22 B T A pinon, 16 ins.diam., bears S.76°25'E., 268 lks. dist., marked ¼ S 27 B T.
41.80	Junction of washes from the NE. and SE., 15 lks. wide, 3 ft. deep, drains SW.
46.30	Same wash, drains NW.
55.15	Wash, 30 lks. wide, 10 ft. deep, drains N. 50 lks. to junction with wash at 46.30 chs., thence W.
57.70	Wash, 20 lks. wide, 3 ft. deep, drains N.
65.00	Wash, 20 lks. wide, 3 ft. deep, drains N.; ascend.
66.95	Top of brink of bench, bears NW. and SE.; thence across bench.
80.05	The cor. of secs. 21,22,27 and 28.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	Land, rough mountainous and rolling benches; general N. exposure and drainage.
	Soil, brown sandy loam and sandstone rock; sub-soil, dry sand and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, shadscale. Good grazing on benches.
	N.0°02'W., bet. secs. 21 and 22.
	Over rolling bench through dense cedar and pinon timber and undergrowth of shadscale.
3.30	Head of gully, drains NW.
12.80	Same gully, 55 ft. deep, drains NE.
17.50	Large gulch, drains NW.; ascend.
19.60	Point, 30 ft. above gulch, projects W.; descend.
22.60	Same gulch, drains NE.; ascend.
26.30	Rocky point, 45 ft. above gulch, projects E.; gradually descend N. slope.
34.20	Wash, 30 lks. wide, 3 ft. deep, in gulch, drains NW.; gradually ascend rocky SW. slope.
40.00	Mark X on sandstone surface rock for exact point for ¼ sec. cor., and over same,
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked
	¼ S21 | S22 1919
	from which
	A pinon, 10 ins.diam., bears N.88°50'E., 136 lks. dist., marked ¼ S 22 B T
	A pinon, 10 ins.diam., bears N.72°35'W., 88 lks. dist., marked ¼ S 21 B T
43.25	Top of ledge, 10 ft. high and brink of bench, 40 ft. above ¼ sec. cor., bears NW. and SE.; thence over bench.
65.20	Head of gully, drains NW.
72.50	Wash, 10 lks. wide, 3 ft. deep, drains NW.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for cor. of secs. 15,16,21 and 22, with brass cap marked

T20S S16	R10E S15
S21	S22

1919

from which

A pinon, 12 ins.diam.,bears N.75°E., 75 lks. dist.,marked T 20 S R 10 E S 15 B T

A pinon, 14 ins.diam.,bears S.41°10'E., 147 lks. dist.,marked T 20 S R 10 E S 22 B T

A pinon, 10 ins.diam.,bears S.85°15'W., 120 lks. dist.,marked T 20 S R 10 E S 21 B T

A pinon, 10 ins.diam.,bears N.55°10'W., 124 lks. dist.,marked T 20 S R 10 E S 16 B T

Land, rolling bench, cut by numerous gulches draining NW.

Soil, shallow brown sandy loam, mixed with sandstone and limestone rock; sub-soil, sand and rock.

Timber, cedar and pinon.

Undergrowth, shadscale. Good grazing.

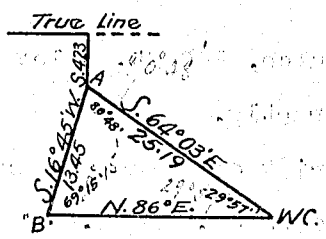
N.89°58'E., on a random line bet. secs. 15 and 22.

40.00 Set temp. ¼ sec. cor.

57.53 Top of high sandstone ledge and brink of mountain top, further measurement impossible. Being unable to reach the true point for cor. of secs. 14,15,22 and 23, I determine the distance to the witness cor. to said cor. as follows:

Offset, south, 4.23 chs.; from this point which I designate "A", the witness cor. to cor. of secs. 14,15, 22 and 23 (witness cor. 15.49 chs. S. of true point) bears S.64°03'E.; I now measure base line AB, S.16° 45'W., 13.45 chs.to point where the witness cor. bears N.86°E. All bearings taken by direct reading of the solar and angles checked by deflection.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	
	Distance bet. point "A" and witness cor. = 25.19 chs.
	or easting of 22.65 chs. and southing of 11.02 chs.
80.18	Total easting of mile
	Total southing = 15.25 chs.
	Witness cor. south of true cor. point = 15.49 chs.
	Total falling computed at true cor. point= .24 chs. S.
	Thence
	S.89°48'W., on true line bet. secs. 15 and 22, counting distances from true cor. point secs. 14,15,22 and 23.
	Over rough mountainous land; triangulation across box canyon about 1000 ft. deep draining N.
22.65	Top of high sandstone ledges and brink of mountain top, bears S.20°W., N.20°E. about 5 chs., thence W. Point for offset and triangulation on random line. Thence over rolling mountain top through dense cedar and pinon timber and undergrowth of sagebrush.
27.45	Head of gulch, drains NW.
40.09	Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground on solid rock and 16 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S15 / S22 / 1919
	from which
	A pinon, 10 ins.diam.,bears N.33¾°E., 83 lks. dist.,marked ¼ S 15 B T
	A pinon, 12 ins.diam.,bears S.2°20'W., 50 lks. dist.,marked ¼ S 22 B T
43.20	Wash, 25 lks. wide, 3 ft. deep, drains N. about 3 chs., thence W.
52.30	Brink of gulch and leave bench, bears NW. and SE.; descend abruptly SW. slope.

SUBDIVISION OF T.20 S.,R.10 E.

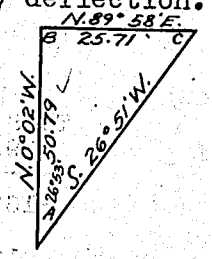
CHAINS	
57.30	Bottom of gulch, 100 ft. below brink, drains NW.; ascend abruptly.
60.15	Top of W. brink of gulch and enter bench, 100 ft. above bottom, bears NW. and S.
68.40	Brink of gulch and leave bench, bears NW. and S.; descend.
70.35	Bottom of gulch, 50 ft. below top, drains NW.; ascend.
73.30	W. brink of gulch and enter bench, bears N. and S.
80.18	The cor. of secs. 15,16,21 and 22.
	Land, eastern portion, very rugged mountains; remainder of mile rolling bench cut by gulches; general N. exposure and drainage on mile.
	Soil, shallow sandy loam, sandstone and limestone rock; sub-soil, dry sand and rock.
	Timber, cedar and pinon.
	Undergrowth, sagebrush. Fair grazing on benches.
	N.0°02'W., bet. secs. 15 and 16.
	Over rolling bench land or mountain top, through cedar and pinon timber and undergrowth of sagebrush.
24.30	S. brink of gulch, bears NW. and SE.; descend abruptly.
27.80	Bottom of gulch, 100 ft. below brink, heads about 15 chs. SE., and drains NW.; ascend abruptly over ledges.
30.30	N. brink of gulch, 100 ft. above bottom, 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., with brass cap marked ¼ S16 | S15 1919 from which
	A pinon, 8 ins.diam.,bears S.22°40'E., 62 lks. dist.,marked ¼ S 15 B T
	A pinon, 10 ins.diam.,bears S.7°50'W., 45 lks. dist.,marked ¼ S 16 B T

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
69.20	Top of ledge about 100 ft. high and upper rim of the San Rafael River Canyon, bears NW. and SE. Impossible to continue line N. on account of ledges and breaks of canyon, therefore at this point,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in a large mound of stone on solid rock for witness cor. to the cor. of secs. 9,10,15 and 16, with brass cap marked
	WC T20S S9 | R10E S10 S16 | S15 1919
	from which
	A pinon, 8 ins.diam.,bears S.12°40'E., 62 lks. dist.,marked W C T 20 S R 10 E S 15 B T
	A pinon, 14 ins.diam.,bears S.79°05'W., 94 lks. dist.,marked W C T 20 S R 10 E S 16 B T
	No other trees are available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
80.00	Point for cor. of secs. 9,10,15 and 16 on inaccessible ground. No cor. set.
	Land, rolling mountain top and rough breaks of canyon; general N. exposure and drainage.
	Soil, shallow sandy loam, sandstone and limestone rock; sub-soil, hard, dry sand and rock.
	Timber, cedar and pinon.
	Undergrowth, sagebrush. Good grazing on mountain top.
	N.0°02'W., bet. secs. 9 and 10; from witness cor. to cor. of secs. 9,10,15 and 16.
	The line North crosses The San Rafael River Canyon which is about 1500 ft. deep and cut in walls of solid sandstone. San Rafael River in bottom of canyon is about 1 ch. wide, 1 to 3 ft. deep, alkali water, course E.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	To determine distance across canyon, I triangulate as follows:
	Erect flag "A" at witness cor. to cor. of secs. 9,10,15 and 16. I now place transit on Line on N. side of canyon at point "B" and measure a base line N.89°58'E., 25.71 chs. to point "C". The line AC bears S.26°51'W. All bearings taken by direct reading of the solar and angles determined by deflection.



Distance by triangulation = 50.79 chs.

Distance N. of true cor. point secs. 9, 10,15 and 16 = 39.99 chs.

The N. brink of San Rafael River Canyon which bears N.80°E. and S.10°W., is south 12 chs. distant.

Thence over rolling and broken mountain top, through cedar and pinon timber and undergrowth of sagebrush.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼

S9 | S10

1919

No suitable trees are available; pits are impracticable on account of surface rock and stone is not available for a mound.

45.00 Wash, 10 lks. wide, 3 ft. deep, drains NW.

49.00 Low spur, projects SW.; descend.

59.30 Wide draw and wash, 15 lks. wide, 3 ft. deep, 120 ft. below spur, drains SW.; ascend.

64.60 Spur, 50 ft. above draw, projects S.80°W.; gradually descend.

78.00 Wash, 25 lks. wide, 10 ft. deep, drains SW.; ascend 15 ft. to

SUBDIVISION OF T.20 S.,R.10 E.

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, with brass cap marked
	T20S | R10E S4 | S3 S9 | S10 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable trees available.
	Land, rough mountainous in the southern portion; rolling mountain top in the northern portion; general S. exposure and drainage.
	Soil, shallow sandy loam, gravelly and rocky of sandstone and limestone formation; sub-soil, hard, dry sand and rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale and sagebrush. Good grazing on mountain top.
	East, on true line bet. secs. 10 and 15.
	The line east bet. secs. 10 and 15 from the true cor. point for secs. 9,10,15 and 16 passes over high ledges and breaks of The San Rafael River Canyon and cannot be chained, I offset as follows:
	From the ¼ sec. cor. bet. secs. 9 and 10,
	East, on offset line , 61.61 chs.
	Over gently rolling mountain top, through scattering scrub cedar and pinon timber and undergrowth of sagebrush.
49.60	W. brink of gulch and top of sandstone ledge, 50 ft. high, bears NE. and SW.; descend abruptly.
55.00	Bottom of gulch; 80 ft. deep, drains SW.; ascend abruptly.
58.30	E. brink of gulch and top of sandstone ledge, 25 ft. high, bears NE. and SW.
61.61	Thence, S.0°02'E., on offset 27.14 chs.; then

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	West, 21.61 chs. along top of N. break of San Rafael River Canyon.; then
	S.0°02'E., 3.90 chs. to point 40.00 chs. E. and 8.96 chs. N. of true cor. point for cor. of secs.9,10,15 and 16. The point for ¼ sec. cor. bet. secs. 10 and 15 which is 8.96 chs. S. falls on ledges and break of canyon, cor. point cannot be reached; therefore, at this point
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked
	¼ S10 / S15 WC 1919
	from which
	A pinon, 10 ins.diam.,bears N.42¾°E., 71 lks. dist.,marked W C ¼ S 10 B T
	No other trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Cor. stands on brink of San Rafael River Canyon, bears NE., SW. about 3 chs., thence NW.
	I return to my point S.0°02'E. 27.14 chs. from point 61.61 chs. on offset line, thence continue
	East, on offset, 80.00 chs. (counted from ¼ sec. cor. bet. secs. 9 and 10)
66.40	Brink of mountain top, bears SE., N. about 3 chs., thence NE.; descend abruptly E. and NE. slopes.
80.00	Ravine, 300 ft. below brink of mountain, drains SE.
	Thence
	S.0°01'E., 12.86 chs. to true cor. point for cor. of secs. 10,11,14 and 15 at
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in a large mound of stone for cor. of secs. 10,11,14 and 15 with brass cap marked
	T20S S10 | R10E S11 / S15 | S14 1919

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Cor. stands on sandstone spur, projects SE., also on top of ledge on N. brink of San Rafael River Canyon. San Rafael River Canyon to the south is about 1800 ft. deep and cannot be crossed.
	Land, rolling mountain top and rough ledgy breaks; general S. exposure and drainage.
	Soil, shallow,brown, sandy loam mixed with rock, of sandstone and limestone formation; sub-soil, dry sand and rock.
	Timber, scattering cedar and pinon.
	Undergrowth, shadscale and sagebrush. Good grazing on mountain top.
	From the cor. of secs. 10,11,14 and 15.
	N.0°01'W., bet. secs. 10 and 11.
	Over rough mountainous land through scattering scrub cedar and pinon timber. Descend over sandstone surface rock, rough and broken.
12.86	Ravine, drains SE.
17.55	Same ravine, drains SW.; ascend abruptly S. slope over sandstone ledges and boulders.
31.00	Top of ledges and brink of mountain top, 280 ft. above ravine, bears NE., W. 2 chs., thence SW.; enter dense timber, bears NE. and W.
35.20	Leave dense timber, 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., with brass cap marked

¼

S10 | S11

1919

from which

A pinon, 12 ins.diam.,bears S.32°40'E., 415 lks. dist.,marked ¼ S 11 B T

A cedar, 10 ins.diam.,bears N.79°10'W., 235 lks.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	dist.,marked ¼ S 10 B T
56.80	Shallow gully, drains NW.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for cor. of secs. 2,3,10 and 11, with brass cap marked

T20S S3	R10E S2
S10	S11

1919

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

Land, S. portion rough break of mountain, slopes and drains S.; remainder of mile rolling mountain top, general N. exposure and NW. drainage.

Soil, shallow brown sandy loam, gravelly and rocky of sandstone and limestone formation; sub-soil, dry, hard, sand and rock.

Timber, scrub cedar and pinon.

Undergrowth, shadscale and sagebrush. Good grazing on mountain top.

East, on true line bet. secs. 11 and 14.

The line east from the cor. of secs. 10,11,14 and 15 passes over high ledges and breaks of San Rafael River Canyon and cannot be chained. To establish line bet. secs. 11 and 14 I proceed as follows:

From ¼ sec. cor., bet. secs. 10 and 11.

East, on offset line, 40.00 chs. over rolling mountain top through dense cedar and pinon timber.

Thence, S.0°01'E., 30.20 chs. to brink of mountain top and break of San Rafael River Canyon, bears NW. and SE. It is impossible to reach true point for ¼ sec. cor. 9.80 chs. south, therefore at this point

40.00	Point 9.80 chs. N. of true point for ¼ sec. cor. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone on solid rock for witness cor. to the ¼ sec. cor., with brass cap marked

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	$\frac{1}{4}$ S11 / S14 WC 1919
	from which
	A pinon, 8 ins.diam., bears N.37$\frac{3}{4}$°E., 71 lks. dist.mkd. WC $\frac{1}{4}$ S 11 B T
	No other suitable trees available.
	Raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, N.of cor.
	From witness cor. to $\frac{1}{4}$ sec. cor., continue East, on 9.80 chs. offset. Over rolling mountain top.
44.40	Brink of mountain top and ledge, 25 ft. high, bears NE. and S.; descend abruptly E. slope.
53.55	Base of steep descent, bears N. and S.; thence over broken sandstone bench.
68.95	Top of ledge, 200 ft. high, bears NE. and SW. Further measurement of line impossible on account of ledges and breaks of San Rafael River Canyon; therefore, at this point, 9.80 chs. N. and 11.05 chs. west of true cor. point of secs. 11,12,13 and 14.
	Set an iron post, 3 ft. long, 2 ins.in dia., 24 ins. in a large mound of stone on solid rock for witness cor. to the cor. of secs. 11,12,13 and 14, with brass cap marked
	T20S | R10E S11 | S12 S14 | S13 WC 1919
	Raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor.
80.00	True point for cor. of secs. 11,12,13 and 14 falls on inaccessible ground. No cor. set.
	Land, rolling mountain top and rough sandstone breaks; general S. exposure and drainage.
	Soil, shallow sandy loam, gravelly and rocky of sandstone and limestone formation; sub-soil, hard, dry sand and rock.
	Timber, scattering scrub cedar and pinon.

CHAINS	
	Undergrowth, shadscale and sagebrush. Fair grazing on mountain top.
	N.0°01'W., bet. secs. 11 and 12.
	Being unable to begin at the true point for cor. of secs. 11,12,13 and 14, I run on offset line from the witness cor. to said cor. which is 9.80 chs. N. and 11.05 chs. W., as follows:
	N.0°01'W., 25.31 chs.(counted from true cor. point)
	Over rough mountainous land through scattering cedar and pinon timber and undergrowth of shadscale. Ascend abruptly S. slope over sandstone ledges and boulders.
20.80	Top of ledge and brink of San Rafael River Canyon, 300 ft. above witness cor., bears N.80°E. and W.; enter dense timber, bears N.80°E. and W. Thence over rolling mountain top.
	Thence, East, 11.05 chs. to true line at
25.31	Thence, N.0°01'W., on true line.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼
S11 | S12
1919

from which

A pinon, 6 ins.diam.,bears S.74½°E., 249 lks. dist.,marked ¼ S 12 B T

A pinon, 14 ins.diam.,bears S.22°07'W., 138 lks. dist.,marked ¼ S 11 B T

49.70	Leave dense and enter very scattering timber, bears E. and W.
68.00	Shallow draw, heads about 6 chs. SW. and drains NE.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1,2,11 and 12, with brass cap marked

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	T20S | R10 E S2 | S1 S11 | S12 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rough, mountainous in the southern portion, rolling mountain top in the northern portion; south exposure and drainage on S. 20.80 chs., gentle N. exposure and N. drainage on remainder of mile.
	Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation ; sub-soil, sand and rock. Very rocky in southern portion of mile.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush and shadscale. Good grazing on mountain top.
	East, on true line bet.secs. 1 and 12.
	Over rolling mountainous land through cedar and pinon timber and undergrowth of sagebrush and shadscale.
5.60	Wash, 10 lks. wide, 2 ft. deep, in shallow draw, drains NW.; gradually ascend.
10.70	Ridge, 40 ft. above draw, bears NE. and SW.; gradually descend.
20.00	Wash, 10 lks. wide, 2 ft. deep, in draw, 50 ft. below ridge, drains NW.; ascend.
37.50	Low ridge, 25 ft. above draw, bears NE. and SW.; descend.
40.00	At foot of ridge, bears N. and S.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec cor., with brass cap marked ¼ S1/S12 1919
	from which
	A cedar, 6 ins.diam.,bears N.22½°E., 212 lks. dist.,marked ¼ S 1 B T
	A pinon, 6 ins.diam.,bears S.15°W., 208 lks. dist.,marked ¼ S 12 B T

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	Enter dense timber, bears N. and S.; thence over narrow bench extending E.
41.00	Wash, 10 lks. wide, 2 ft. deep, drains N.
65.30	Head of box gulch, drains NW. about 5 chs. thence NE.
80.00	Brink of bench and edge of canyon, about 1000 ft. deep, bears N.80°W., S.80°E. about 3 chs., thence SW.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground at foot of ledge for cor. of secs. 1,6, 7 and 12, with brass cap marked

T20S
R10E | R11E
S1 | S6
S12 | S7
1919

from which

A pinon, 10 ins.diam.,bears S.23¾°E., 90 lks. dist.,marked T 20 S R 11 E S 7 B T

A pinon, 10 ins.diam.,bears S.57½°W., 62 lks. dist.,marked T 20 S R 10 E S 12 B T

A pinon, 8 ins.diam.,bears N.75°W., 85 lks. dist.,marked T 20 S R 10 E S 1 B T

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

Land, rolling mountainous; general N. exposure and drainage.

Soil, shallow sandy loam, mixed with gravel and rock of sandstone and limestone formation; sub-soil, dry sandy clay and rock.

Timber, scrub cedar and pinon.

Undergrowth, shadscale and sagebrush. Good grazing.

From the cor. of secs. 1,2,11 and 12.

North, on a random line bet. secs. 1 and 2.

40.00	Set temp. ¼ sec. cor.
86.84	Intersect N. bdy. of the tp. at the cor. of secs. 1 and 2 heretofore described.

Thence

South, on true line bet. secs. 1 and 2.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	Over rolling mountain top, through cedar and pinon timber and undergrowth of sagebrush. Gradually ascend.
4.65	Low spur, projects E.; gradually descend.
24.65	Wash, 10 lks. wide, 3 ft. deep, in shallow draw, drains NE.; gradually ascend 25 ft. to
46.84	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S2 | S1 1919 from which A pinon, 11 ins.diam., bears N.11°35'E., 119 lks. dist., marked ¼ S 1 B T A cedar, 8 ins.diam., bears N.15¼°W., 130 lks. dist., marked ¼ S 2 B T
52.55	Low ridge, bears NW. and SE.; gradually descend.
58.35	Head of draw, 30 ft. below ridge, drains NE.
72.15	Wash, 10 lks. wide, 3 ft. deep, drains NW.
86.84	The cor. of secs. 1,2,11 and 12.
	Land, rolling; general NE. exposure and drainage.
	Soil, sandy clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, hard, dry sandy clay and rock.
	Timber, cedar and pinon.
	Undergrowth, shadscale and sagebrush. Good grazing.
	From the cor. of secs. 2,3,10 and 11.
	East, on a random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line 5 lks. N. of the cor. of secs. 1,2,11 and 12.
	Thence
	N.89°58'W., on true line bet. secs. 2 and 11.
	Over rolling land, through scattering scrub cedar and pinon timber and undergrowth of sagebrush.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
17.10	Low ridge, 25 ft. above cor., bears NE. and SW.; gradually descend.
27.70	Small gully, 35 ft. below ridge, drains NW.; gradually ascend.
32.30	Spur, 25 ft. above gully, projects NW.; descend.
36.00	Wash, 10 lks. wide, 2 ft. deep, 35 ft. below spur, drains N.; gradually ascend.
40.06	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S2 / S11 / 1919 from which A cedar, 12 ins diam., bears N.68°50'E., 88 lks. dist., marked ¼ S 2 B T A cedar, 8 ins. diam., bears S.25°25'E., 27 lks. dist., marked ¼ S 11 B T
42.60	Top of ascent on S. side of knoll; gradually descend.
61.80	Wash, 30 lks. wide, 3 ft. deep, drains NW.; ascend.
70.60	Knoll, 45 ft. above wash, bears NW. and SE.; descend 50 ft. to
80.12	The cor. of secs. 2,3,10 and 11.
	Land, rolling; general N. exposure and drainage.
	Soil, sandy loam, streaked with gravel and rock of sandstone and limestone formation; sub-soil, hard, dry sandy clay and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush. Good grazing.
	North, on a random line bet. secs. 2 and 3
40.00	Set temp. ¼ sec. cor.
86.58	Intersect N. bdy. of the tp., 15 lks. W. of the cor. of secs. 2 and 3 heretofore described
	Thence
	S.0°06'W., on true line bet. secs. 2 and 3.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Over rolling hills, through scattering cedar and pinon timber. Ascend.
2.50	Spur, 25 ft. above cor., projects NW.; gradually descend.
4.40	Wash, 10 lks. wide, 3 ft. deep, drains NW.; ascend.
12.40	Ridge, 35 ft. above wash, bears NW. and SE.; descend.
16.90	Wash, 10 lks. wide, 2 ft. deep, drains NW.
23.50	Wash, 15 lks. wide, 2 ft. deep, drains NW.
27.30	Spur, 30 ft. above wash, projects NW.; descend.
33.90	Wash, 10 lks. wide, 3 ft. deep, 50 ft. below spur, drains NW.; ascend.
42.50	Spur, 60 ft. above wash, projects NW.
45.20	Wash, 10 lks. wide, 5 ft. deep, drains NW.
46.58	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S3 | S2 1919 from which A pinon, 20 ins.diam.,bears N.32½°E., 224 lks. dist.,marked ¼ S 2 B T A pinon, 18 ins.diam.,bears S.84°55'W., 157 lks. dist.,marked ¼ S 3 B T
51.60	Ridge, 50 ft. above wash, bears E. and W.; timber becomes very scattering bears E. and W. Gradually descend.
62.40	Wash, 15 lks. wide, 4 ft. deep, in large open draw, drains W.; gradually ascend N. slope.
86.58	The cor. of secs. 2,3,10 and 11.
	Land, rolling hills; general N. exposure and drainage.
	Soil, shallow brown sandy loam, mixed with gravel and rock of sandstone and limestone formation; sub-soil, moist sandy clay and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush. Good grazing.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	From the cor. of secs. 3,4,9 and 10.
	East, on a random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect the cor. of secs. 2,3,10 and 11.
	Thence
	West, on true line bet. secs. 3 and 10.
	Over rolling land through very scattering cedar and pinon timber and undergrowth of sagebrush.
30.00	Wash, 10 lks. wide, 2 ft. deep, drains SW.; ascend low, rocky spur,
36.80	Top of spur, 20 ft. above wash, projects SW.; descend.
39.99	At foot of rocky spur, bears N. and SW.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone on solid rock for ¼ sec. cor., with brass cap marked
	¼ S3 / S10 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable trees are available.
45.70	Leave timber, bears N. and S.
73.70	Wash, 20 lks. wide, 3 ft. deep, drains SW.; ascend 15 ft.
79.98	The cor. of secs. 3,4,9 and 10.
	Land, rolling; general S. exposure and drainage.
	Soil, brown sandy loam; streaked with sandstone and limestone rock; sub-soil, dry sand and rock.
	Timber, scattering scrub cedar on eastern portion of mile.
	Undergrowth, sagebrush. Good grazing.
	N.0°06'E., on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
86.46	Intersect N. bdy. of the tp., 9 lks. E. of the cor. of secs. 3 and 4 heretofore described.
	Thence
	S.0°02'W., on true line bet. secs. 3 and 4.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Over rolling and broken bench land through scattering scrub cedar and pinon timber and undergrowth of shadscale. Gradually ascend.
5.15	Low, flat ridge, 15 ft. above cor., bears E. and W.; gradually descend.
8.85	Small gully, 40 ft. below ridge, drains SW. about 2 chs. thence NW.; ascend.
11.15	Point of spur, 25 ft. above gully, projects W.; descend.
16.85	Gulch, 25 ft. below spur, drains NW.; gradually ascend.
26.45	Spur, 90 ft. above gulch, projects NW.; descend.
30.45	Head of gully, 45 ft. below spur, drains N.80°W.; gradually ascend.
37.15	Spur, 45 ft. above gully, projects NW.; descend.
40.05	Gulch, 45 ft. below spur, drains NW.; ascend.
46.46	On E. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S4 | S3 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
53.75	Spur, 45 ft. above gulch and 25 ft. above ¼ sec. cor., Projects NW.; descend.
56.45	Gully, 20 ft. below spur, drains S.80°W.; ascend.
61.75	Low spur, 25 ft. above gully, projects W.; descend.
65.85	Head of small gully, 35 ft. below spur, drains W.; ascend.
74.45	Low ridge, 80 ft. above gully, bears NE. and SW.; descend S. slope 40 ft. to
86.46	The cor. of secs. 3,4,9 and 10.
	Land, rolling and broken bench; general N. exposure and NW. drainage.
	Soil, shallow brown clay loam, mixed with limestone shales and rock; sub-soil, hard, dry clay and rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Fair grazing.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	From the standard cor. of secs. 32 and 33 on the S. bdy. of the tp. heretofore described N.0°03'W., bet. secs. 32 and 33.
	Over rough mountainous land, gray sandstone ledges and boulders. Ascend abruptly.
4.00	Point on sandstone knoll 100 ft. above sec. cor., descend abruptly NW. slope, entering scattering scrub cedar and pinon timber.
18.10	Wash, 15 lks. wide, 5 ft. deep, 200 ft. below knoll, drains NW. about 2 chs., thence SW.; ascend.
26.00	Rocky spur, 75 ft. above wash, projects W.; gradually descend N. slope over gray sandstone surface rock.
35.10	Head of ravine, 100 ft. below spur, drains NW.; gradually ascend over smooth sandstone surface rock.
40.00	On smooth sandstone surface rock; mark X for exact point for ¼ sec. cor. and over same, Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked ¼ S32 | S33 1919 from which A pinon, 8 ins. diam., bears N.12°10'E., 366 lks. dist., marked ¼ S 33 B T A pinon, 16 ins. diam., bears S.57°W., 212 lks. dist., marked ¼ S 32 B T
46.70	Rocky spur, 120 ft. above ravine, projects W.; descend abruptly N. slope over sandstone ledges.
54.50	Gulch, 140 ft. below spur, drains NW.; ascend.
58.40	Point of spur, 25 ft. above gulch, projects NW.; gradually descend NW. slope.
68.80	Ravine, 245 ft. below spur, drains W.; ascend abruptly over sandstone ledges.
77.80	Spur, 200 ft. above ravine, projects W.; descend abruptly.
80.00	Point for cor. of secs. 28,29,32 and 33 falls on sandstone

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	ledge where cor. cannot be set. Witness cor. established 92 lks. N.0°03'W., for description of same see line bet. secs. 28 and 29.
	Land, rough mountainous; general SW. exposure and drainage.
	Soil, sandstone rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, scattering shadscale and sagebrush. Poor grazing.
	East, on a random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 2 lks. S. of the cor. of secs. 27 28,33 and 34.
	Thence
	S.89°59'W., on true line bet. secs. 28 and 33.
	Over rough mountainous land through cedar and pinon timber and undergrowth of sagebrush.
1.00	Wash, 20 lks. wide, 5 ft. deep, drains NE.; ascend abruptly over sandstone ledges.
11.60	Top of ledges, 200 ft. above cor., bears N. and S.; gradually ascend over gray sandstone surface rock.
15.90	Sandstone ridge, 250 ft. above sec. cor., bears N. and S.; descend broken sandstone slope.
22.55	Wash, 10 lks. wide, 4 ft. deep, 90 ft. below ridge, drains S.80°W.; ascend.
29.20	Sandstone point, 45 ft. above wash, projects S.; descend.
39.39	Point for ¼ sec. cor. will fall in wash where cor. would not remain, therefore perpetuate cor. at this point as follows:
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor. with brass cap marked
	WC ¼ S28/S33 1919
	from which

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	A pinon, 10 ins.diam.,bears S.40°E., 66 lks. dist.,marked W C ¼ S 33 B T
	A pinon, 12 ins.diam.,bears N.41¾°W., 191 lks. dist.,marked W C ¼ S 28 B T
40.00	Wash, 25 lks. wide, 10 ft. deep, 65 ft. below point, drains N. Point for ¼ sec. cor. in wash. No cor. set. Gradually ascend.
43.30	Wash, 10 lks. wide, 3 ft. deep, drains NE.
48.85	Begin steep ascent over sandstone boulders and ledges, bears NE. and SW.
55.20	Rocky ridge and E. brink of box canyon, 115 ft. above ¼ sec. cor., bears NE. and SW.; descend abruptly over sandstone ledges.
64.20	Head of box canyon, 165 ft. below brink, drains N.; ascend abruptly over ledges.
71.70	Top of ledge and W. brink of canyon, 150 ft. above bottom, bears N. and SE.; descend.
78.00	Head of ravine, 35 ft. below brink of canyon, drains NW. ascend 15 ft. to
80.00	The true cor. point of secs. 28,29,32 and 33.
	Land, rough mountainous; general N. exposure and drainage.
	Soil, sandstone bedrock and patches of deep, loose red sand; sub-soil, sandstone rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush. Fair grazing.
	N.0°03'W., bet. secs. 28 and 29 from true cor. point of secs. 28,29,32 and 33.
	Over rough mountainous land through scattering scrub cedar and pinon timber and sagebrush undergrowth. Descend N. slope.
.92	Set an iron post, 3 ft. long, 2 ins. in dia., 4 ins. in the ground on solid rock and 20 ins. in a mound of stone for witness cor. to the cor. of secs. 28,29,32 and 33, with brass cap marked

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	T20S | R10E S29 | S28 S32 | S33 WC 1919 from which A pinon, 10 ins.diam.,bears N.82¼°E., 158 lks. dist.,marked W C T 20 S R 10 E S 28 B T A pinon, 14 ins.diam.,bears S.45¼°W., 146 lks. dist.,marked W C T 20 S R 10 E S 32 B T A pinon, 12 ins.diam.,bears N.8¼°W., 171 lks. dist.,marked W C T 20 S R 10 E S 29 B T No other trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
1.90	Ravine, 35 ft. below cor., drains NW. about 2 chs., thence W.; ascend abruptly.
6.70	N. brink of ravine, 65 ft. above bottom, bears E. and W.; thence over rolling bench land through dense timber.
37.00	Head of ravine, drains NW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S29 | S28 1919 from which A pinon, 8 ins.diam.,bears N.44¼°E., 85 lks. dist.,marked ¼ S 28 B T A pinon, 10 ins.diam.,bears N.38°35'W., 144 lks. dist.,marked ¼ S 29 B T
43.20	Begin abrupt descent oven sandstone ledges, bears NW. and SE.
49.10	Ravine, 210 ft. below ¼ sec. cor., drains NE. about 10 chs., thence N.; ascend abruptly SE. slope over sandstone ledges.
75.15	Spur, 150 ft. above ravine, projects E.; descend abruptly over ledges.

SUBDIVISION OF T.20 S.,R.10 E.

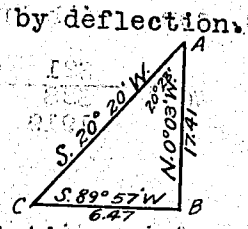
CHAINS	
75.24	Point of sandstone ledge, over which I am unable to chain; offset as follows:
	East, 6.68 chs., then on offset line
	N.0°03'W., 80.00 chs. (counted from cor.secs,28,29,32&33) I am unable to return to true line at this point, therefore continue N.0°03'W., to 81.41 chs.; thence
	West, 6.68 chs. to true line at
81.41	I am unable to reach true cor. point for cor. of secs. 20,21, 28 and 29 as point falls on sandstone ledge, therefore at this point,
	Set an iron post, 3 ft. long, 2 ins. in dia.,12 ins. in the ground on solid rock and 12 ins. in a mound of stone for witness cor. to the cor. of secs. 20,21,28 and 29, with brass cap marked
	T20S | R10E S20 | S21 S29 | S28 WC 1919
	from which
	A pinon, 10 ins.diam.,bears N.46¼°E., 83 lks. dist.,marked W C T 20 S R 10 E S 21 B T
	A pinon, 6 ins.diam.,bears N.62¼°W., 35 lks. dist.,marked W C T 20 S R 10 E S 20 B T
	No other trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
80.00	Point for cor. of secs. 20,21,28 and 29 on ledge where cor. cannot be set.
	Land, rough mountainous and rolling bench; general N. exposure and drainage.
	Soil, shallow sandy loam and sandstone rock; sub-soil, hard, dry sand and rock.
	Timber, cedar and pinon.
	Undergrowth, sagebrush and shadscale. Fair grazing.
	N.89°59'E., on a random line bet. secs. 21 and 28.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	The line east passes over high ledges and across canyon which I cannot chain; therefore offset as follows:
	N.0°03'W., 17.41 chs. from witness cor. to cor. of secs. 20,21,28 and 29 or 18.82 chs. from true cor. point.
	Thence
	N.89°59'E., 41.50 chs., then
	S.0°03'E., 18.82 chs. to true random line at
41.50	Temp. point for ¼ sec. cor falls on ledge and cannot be set.; leave temp. ¼ sec. cor. at this point.
	Thence, N.89°59'E.
79.83	Intersect N. and S. line 2 lks. N. of the cor. of secs. 21,22,27 and 28.
	Thence
	West, on true line bet. secs. 21 and 28.
	Over rolling mountain top, through cedar and pinon timber and undergrowth of sagebrush.
26.90	Gully, drains NW.
31.00	E. brink of gulch, bears NW. and SE.; descend abruptly.
32.55	Bottom of gulch, 50 ft. deep, drains N.20°W.; ascend abruptly.
35.30	W. brink of gulch, bears NW. and SE.
38.33	Top of high ledge and brink of canyon, bears S.80°W., NE. 1 ch. thence S.85°W.; point for ¼ sec. cor. falls on ledge where cor. cannot be set; at this point
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone on solid rock for witness cor. to the ¼ sec. cor., with brass cap marked
	WC ¼ S21 / S28 / 1919
	from which
	A pinon, 6 ins. diam., bears N.65°20'E., 158 lks. dist., marked W C ¼ S 21 B T
	A pinon, 6 ins. diam., bears S.33½°W., 28 lks. dist., marked W C ¼ S 28 B T
	Impossible to continue line west on account of ledges and deep canyon which cannot be crossed.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Thence on offset line
	N.0°03'W., 18.82 chs., then
	West, 41.50 chs., thence
	S.0°03'E., 17.41 chs. to witness cor. to cor. of secs. 20, 21,28 and 29. True cor. point for said cor. 1.41 chs. S.0°03'E. from this cor. impossible to reach same.
	Land, rolling mountain top on E. ½ mile, rough mountains on W. ½ mile; general N. exposure and drainage.
	Soil, brown, sandy loam, mixed with gravel and sandstone rock; sub-soil, sand and rock.
	Timber, cedar and pinon.
	Undergrowth, sagebrush. Good grazing on E. ½ mile.
	N.0°03'W., bet. secs. 20 and 21 from true cor. point for cor. of secs. 20,21,28 and 29.
	Over rough mountainous land through cedar and pinon timber and undergrowth of sagebrush. Descend abruptly over ledges.
1.41	The witness cor. to cor. of secs. 20,21,28 and 29.
	The line north crosses deep canyon draining NW.; to determine distance across same, I triangulate as follows:
	From witness cor. set flag "A" on top of ledge N.0°03'W., designate witness cor. "B" and measure base S.89°57'W., 6.47 chs. to point "C". The line AC bears S.20°20'W.
	All bearings taken by direct reading of the solar and angles determined by deflection.



	Distance by triangulation = 17.41 chs.
	Total distance on true line = 18.82 chs.
18.82	Top of sandstone ledge about 100 ft. high, also N. brink of canyon, bears NW. and SE.; thence over broken mountain top, through scrub cedar and pinon timber.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	the ground for ¼ sec. cor., with brass cap marked
	¼ S20 | S21 1919
	from which
	A pinon, 8 ins.diam.,bears S.66°E., 55 lks. dist.,marked ¼ S 21 B T
	A pinon, 16 ins.diam.,bears S.60°W., 93 lks. dist.,marked ¼ S 20 B T
50.60	S. brink of gulch, bears N.80°W. and S.80°E.; descend abruptly.
53.00	Bottom of gulch, 75 ft. deep, drains N.60°W.; ascend.
56.60	N. brink of gulch, bears E. and W.
72.00	S. brink of gulch, bears NW. and SE.; descend abruptly.
76.80	Bottom of gulch, 130 ft. below brink, drains NW.; ascend abruptly 100 ft. to
80.00	At foot of ledge on N. brink of gulch, bears NW. and SE. Set an iron post, 3 ft. long, 2 ins. in dia., 10 ins. in the ground on solid rock and 14 ins. in a mound of stone for cor. of secs. 16,17,20 and 21, with brass cap marked
	T20S | R10E S17 | S16 S20 | S21 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable trees are available.
	Land, rough mountainous and broken mountain top; general N. exposure and drainage.
	Soil, shallow brown loam, mixed with gravel and rock of sandstone formation; sub-soil, dry sand and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush. Good grazing land.
	East, on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.

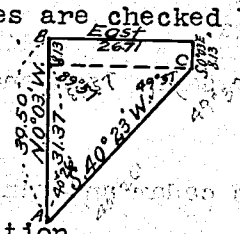
SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
79.76	Intersect N. and S. line 2 lks. S. of the cor. of secs. 15,16,21 and 22.
	Thence
	S.89°59'W., on true line bet. secs. 16 and 21.
	Over rolling and broken mountain top, through cedar and pinon timber and undergrowth of sagebrush.
4.50	E. brink of gulch, bears NW. and SE.; descend.
7.40	Bottom of gulch, 65 ft. below cor., drains NW.; ascend.
9.80	W. brink of gulch, bears NW. and SE.
12.10	E. brink of gulch, bears N. and S.; descend abruptly.
14.30	Bottom of gulch, 55 ft. deep, drains N. about 3 chs. to junction with gulch from SE.; thence NW.; ascend.
17.10	W. brink of gulch, bears N. and S.
39.88	Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and 8 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S16/S21 1919
	from which
	A pinon, 6 ins.diam.,bears S.68¾°E., 165 lks. dist.,marked ¼ S 21 B T
	A pinon, 10 ins.diam.,bears N.20°W., 5 lks. dist.,marked ¼ S 16 B T
42.00	E. brink of gulch and top of sandstone ledge 25 ft. high, bears NW. and SE.; descend abruptly.
48.00	Bottom of gulch, 110 ft. below brink, drains NW., ascend abruptly.
52.65	Point of spur, 100 ft. above gulch, projects N. about 2 chs.; descend abruptly.
57.00	Gulch, 110 ft. below spur, drains N.; ascend abruptly.
60.75	Top of ledge and brink of gulch, 110 ft. above bottom, bears N. and S.
79.65	Top of ledge, 10 ft. high and brink of gulch, bears NW. and SE.; descend.
79.76	The cor. of secs. 16,17,20 and 21.
	Land, rough, broken mountain top; general N. exposure.

SUBDIVISION OF T.20 S.,R.10 E.

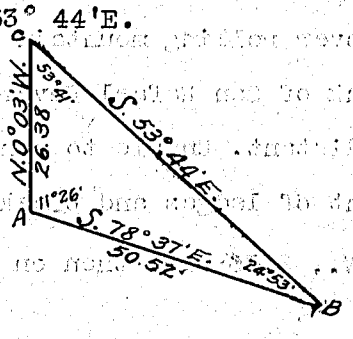
CHAINS	
	and drainage.
	Soil, shallow sandy loam and sandstone rock; sub-soil, rock.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush. Fair grazing.
	N.0°03'W., bet. secs. 16 and 17.
	Over broken mountain top, through scrub cedar and pinon timber and undergrowth of sagebrush. Ascend.
.15	Top of ledge, 15 ft. high and brink of gulch, bears NW. and SE.
7.00	Wash, 50 lks. wide, 5 ft. deep, drains W.
15.70	S. brink of gulch, bears SE. and N.10°W.; descend along broken, rocky E. slope of gulch.
33.40	N. brink of gulch and sandstone ledge, 10 ft. high, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground on solid rock and 12 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S17 | S16 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable trees are available.
49.18	Top of high sandstone ledge and brink of Salt Wash and San Rafael River Canyons, bears NE. and SW. To determine the distance across above canyons, I triangulate as follows:
	Erect flag "A" at this point. I now place transit at Point "B" on line on N. side of San Rafael River Canyon at a point which I know to be considerable N. of true cor. point for cor. of secs. 8,9,16 and 17. I now measure east from point "B" 26.71 chs., thence S.0°03'E., 8.13 chs. to point "C". The line AC bears S.40°23'W. All bearings taken by direct reading of

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	the solar and angles are checked by deflection.
	
	Distance by triangulation = 31.37 chs.
	Distance bet. points "A" and "B" = 39.50 chs.
	Total distance bet. cor. secs. 16,17,20 and 21 and point "B" = 88.68 chs.
88.68	Point triangulation on N. side San Rafael River. I now measure S.0°03'E., .52 chs. to point 8.16 chs. N.0°03'W. of the true cor. point for cor. of secs. 8,9, 16 and 17. Point for said sec. cor. falls on ledges and break of canyon where cor. point cannot be reached, therefore at this point,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in a large mound of stone for witness cor. to the cor. of secs. 8,9,16 and 17, with brass cap marked
	T20S | R10E S8 | S9 S17 | S16 WC 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable trees are available.
	The approximate topography N. from the 49.18 chs. point is as follows:
	Descend abruptly over high ledges and boulders.
60.00	Bottom of Salt Wash Canyon and stream, 5 lks. wide, 2 ins. deep, alkali water, 800 ft. below brink, course NE.; ascend abruptly over ledges.
66.00	Top of low ledge spur, 100 ft. above wash, projects E. about 5 chs. The E. point of a high ledge, locally called "The Wedge", bears W. about 1 ch.; descend abruptly.
72.00	San Rafael River , 1 ch. wide, 1 to 2 ft. deep, muddy, alkali water, in box canyon, course SE.; ascend abruptly over ledges.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
80.00	Point for cor. of secs. 8,9,16 and 17 on ledges and breaks of canyon. No cor. set.
88.16	The witness cor. to cor. of secs. 8,9,16 and 17, on top of ledge and rim of San Rafael River Canyon, bears NW. and S.80°E.
	Land, rough mountainous and broken mountain top; general N. and S. exposure and drainage to San Rafael River, thence E.
	Soil, shallow brown loam and sandstone rock; sub-soil, sand and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush. Fair grazing on southern portion of mile.
	N.89°59'E., on a random line bet. secs. 9 and 16.
	Being unable to run east from the true cor. point of secs. 8,9,16 and 17 on account of high ledges, I offset as follows:
	N.0°03'W., 8.16 chs. to witness cor. to cor. of secs. 8,9,16 and 17.; then on offset line
	N.89°59'E., 26.71 chs.; thence
	S.0°03'E., 8.16 chs. to true random line at
26.71	Thence N.89°59'E.
29.69	Brink of mountain top and edge of San Rafael River. On account of inaccessible country I am compelled to triangulate to the witness cor. to cor. of secs. 9,10, 15 and 16 as follows:
	From my 26.71 chs. point designated "A", set flag "B" S.78°37'E., on high point on S. side canyon, then, measure base line AC., N.0°03'W., 26.38 chs. The line BC bears S.53° 44'E.



SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Distance of line BC., = S.78°37'E., 50.52 chs. or easting of 49.52 chs. and southing of 9.97 chs.
	Thence from flag "B",
	S.77°E., 3.55 chs. to point 3 lks. N. of the witness cor. of secs. 9,10,15 and 16.
	Total easting for mile = 79.69 chs.
	Total southing on random line to witness cor. to cor. of secs. 9,10,15 and 16 = 10.80 chs.
	Witness cor. to cor. of secs. 9,10,15 and 16, set 10.80 chs. S.0°02'E. of true cor. point; therefore computed distance and falling of mile is:
79.69	Intersect the true cor. point for cor. of secs. 9,10, 15 and 16.
	Thence
	S.89°59'W., on true line bet. secs. 9 and 16; from true cor. point.
	Over ledges and breaks of San Rafael River Canyon, about 1000 ft. deep.
39.84½	Point for ¼ sec. cor. falls on inaccessible ground. No. cor. set.
50.00	Top of ledge and brink of San Rafael River Canyon, bears N. and S.
	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked
	¼ S9 / S16 1919 WC
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Thence over rolling mountain top.
52.98	The brink of San Rafael River Canyon, bears W. about 3 chs. distant. Unable to continue on true line on account of ledges and breaks; Offset,
	N.0°03'W., 8.16 chs. then on offset line

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	S.89°59'W., 79.69 chs. (counted from true cor. point secs. 9,10,15 and 16) to true line at
79.69	The witness cor. to cor. of secs. 8,9,16 and 17. The true cor. point bears S.0°03'E., 8.16 chs. distant.
	Land, rough and rugged mountains and breaks of canyon; N. and S. exposure and east drainage.
	Soil, sandstone rock and shallow sandy loam; sub-soil, rocky.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush. Poor grazing.
	N.0°03'W., bet. secs. 8 and 9 from true cor. point secs. 8,9,16 and 17.
	Ascend abruptly sandstone ledges and breaks of San Rafael River Canyon.
8.16	The witness cor. to cor. secs. 8,9,16 and 17 on rim of canyon, bears NW. and S.80°E.; thence over rolling and broken mountain top, through scattering scrub cedar and pinon timber and undergrowth of sagebrush. Ascend.
11.00	Upper rim of canyon, bears E. and W.; thence on near level line.
23.40	Gully, drains S.80°W., about 8 chs. to break of San Rafael Canyon.
33.00	Gully, at head, drains W.; ascend.
35.70	Low spur, projects W.; descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S8 | S9 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
40.60	Gully, 50 ft. below spur, drains NW.; ascend over low point.
42.75	Gully, drains W.; ascend.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
45.00	Low point, 35 ft. above gully, projects W.; descend.
57.60	Small gully, drains NW.; ascend.
59.30	Low point, projects W. about 3 chs., descend.
62.10	Gully, 50 ft. deep, drains W.; ascend.
66.30	Spur, 50 ft. above gully, projects S.85°W.; descend.
73.65	Gulch, 75 ft. below spur, drains W.; ascend over ledges
77.00	Low ridge, 75 ft. above gulch, bears E. and 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. 4,5,8, and 9, with brass cap marked

T20S	R10E
S5	S4
S8	S9

1919

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

No suitable trees available.

Land, S. portion rough mountainous, slopes and drains S.; remainder of mile rolling and broken bench; general W. exposure and drainage.

Soil, shallow brown loam, mixed with gravel and rock of sandstone and limestone formation; sub-soil, rock.

Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush. Fair grazing on northern portion of mile.

N.89°59'E., on a random line bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. cor.

79.68 Intersect N. and S. line 2 lks. N. of the cor. of secs. 3,4,9 and 10.

Thence

West, on true line bet. secs. 4 and 9.

Over rolling and broken bench land through scattering scrub cedar and pinon timber and undergrowth of sagebrush. Gradually ascend E. slope.

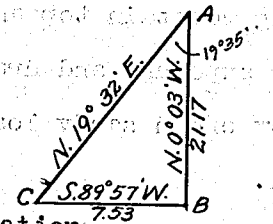
SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
10.20	Wash, 10 lks. wide, 2 ft. deep, drains SE.
14.20	Spur, 65 ft. above cor., projects SW.; descend across head of small draw draining SE.
21.40	Low ridge, bears N. and S.; descend.
37.90	Draw and wash, 15 lks. wide, 2 ft. deep, 110 ft. below ridge drains SW.
39.84	On S. side of low sandstone reef bears NE. and NW. Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and 10 ins. in a mound of stone for ½ sec. cor., with brass cap marked $\frac{1}{4}$ S4/S9 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable trees available.
54.70	Wash, 10 lks. wide, 3 ft. deep, drains S.80°W.
79.68	The cor. of secs. 4,5,8 and 9.
	Land, rolling and broken bench; general S. exposure and drainage.
	Soil, shallow brown loam, mixed with sandstone and limestone rock; sub-soil, dry sandy clay and rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush. Good grazing.
	N.0°02'E., on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
86.55	Intersect N. bdy. of the tp., 20 lks. E. of the cor. of secs. 4 and 5 heretofore described.
	Thence S.0°06'E., bet. secs. 4 and 5.
	Over rolling and broken bench, through very scattering scrub cedar and pinon timber and undergrowth of sagebrush.
.70	Wash, 25 lks. wide, 15 ft. deep, drains NW.
33.55	Wash, 20 lks. wide, 10 ft. deep, drains NW.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
34.90	Wash, 15 lks. wide, 4 ft. deep, drains NW.
40.70	Low ridge, bears E. and W.; descend.
43.25	Head of wash, 10 lks. wide, 3 ft. deep, 35 ft. below ridge, drains W.; ascend.
44.10	Shale spur, projects W.; descend S. slope 25 ft. to
46.55	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S5 | S4 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
46.65	Wash, 15 lks. wide, 2 ft. deep, drains W.
54.75	Wash, in gully, 25 lks. wide, 15 ft. deep, drains NW. about 2 chs., thence W.
66.95	Wash, 35 lks. wide, 15 ft. deep, drains NW.
79.85	Wash, 20 lks. wide, 10 ft. deep, drains N.70°W.
86.55	The cor. of secs. 4,5,8 and 9.
	Land, rolling and broken bench; general SW. exposure and drainage.
	Soil, shallow brown clay loam, gravelly and rocky of sandstone and limestone formation; sub-soil, dry, sandy clay and rock. Some gypsum in north portion of mile.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush. Fair grazing.
	From the standard cor. of secs. 31 and 32 on the S. bdy. of the tp, heretofore described.
	N.0°03'W., bet. secs. 31 and 32.
	Over rolling mountain top, through scrub cedar and pinon timber and undergrowth of shadscale.
1.00	Top of high sandstone ledge and brink of Saddle Horse Canyon, bears NW. and SE. Line N. of this point crosses large bend in canyon; I triangulate to N. side of bend as follows:

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Set flag "A" on line on N. side, then, from cor. of secs. 31 and 32 which I designate "B", measure base line BC S.89°57'W., 7.53 chs. (unable to secure longer base) The line AC bears N.19°32'E. All bearings taken by direct reading of the solar and angles determined by deflection.
	
	Distance by triangulation = 21.17 chs.
21.17	Top of ledge and brink of Saddle Horse Canyon, bears NE. and SW.; thence over rolling mountain top, through dense timber.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S31 | S32 1919 from which
	A pinon, 8 ins.diam.,bears S.6°E., 79 lks. dist.,marked ¼ S 32 B T
	A pinon, 10 ins.diam.,bears N.56°W., 125 lks. dist.,marked ¼ S 31 B T
65.40	Begin abrupt descent over sandstone ledges, bears E. and W.
69.00	Head of ravine, drains N.10°W.; thence along rough broken sandstone slope.
80.00	On S. brink of Saddle Horse Canyon. Set an iron post, 3 ft. long, 2 ins. in dia., 4 ins. in the ground on solid rock and 20 ins. in a mound of stone for cor. of secs. 29,30,31 and 32, with brass cap marked

SUBDIVISION OF T.20 S., R.10 E.

CHAINS

T20S S30	R10E S29
S31	S32

1919

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

No suitable trees are available.

Land, rolling mountain top and rough breaks of canyon; general N. exposure and drainage.

Soil, shallow brown sandy loam and sandstone rock; subsoil, rock.

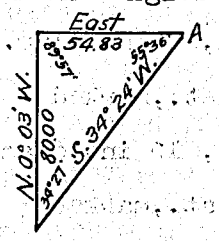
Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush. Fair grazing on mountain top.

East, on a random line bet. secs. 29 and 32.

The line East crosses Saddle Horse Canyon and cannot be chained; triangulate as follows:

Set flag "A" on line on E. side of canyon. I use the line bet. secs. 31 and 32 as a base, said line bears N.0° 03'W., 80.00 chs. From point "A" the cor. of secs. 31 and 32, bears S.34°24'W. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation = 54.85 chs.

Distance by return measurement = 5.18 chs.

49.67 E. brink of canyon; unable to reach true point for temp. ¼ sec. cor., therefore set same at this point.

80.02 Intersect N. and S. line at the true cor. point for cor. of secs. 28,29,32 and 33.

Thence

West, on true line bet. secs. 29 and 32.

Over rough mountainous land, sandstone ledges and outcroppings; scattering scrub cedar and pinon timber and undergrowth of sagebrush.

3.90 Spur, 55 ft. above cor., projects NW. about 2 chs.; descend.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
9.70	Head of gulch, 95 ft. below spur, drains N. about 4 chs. to junction with ravine.
25.19	Point of triangulation. Descend abruptly over sandstone ledges.
30.35	E. brink of Saddle Horse Canyon and top of sandstone ledges, bears N. and S. Impossible to reach true point for ¼ sec. cor. as same falls on ledge, therefore at this point,
	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked
	WC ¼ S29 / S32 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable trees are available.
	The bottom of Saddle Horse Canyon is about 35 chs. W., it is about 800 ft. deep and drains NW. Thence by triangulation across canyon.
40.01	Point for ¼ sec. cor. on inaccessible ground, no cor. set.
80.02	The cor. of secs. 29,30,31 and 32 on top of ledge and W. brink of Saddle Horse Canyon, bears NW. and SE.
	Land, rough mountainous; general N. exposure and drainage.
	Soil, sandstone rock and shallow sandy loam; sub-soil, rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush. Poor grazing.
	West, on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.93	Intersect W. bdy. of the tp., 5 lks. N. of the cor. of secs. 25,30,31 and 36 heretofore described.
	Thence
	N.89°58'E., on true line bet. secs. 30 and 31.

SUBDIVISION OF T.20 S.,R.10 E.

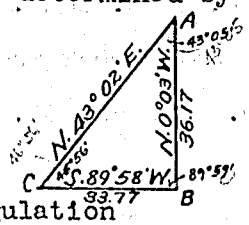
CHAINS	
	Over mountainous land through scattering scrub cedar and pinon timber, and undergrowth of sagebrush and grass. Descend.
1.90	Gulch, 40 ft. below cor., drains NW.; ascend.
25.60	Top of broad, flat ridge, 100 ft. above gulch, bears N.20°W. and S.20°E.; descend abruptly.
31.40	Rocky ravine, 185 ft. below ridge, drains N.; ascend abruptly over sandstone ledges.
35.30	Point of rocky spur, 170 ft. above ravine, projects S.; thence over rough, rocky ground.
39.93	Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 22 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}$ S30 / S31 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable trees available.
46.10	Rocky spur, 150 ft. above ¼ sec. cor., projects SE.; abrupt descent over sandstone ledges.
55.10	Gulch, 80 ft. below spur, drains NW.; ascend.
63.00	Spur, 140 ft. above gulch, projects SE.; abrupt descent over sandstone ledges.
67.90	Ravine, 60 ft. below spur, drains N. in large bend of Saddle Horse Canyon which is immediately N.; ascend abruptly over ledges.
71.30	Point of spur, 75 ft. above ravine, projects N.; descend abruptly over ledges.
74.60	Ravine, 110 ft. below spur, drains N.; ascend 75 ft. to
79.93	The cor. of secs. 29,30,31 and 32.
	Land, mountainous; general N. exposure and drainage.
	Soil, shallow brown loam, gravelly and rocky of sandstone and limestone formation; sub-soil, rocky.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush and grass. Good grazing.

CHAINS

N.0°03'W., bet. secs. 29 and 30.

Over rough mountainous land. The line north crosses Saddle Horse Canyon and cannot be chained, triangulate as follows:

Set flag "A" on line on North side of canyon; designate cor. of secs. 29,30,31 and 32 point "B", then, measure base line BC, S.89°58'W., 33.77 chs. The line AC bears N.43°02'E. All bearings taken by direct reading of the solar and angles determined by deflection.



Distance by triangulation = 36.12 chs.

36.12 N. brink of Saddle Horse Canyon and top of ledge, 200 ft. high, bears NW. and SE. The approximate bottom of canyon which is about 850 ft. deep and drains NW., bears S. about 15 chs. distant. Thence over rolling mountain top, through scattering cedar and pinon timber and undergrowth of sagebrush. Considerable sandstone surface rock and ledges.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼

S30 | S29

1919

from which

A pinon, 8 ins.diam.,bears N.22¼°E., 58 lks. dist.,marked ¼ S 29 B T

A pinon, 6 ins.diam.,bears S.48¾°W., 32 lks. dist.,marked ¼ S 30 B T

41.20 Ravine, 35 ft. below ¼ sec. cor. drains W.; gradually ascend S. slope over sandstone boulders.

48.90 Spur, 55 ft. above ravine, projects NW.; descend.

52.80 Wash, 15 lks. wide, 5 ft. deep, 30 ft. below spur, drains NW.; ascend.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
57.00	Spur, 25 ft. above wash, projects W.; descend.
61.30	Begin abrupt descent over ledges, bears E. and W.
67.60	Ravine, 150 ft. below spur, drains S.80°W.; ascend abruptly over ledges.
70.40	Spur, 120 ft. above ravine, projects W.; descend.
74.00	Begin abrupt descent, bears E. and W.
76.00	Head of ravine, 75 ft. below spur, drains W.; ascend 50 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 20 ins. in a mound of stone for cor. of secs. 19,20,29 and 30, with brass cap marked

T20S | R10E
S19 | S20
S30 | S29
1919

from which

A pinon, 10 ins. diam.,bears S.5¾°E., 245 lks. dist.,marked T 20 S R 10 E S 29 B T

A pinon, 14 ins.diam.,bears S.42°W., 230 lks. dist.,marked T 20 S R 10 E S 30 B T

No other trees available.

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

Land, rough mountainous; general W. exposure and N. drainage.

Soil, sandstone rock and shallow brown sandy loam; subsoil, sandstone rock.

Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush. Poor grazing.

East, on a random line bet. secs. 20 and 29.

40.00 Set temp. ¼ sec. cor.

43.46 To pass high ledges over which I cannot chain, I offset as follows:

North, 1.41 chs., then on offset line

East, 79.90 chs.(Counted from sec. cor.) then

South, 30 lks. to intersection with N. and S. line at

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	the witness cor. to cor. of secs. 20,21,28 and 29 which is 1.41 chs. N.0°03'W. of true cor. point; therefore,
79.90	(Computed) Intersect N. and S. line 30 lks. N. of the true cor. point of secs. 20,21,28 and 29.
	Thence
	N.89°47'W., on true line bet. secs. 20 and 29 from witness cor. to cor. of secs. 20,21,28 and 29.
	On offset line, N.89°47'W., 37.10 chs.
	Over rough mountainous land through scrub cedar and pinon timber, undergrowth, sagebrush. Ascend abruptly over ledges.
2.35	Top of sandstone ledge, 75 ft. high, bears NW. and SE.
7.70	Top of ridge and mountain, 235 ft. above cor., bears NW. and SE.
21.85	Brink of mountain top and top of sandstone ledge 50 ft. high, bears NW. and SE.; descend abruptly over ledges.
32.60	Junction of canyons from the S. and SE., 230 ft. below mountain top, drains N.; ascend.
37.10	Offset S.0°03'E.1.41 chs. to true line at foot of sandstone break, bears NW. and SE. Point for ¼ sec. cor. will fall on steep sandstone surface rock where cor. cannot be set, therefore at this point,
	Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground on solid rock and 10 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked
	WC ¼ S20/S29 1919
	from which
	A pinon, 6 ins.diam.,bears S.32°E., 54 lks. dist., marked W C ¼ S 29 B T
	A pinon, 8 ins.diam.,bears N.19°W., 81 lks. dist.,marked W C ¼ S 20 B T
	Ascend abruptly.
39.95	Point for ¼ sec. cor. falls on steep sandstone surface rock. No cor. set.

SUBDIVISION OF T. 20 S., R. 10 E.

CHAINS	
41.10	Sandstone ledge and point bench, 135 ft. above witness ¼ sec. cor., projects N.; gradually descend.
43.80	Gully, 35 ft. below point, drains N.; ascend abruptly.
47.50	Top of ledge and brink of mountain top, 90 ft. above gull, bears N. and S.; thence over mountain top.
77.10	Wash, 30 lks. wide, 5 ft. deep, drains NW.
79.90	The cor. of secs. 19,20,29 and 30.
	Land, rough mountainous and rolling; general N. exposure and drainage.
	Soil, shallow brown loam and sandstone rock; sub-soil, dry sand and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush. Fair grazing.
	S.89°58'W., on a random line bet. secs. 19 and 30.
40.00	Set temp. ½ sec. cor.
79.63	Intersect W. bdy. of the tp. 7 lks. N. of the cor. of secs. 19,24,25 and 30 heretofore described.
	Thence
	N.89°55'E., on true line bet. secs. 19 and 30.
	Over rough mountainous land through scattering scrub cedar and pinon timber and undergrowth of shadscale. Descend over nearly solid sandstone surface rock.
1.65	Top of sandstone ledge and rim of Salt Wash Canyon, bears SW. and N.80°E.; descend abruptly.
17.55	Bottom of Salt Wash Canyon and stream, 3 lks. wide, 2 ins. deep, alkali water, 125 ft. below sec. cor., course NE.; ascend.
24.35	Spur, 50 ft. above wash, projects N.; descend.
28.15	Bottom of Saddle Horse Canyon, 65 ft. below spur, drains N. about 10 chs. to junction with Salt Wash; ascend.
38.43	Spur, 200 ft. above canyon, projects NW.; point for ¼ sec. cor. will fall on side of sandstone ledge where cor. cannot be set, therefore at this point,

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked
	¼ S19 / S30 / 1919 WC
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
39.63	Point for ¼ sec. cor. on ledge. No cor. set.
	Ascend along broken N. slope.
58.45	Point of ridge, 185 ft. above ¼ sec. cor., projects N.; descend abruptly NE. slope.
63.45	Ravine, 65 ft. below ridge, drains N.70°W.; ascend .
67.35	Spur, 75 ft. above ravine, projects S. about 1 ch.; descend.
69.00	Ravine, 45 ft. below spur, drains S.70°W.; ascend abruptly over sandstone ledges and boulders 175 ft.to
79.63	The cor. of secs. 19,20,29 and 30.
	Land, rough mountainous; general N. exposure and drainage.
	Soil, shallow brown sand and sandstone rock; sub-soil, rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth shadscale. Poor grazing.
	N.0°03'W., bet. secs. 19 and 20.
	Over rough mountainous land through scattering scrub cedar and pinon timber and undergrowth of shadscale.
1.60	Wash, 30 lks. wide, 5 ft. deep, drains NW.; thence over broken ground sloping N.
22.40	Begin abrupt descent N. slope over sandstone ledges, bears E. and W.
27.60	Ravine, 200 ft. below sec. cor., drains NW.; ascend.
34.50	Point of ledge, 50 ft. above ravine, projects W.; descend abruptly over ledges.
40.00	Point for ¼ sec. cor. on sandstone ledge, cor. cannot be set at this point.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS

42.86 Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked

¼

S19 | S20

WC
1919

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

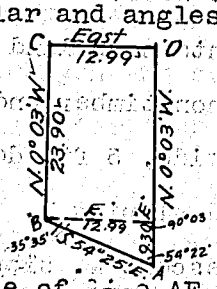
No suitable bearing trees available.

47.80 Begin steep descent over sandstone ledges, bears E. and W.

52.00 Ravine, 220 ft. below point of ledge, drains W.

55.76 Top of sandstone ledge about 100 ft. high and lower rim of wall of Salt Wash Canyon, bears E. and W. A trail down ledge, blasted in solid sandstone bears E. about 50 lks. The line N. crosses Salt Wash Canyon and numerous sandstone ledges projecting E. into same and cannot be chained, I therefore triangulate as follows:

Set flag "A" 20 lks. W. of line. On W. side of canyon from flag designated "B", "A" bears S.54°25'E. from "B" I measure N.0°03'W., 23.90 chs. to point "C" and from point "C", measure East, 12.99 chs. to point "D" which is N.0°03'W. of flag "A". All bearings taken by direct reading of the solar and angles checked by deflection.



Triangulated distance of line AE on line AD = 9.30 chs.

Total distance from cor. secs. 19,20,29 and 30 to point D. = 88.96 chs. I now measure East, 20 lks. to true line, thence S.0°03'E. 1.02 chs. to

87.94 On steep S. break of Salt Wash Canyon at point near upper rim of same. Am unable to reach true cor. point to the south on account of ledge wall of canyon which

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS

bears NE. and S.5°W., therefore at this point which is 7.94 chs. N.0°03'W. of true cor. point for secs. 17,18, 19 and 20,

Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone for witness cor. to the cor. of secs. 17,18,19 and 20, with brass cap marked

T20S S18	R10E S17
S19	S20

WC
1919

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

No suitable bearing trees available.

80.00 Point for cor. of secs. 17,18,19 and 20 falls on ledge and break of Salt Wash Canyon. No cor. set.

Land, rough mountainous; general N. exposure and drainage.

Soil, sandstone surface rock and shallow sandy loam; sub-soil, rock.

Timber, scattering scrub cedar and pinon.

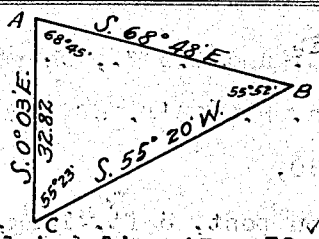
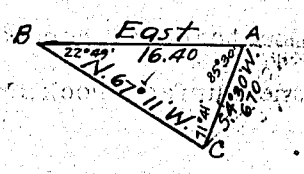
Undergrowth, shadscale. Poor grazing.

East, on a random line bet. secs. 17 and 20. (Owing to the irregular manner in which I am compelled to run this line I deem it advisable to run on the above course instead of parallel to S. bdy. of the sec.)

The line east crosses Salt Wash Canyon across which I cannot chain, and, being unable to run from true point for cor. of secs. 17,18,19 and 20 I proceed to triangulate distance across canyon as follows:

From point "A" which is 8.58 chs. N. and .20 chs. west of true cor. point secs. 17,18,19 and 20, I set flag "B", S.68°48'E. on top of ledge and E. brink of canyon. Point "C" is S.0°03'E., 32.82 chs. distant from point "A". The bearing of the line BC is S.55°20'W. All bearings taken by direct reading of the solar and angles checked by deflection.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	
	Distance of triangulated line AB = 32.64 chs. or easting of 30.43 chs. and southing of 11.80 chs. Point B therefore is 30.23 chs. E. and 3.22 chs. S. of true point for cor. of secs. 17,18,19 and 20.
	Thence, East, counting distances from true cor. point.
31.47	Box canyon across which I cannot chain, bears N. and S. To determine distance to E. side, triangulate as follows Set flag "A" on line on E. side and erect flag "B" at th this point, then from "A" measure base line AC, S.4° 30'W., 6.70 chs. to point "C". The line BC bears N.67°11'W. All bearings taken by direct reading of the solar and angles checked by deflection.
	
	Distance by triangulation = 16.40 chs.
47.87	To point on E. side of canyon. Thence North, 3.22 chs. to true random line at
47.90	Unable to reach true point for temp. ¼ sec. cor., therefore set temp. ¼ sec. cor. here.
79.80	Intersect N. and S. line30 lks. N. of the cor. of secs. 16,17,20 and 21.
	Thence N.89°47'W., on true line bet. secs. 17 and 20.
	Over rough mountainous land, through scrub cedar and pinon timber and undergrowth of sagebrush. Descend.
4.50	Gulch, 75 ft. below sec. cor., drains NW.; ascend.
7.50	W. brink of gulch, bears NW. and SE.
28.00	E. brink of gulch, bears SE., NW. about 2 chs., thence W.; descend abruptly over ledges.
31.00	Bottom of gulch, 75 ft. below brink, drains N.80°W.; ascend along N. slope.

CHAINS	
31.93	Point for offset on random line. Continue N.89°47'W. on true line.
32.83	Brink of box canyon bearing N. and S. bears W. about 2 chs. Point for ¼ sec. cor. falls in canyon where cor. cannot be set, therefore, at this point. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked $WC\frac{1}{4}\ \frac{S17}{S20}$ 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees available.
	The random line having been run by irregular triangulations west of this cor., I compute the approximate topography west from the witness ¼ sec. cor. as follows:
35.00	Brink of box canyon and top of ledge 150 ft. high, bears N.20°W., S. about 8 chs., thence W. Wash, from gulch to the N. of line falls over ledge about 1½ chs. N.
39.90	Bottom of canyon, 275 ft. deep, drains N.20°W. Point for ¼ sec. cor. in canyon. Cor. cannot be set. Ascend abruptly over ledges.
49.57	Top of ledge over Salt Wash to the west and narrow point of mountain bears N. and S. This point determined from point of triangulation 3.22 chs. S. Descend abruptly over ledges into Salt Wash Canyon.
79.00	Bottom of Salt Wash Canyon and stream, 5 lks. wide, 2 ins. deep, alkali water, 600 ft. below rim, course at bend from the S. to N.80°E.; ascend abruptly over sandstone wall.
79.80	The true point for cor. of secs. 17,18,19 and 20.
	Land, rough, broken mountains; general N. exposure and drainage.
	Soil, shallow brown loam and sandstone rock; sub-soil, rock.
	Timber, scattering scrub cedar and pinon.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	Undergrowth, shadscale. Poor grazing.
	S.89°55'W., on a random line bet. secs. 18 and 19.
	Being unable to run from true cor. point for cor. of secs. 17,18,19 and 20, I begin at the witness cor. to said cor. which is 7.94 chs. N.0°03'W. of true cor. point.
	Thence
	S.89°55'W., on offset line 13.19 chs., then
	S.0°03'E., 7.94 chs. to true random line at 13.19 chs.
	Thence, S.89°55'W.
40.00	Set temp. ¼ sec. cor.
79.35	Intersect W. bdy. of the tp. 2 lks. S. of the cor. of secs. 13,18, 19 and 24 heretofore described.
	Thence
	N.89°56'E., on true line bet. secs. 18 and 19.
	Over broken bench land through scattering scrub cedar and pinon timber and undergrowth of shadscale. Ascend.
7.70	Low spur, 50 ft. above cor., projects NW.; descend.
9.90	Head of gully, drains NW.; ascend.
12.00	Low ridge, bears NE. and SW.; descend over SE. slope.
24.60	Small gully, drains SE.; ascend.
37.20	Low point of ridge, projects S.; descend.
39.35	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 18 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S18/S19 1919 from which
	A pinon, 16 ins.diam.,bears S.47°W., 105 lks. dist.,marked ¼ S 19 B T
	A pinon, 12 ins.diam.,bears N.28°W., 95 lks. dist.,marked ¼ S 18 B T
40.95	Wash, 10 lks. wide, 5 ft. deep, drains S.; gradually ascend.
61.60	Ridge, 160 ft. above ¼ sec. cor., bears NW. and SE.; descend.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
66.16	Top of ledge and upper rim of Salt Wash Canyon, bears N.20°W. and S.; impossible to continue line east on account of ledges and breaks of canyon.
	Thence on offset line
	N.0°03'W., 7.94 chs., then
	N.89°56'E., 79.35 chs.(counted from sec. cor.) to
79.35	Intersect the witness cor. to cor. of secs. 17,18,19 and 20.
	The true cor. point secs. 17,18,19 and 20, bears S.0°03'E., 7.94 chs. distant.
	Land, rough, broken bench land; general E. exposure and N. drainage.
	Soil, brown clay loam, mixed with gravel and rock of sandstone and limestone formation; sub-soil, clay and rock.
	Timber, scrub cedar and pinon.
	Undergrowth, shadscale. Fair grazing.
	N.0°03'W., bet. secs. 17 and 18., from true cor. point secs. 17,18,19 and 20.
	Over rough mountainous land through scrub cedar and pinon timber and undergrowth of shadscale. Ascend abruptly over ledge breaks of Salt Wash.
7.94	The witness cor. to cor. of secs.17,18,19 and 20.
8.40	Top of ridge and upper rim of Salt Wash Canyon, about 500 ft. above true cor. point, bears S.85°E., N.85°W. about 5 chs., thence SW.; gradually descend over bench land.
28.45	Wash, about 50 lks. wide, 1 ft. deep, at foot of low sandstone reef, drains SW.; ascend.
30.30	Sandstone spur, 25 ft. above wash, projects SW.; descend.
33.10	Wash, 20 lks. wide, 10 ft. deep, drains SW.; ascend.
40.00	At foot of low sandstone ledge, bears N.80°E. and S.80°W. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S18 | S17

1919

CHAINS	
	from which
	A pinon, 10 ins.diam.,bears N.21°E., 18 lks. dist.,marked ¼ S 17 B T
	A pinon, 10 ins.diam.,bears S.75°W., 56 lks. dist.,marked ¼ S 18 B T
	Thence over broken 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. 7,8,17 and 18, with brass cap marked

T20S | R10E
S7 | S8
S18 | S17
1919

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

No suitable bearing trees are available.

Land, S. portion of mile rough mountainous, slopes and drains SE. into Salt Wash; remainder of mile broken bench; general N. exposure and drainage.

Soil, shallow brown clay loam, mixed with gravel and rock of limestone and sandstone formation; sub-soil, dry clay and rock.

Timber, scattering scrub cedar and pinon.

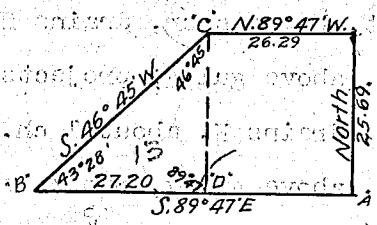
Undergrowth, shadscale. Fair grazing.

	S.89°47'E., on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
52.91	Top of sandstone ledge about 250 ft. high and wall of San Rafael River, bears NW. and S.70°E. Further measurement impossible on account of ledges, I therefore triangulate as follows:

From this point set flag "A" S.89°47'E. at a point considerable distance E. of true cor. point of secs. 8,9,16 and 17. (Sec. cor. point cannot be reached) I find that point "A" falls 7 lks. S. of a point projected S.89°47'E. of true cor. point secs. 8,9,16 and 17. (This falling is computed from temp. points left on my offset line bet. secs. 9 and 16)

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	I designate my 52.91 chs. point "B". From point "A" measure North 25.69 chs. and N.89°47'W., 26.29 chs. to point "C" which is 24 lks. E. and 25.62 chs. N. of true cor. point secs. 8,9,16 and 17. The line BC bears S.46° 45'W. All bearings taken by direct reading of the solar and angles checked by deflection.



	Triangulated distance of BD on line BA = 27.20 chs.
	Previous distance on random line = 52.91 chs.
	Total = 80.11 chs.
	Distance by return measurement .24 chs.
	Correct distance on random line 79.87 chs.
79.87	Intersect N. and S. line 7 lks. S. of the true cor. point of secs. 8,9,16 and 17.
	Thence
	N.89°50'W., on true line bet. secs. 8 and 17.
	By triangulation, topography distances only approximate.
	Over rough mountainous land through scattering scrub cedar and pinon timber and undergrowth of shadscale. Descend abruptly over ledges into San Rafael River Canyon.
10.00	Bottom of canyon and San Rafael River, 1 ch. wide, 2 ft. deep, muddy alkali water, course SE.; ascend abruptly over sandstone ledges and wall of canyon.
26.96	Point of triangulation on top of ledge and wall of canyon, about 700 ft. above river, bears NW. and S.70°E. Thence over rough bench land. Ascend.
32.30	Point of bench, projects N.; descend.
37.10	Gulch, 75 ft. below point, drains N.; ascend.
39.93½	On E. brink of flat spur, 50 ft. above gulch, projects N. Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 6 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	S8 / S17 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable trees are available.
41.25	W. brink of spur, bears N. and S.; descend.
48.60	Gully, 90 ft. below spur, drains NW.; ascend.
51.35	Spur, 50 ft. above gully, projects NW.; descend.
56.00	Rocky gulch, drains N. about 1 ch., thence W.; ascend.
57.55	Spur, 65 ft. above gully, projects N.; descend.
66.65	Gulch, 65 ft. below spur, drains NE.; ascend abruptly.
71.55	Ridge, 70 ft. above gulch, bears N. and S.; descend.
76.65	Head of gully, drains N. about 10 chs., thence NE.;ascend.
78.50	Low ridge, bears N. and S.; descend.
79.87	The cor. of secs. 7,8,17 and 18.
	Land, E. portion of mile, rough mountainous breaks of San Rafael River; general SE. exposure and drainage; remainder of mile, rough, broken bench lands; general N. exposure and drainage.
	Soil, shallow brown loam, gravelly and rocky of limestone and sandstone formation; sub-soil, dry clay and rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Fair grazing on bench.

	S.89°56'W., on a random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
79.25	Intersect W. bdy. of the tp. at the cor. of secs. 7,12, 13 and 18 heretofore described.
	Thence
	N.89°56'E., on true line bet. secs. 7 and 18.
	Over rolling bench land through short undergrowth of shadscale.
20.45	Wash, 20 lks. wide, 10 ft. deep, drains N.
25.25	Wash, 15 lks. wide, 3 ft. deep, drains NW.
39.25	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	$\frac{1}{4}$ S7 / S18 / 1919
	Dig pits, 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist.
49.45	Clay point, projects N.; descend.
54.65	Wash, 50 lks. wide, 3 ft. deep, drains N.
65.45	Wash, 25 lks. wide, 3 ft. deep, drains N.; enter scattering scrub cedar and pinon timber, bears N. and S.
	Ascend.
68.60	Low point, falls N.; descend.
71.00	Large gully, drains N. about 2 chs., thence NW.
79.25	The cor. of secs. 7,8,17 and 18.
	Land, rolling bench; general N. exposure and drainage.
	Soil, brown clay, gypsum and rocky of limestone and sandstone formation; sub-soil, clay and rock.
	Timber, scattering scrub cedar and pinon on eastern portion of mile.
	Undergrowth, shadscale. Fair grazing.
	N.0°03'W., bet. secs. 7 and 8.
	Over broken bench land sloping N., through scattering scrub cedar and pinon timber and unddrgrowth of shadscale.
15.50	Wash, 15 lks. wide, 3 ft. deep, drains NW.
16.70	Wash, 10 lks. wide, 10 ft. deep, drains NW.
38.80	Wash, 20 lks. wide, 3 ft. deep, in gulch, 100 ft. deep, drains NE.; ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ / S7 | S8 / 1919
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No suitable trees available.
43.10	Ridge,75 ft. above gulch, bears NE. and SW.; descend.
51.70	Gully, drains NE.
59.45	Same gully, drains NW.

SUBDIVISION OF T.20 S., R. 10 E.

CHAINS	
67.80	S. brink of box canyon, top of sandstone ledge 35 ft. high, bears NW. and E.; descend abruptly.
69.70	Bottom of canyon, 115 ft. below brink, drains N.80°E.; ascend abruptly.
72.70	Top of sandstone ledge, 30 ft. high and N. brink of canyon, bears NW. and SE.; thence 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. 5,6,7 and 8 with brass cap marked

T20S | R10E
S6 | S5
S7 | S8
1919

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

No suitable trees available.

Land, broken bench; general N. exposure and drainage.

Soil, shallow brown and gray clay loam; gravelly and rocky of sandstone and limestone formation; sub-soil, clay and rock.

Timber, scattering scrub cedar and pinon.

Undergrowth, shadscale. Fair grazing.

S.89°50'E., on a random line bet. secs. 5 and 8.

23.53	Impassable ledges ahead on line, to pass which, I offset as follows:

North, 3.26 chs., then on offset line

East, 42.46 chs. (counted from sec. cor); then

South, 3.26 chs. to true random line at

42.46	Set temp. ¾ sec. cor.; impossible to reach 40.00 chs.point.
79.77	Intersect N. and S. line 7 lks. N. of the cor. of secs. 4,5,8 and 9.

Thence

N.89°47'W., on true line bet. secs. 5 and 8.

Gradually descend over rolling bench, through very scattering scrub cedar and pinon timber and undergrowth of shadscale.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
19.50	Begin steep descent over NW. slope, bears NE. and SW.
23.80	Base of descent on S. side of gulch, course from the NE. to NW.; ascend.
27.60	Point, 35 ft. above gulch, projects N.; descend.
33.80	Rocky gulch, 105 ft. below point, drains SW. about 2½ chs. thence W.; a gulch from the SE. joins this gulch about 1½ chs. SW.
37.31	Point for ¼ sec. cor. falls on ledge where cor. cannot be set, therefore at this point
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone on solid rock for witness cor. to the ¼ sec. cor., with brass cap marked
	WC ¼ S5 / S8 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	The line west follows along steep S. break of ledges and gulch draining W.; thence on offset line
	North, 3.26 chs.; then
	N.89°47'W., 56.24 chs. counted from sec. cor. Along top of N. brink of gulch and break of San Rafael River. Thence
	South, 3.26 chs. to true line at
56.24	On point of spur, projects S. about 5 chs. to San Rafael River. Descend.
60.30	Box gulch, drains S.; ascend abruptly over ledges.
62.30	Top of ledge spur, 50 ft. above gulch, projects S.; descend abruptly into San Rafael River Canyon over vertical sandstone ledge 100 ft. high.
66.80	Bottom of canyon and San Rafael River, 1 ch. wide, 1 to 2 ft. deep, alkali water, 125 ft. below spur, course S.; ascend.
69.00	Low point, projects NE.; descend.
74.15	Canyon wash, 50 lks. wide, 10 ft. deep, drains NE.; ascend abruptly E. slope 100 ft. to
79.77	The cor. of secs. 5,6,7 and 8.

SUBDIVISION OF T.20 S., R.10 E.

CHAINS	
	Land, rough, broken bench lands; general S. exposure and drainage.
	Soil, shallow brown clay, sand and sandstone rock; subsoil, dry sand and rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Fair grazing.
	S.89°56'W., on a random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
79.10	Intersect W. bdy. of the tp. 19 lks. S. of the cor. of secs. 1,6,7, and 12 heretofore described.
	Thence
	S.89°56'E., on true line bet. secs. 6 and 7.
	Over rolling and broken bench land through very scattering scrub cedar and pinon timber and undergrowth of shadscale.
.65	Wash, 20 lks. wide, 12 ft. deep, drains NW.
10.80	Wash, 20 lks. wide, 3 ft. deep, drains NW.; ascend.
13.40	Low clay ridge, 50 ft. above wash, beans N. and S.; descend.
15.90	Wash, 15 lks. wide, 10 ft. deep, 50 ft. below ridge, drains N.; ascend.
19.00	Low spur, projects N.; descend.
21.20	Gulch, 50 ft. below spur, drains NW.; ascend.
25.70	Spur, 50 ft. above gulch, projects N.; descend.
28.20	Wash, 50 lks. wide, 15 ft. deep, drains NW.
32.50	Wash, 50 lks. wide, 20 ft. deep, drains NW.
39.10	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S6/S7 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable trees available.
41.30	Wash, 20 lks. wide, 10 ft. deep, drains NW.
51.00	Wash, 15 lks. wide, 5 ft. deep, drains NW.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
60.60	Wash, 30 lks. wide, 15 ft. deep, drains NW.; enter heavier timber, bears NW. and SE.
69.10	Wash, 20 lks. wide, 10 ft. deep, drains NW.; ascend.
74.30	Spur, projects NW.; descend 25 ft. to
79.10	The cor. of secs. 5,6,7 and 8.
	Land, rough, broken bench; general N. exposure and drainage.
	Soil, brown and blue clay, gypsum, gravelly and rocky of sandstone and limestone formation; sub-soil, hard, dry, clay, gypsum and rock.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, shadscale. Fair grazing.
	N.0°06'W., on a random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
86.12	Intersect N. bdy. of the tp. 23 lks. E. of the cor. of secs. 5 and 6 heretofore described
	Thence
	S.0°15'E., on true line bet. secs. 5 and 6.
	Over rough, broken clay and gypsum hills, through short undergrowth of shadscale.
7.50	Low spur, projects SW.
10.90	N. brink of gulch, bears NE. and SW.; descend abruptly.
14.30	Bottom of gulch, 55 ft. below brink, drains SW.; ascend.
19.00	Spur, 65 ft. above gulch, projects SW.; descend abruptly.
21.00	Gulch, 80 ft. below spur, drains SW.; ascend.
23.60	Point of spur, 80 ft. above gulch, projects SW.; descend.
28.60	Gulch, 35 ft. below spur, drains NW.; ascend.
31.75	Spur, 35 ft. above gulch, projects SW.; descend.
36.34	Head of gulch, drains SW.
46.12	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S6 | S5 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
49.20	Wash, 20 lks. wide, 10 ft. deep, drains SW.; enter scattering scrub cedar and pinon timber, bears NE. and SW.
54.65	Low spur, projects SW.; descend.
67.85	N. brink of San Rafael River Canyon, bears NW. and SE.; descend abruptly.
74.60	San Rafael River, 1 ch. wide, 1 to 2 ft. deep, alkali water, course E.; ascend.
77.00	Ascend abruptly from canyon over sandstone ledge about 100 ft. high, bears E. and W.
78.35	Top of ledge and brink of canyon, bears E. and W.; ascend broken NE. slope 100 ft. to
86.12	The cor. of secs. 5,6,7 and 8.

Land, rough, broken hills and mountains; N. and S. exposur and drainage to San Rafael River which drains SE.

Soil, blue clay and gypsum, mixed with sandstone and limestone rock; sub-soil, clay and rock.

Timber, scattering scrub cedar and pinon on southern portion of mile.

Undergrowth, shadscale. Fair grazing.

ESTABLISHMENT CENTER ¼ SEC. COR. SEC. 36

I am unable to run the N. and S. center line of sec. 36 on account of impassable ledges and therefore to establish the center ¼ sec. cor. for sec. 36, I begin at the witness cor. to the ¼ sec. cor. bet. secs. 35 and 36, T.20 S.,R.10 E. which is 12.66 chs. N. and 2.92 chs. E. of true cor. point.

Thence

East, in sec. 36, 37.18 chs., then

South, 12.66 chs. to true point for center ¼ sec. cor. Cor. point falls on sloping sandstone bedrock where I am unable to set cor., therefore continue south to 17.54 chs., or 4.88 chs. south of true cor. point where I,

Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in

SUBDIVISION OF T.20 S.,R.10 E.

CHAINS	
	in the ground on solid rock and 20 ins. in a mound of stone for witness ¼ sec. cor. to center ¼ sec. cor. sec. 36, with brass cap.
	WC C¼S36 1919
	No accessories built at cor.
	The lines run to establish this cor. were doubled chained and the bearings were checked by independent observations.
	ESTABLISHMENT CENTER ¼ SEC. COR. SEC. 12.
	From the ¼ sec. cor. bet. secs. 11 and 12
	East, on E. and W. center line sec. 12.
	Over rolling mountain top, through scrub cedar and pinon timber and undergrowth of shadscale.
38.00	Brink of mountain top, bears NE. and SW.; descend abruptly over ledges.
40.00	Set temp. center ¼ sec. cor. Cor. later established 4 lks. E., for description of cor. see N. and S. center line of this sec.
	From the ¼ sec. cor. bet. secs. 1 and 12.
	South, on N. and S. center line sec. 12.
	Over rolling mountain top through dense cedar and pinon timber and undergrowth of shadscale.
9.40	Wash, 10 lks. wide, 2 ft. deep, drains N.10°E.
23.50	Same wash, drains NW.
35.10	Brink of mountain top, bears NE. and SW.; descend abruptly over ledges.
40.00	Intersect E. and W. center line 4 lks. E. of temp. point left 40.00 chs. E. of ¼ sec. cor. bet. secs. 11 and 12. At intersection.
	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 12 ins. in a mound of stone for center ¼ sec. cor., sec. 12, with brass cap marked

BOUNDARIES OF T.20 S.,R.10 E.

C¼S12

1919

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

The survey of the E½; and SW¼ of sec. 12, secs. 13,14,15, 23,24, 25, 26 and the E½ of sec. 36 were eliminated from this survey on account of impassable ledges and the deep box canyon of The San Rafael River. After careful investigation of the country and attempts to find a route to ascend the ledges which encircle the unsurveyed ground, I was compelled to abandon the survey as no route could be found.

BOUNDARIES OF T.20 S.,R.10 E.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated	True bearings	Distances chs.	latitudes N. chs.	latitudes S chs.	Departures E chs.	Departures W. chs.
N bdy T20SR10E	N.89°56'W.	40.40	.05	.....	.....	40.40
"	West	38.59	.....	.....	.....	38.59
"	S.89°58'W.	39.91	.....	.02	.....	39.91
"	S.89°45'W.	40.07	.....	.18	.....	40.07
"	S.89°55'W.	39.94	.....	.06	.....	39.94
"	S.89°58'W.	39.94	.....	.02	.....	39.94
"	N.89°55'W.	39.93	.06	.....	.....	39193
"	N.89°58'W.	40.16	.02	.....	.....	40.16
"	S.89°55'W.	39.85	.....	.06	.....	39.85
"	S.89°49'W.	40.26	.....	.13	.....	40.26
"	West	79.40	.....	.....	.....	79.40
W bdy T20SR10E	South	486.07	.....	486.07	.....	.....
S.bdy T20SR10E	East	400.00	.....	.....	400.00	.....
E bdy sec.35	N.0°01'W	80.00	80.00	.....	.....	.02
N bdy sec 35	N.89°58'W.	79.81	.05	.....	.....	79.81
E bdrs. secs 22&27	N.0°01'W.	160.00	160.00	.....	.....	.05
S bdy sec 15	S.89°48'W	80.18	.....	.28	.....	80.18
E bdy sec.16	N.0°02'W.	80.00	80.00	.....	.....	.05
S bdrs.secs 10&11	East	160.00	.....	.....	160.00	.....
E bdy sec 11	N.0°01'W	80.00	80.00	.....	.....	.02
S bdy sec 1	East	80.00	.....	.....	80.00	.....
E bdy T20SR10E	North	86.79	86.79	.....	.....	.....
Convergency			.....	.....	.....	.44
	Totals		486.97	486.82	640.00	639.02

Error in latitude = 486.82 − .15 = 486.97

Error in departure = 639.02 − .98 = 640.00

GENERAL DESCRIPTION, T.20 S., R.10 E.

This township contains two varieties of land, rough mountains and rolling benches. In general, the twonship can be termed a bench as the mountainous portion refers to the numerous box canyons and gulches with vertical walls of sandstone which cut through the benches in north and south directions to the San Rafael River. These canyons or gulches as a whole are impassable and range from a depth of about 500 ft. at the head to a depth of 1500 ft. at the river. The San Rafael, Salt Wash and Saddle Horse Canyons are the largest in the township. The general drainage is east to Green River.

The soil of the bench is a shallow red and brown sand about 6 ins. deep on the average and lies on sandstone rock, and, in many places sandstone surface rock covers large areas. The soil of the canyons and gulches is nearly all rock of sandstone formation, with the rock is some brown and red sandy clay soil. In the NW¼ of sec. 6 on the bottom lands of the San Rafael River the soil is a deep, rich, brown sandy loam, capable of producing crops with irrigation. North of the San Rafael River in secs. 4,5 and 6 is considerable gypsum.

In general, the township is covered with a medium growth of cedar and pinon timber. Along Salt Wash and San Rafael River considerable large cottonwood timber grows. With the timber is a short growth of shadscale and sagebrush undergrowth, also a short, rich grass.

The township is watered by the San Rafael River which enters in sec. 6 and flows in a southeasterly direction and also Salt Wash which enters in sec. 30 and joins the San Rafael River in sec. 16. The water in these streams contains much alkali and is unfit for anything but stock watering. Birch Springs, situated in the NW¼ of NW¼ sec. 20 (not visible from line) is the only good water in the township and apparently flows the

GENERAL DESCRIPTION, T.20 S.,R.10 E.

entire year. The sandstone formations on the bench in many places serve as resevoirs, the water from storms being held in large holes or pockets.

There are no settlers in the township.

We find no indiactions of mineral in the township.

No magnetic declination was taken on account of defective neddle.

The land in this township is valuable for winter range for sheep and cattle.

Howard W. Miller
U.S.Cadastral Engineer.

Walter Byergo
U. S. Transitman.

Water Locations T.20 S.,R.10 E.

Sec. 5 : SW¼ of SW¼

Sec. 6 : SE¼ ; NE¼ of SW¼ ; S½ of NW¼.

Sec. 8 : W½ of NE¼ ; SE¼ ; N½ of NW¼.

Sec 9 : S½ of SE¼

Sec. 10 : SW¼ of SW¼

Sec 16 : N½ of NE¼ ; N½ of NW¼.

Sec. 17: E½ of NE¼ ; SW¼ of NE¼ ; NW¼ of SE¼; E½ of SW¼; SW¼ of SW¼.

Sec. 19: E½ of NE¼ ; SW¼ of NE¼ ; S½ of NW¼; SW¼

Sec. 20; NW¼ of NW¼

Sec. 30 : W½ of W½

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
Charles Dorius	1st. chainman
Leonard D. Davis	1st. chainman
Dewey Ackerman	2nd. chainman
Arnold Mc Ewan	2nd. chainman
Fay Fredericksen	flagman
Farrel Rasmussen	flagman
Max Ungerman	cornerman

6—2764

CADASTRAL ENGINEER

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~.
AND UNITED STATES TRANSITMAN.

Howard W. Miller, U. S. Cadastral Engineer

We, Walter Byergo, U. S. Transitman, ~~U.S. Surveyor~~, hereby certify upon honor that, in pursuan

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the 9th day of May, 1918 we have well, faithfully, and tru

in our own proper persons and in strict conformity with said instructions, the Manual of Surveying Instru

tions, and the laws of the United States, surveyed all those parts or portions of RESURVEY OF THE

NORTH BOUNDARY, SURVEY OF THE 4TH. STANDARD PARALLEL SOUTH THROUG

RANGE 10 EAST; EAST BOUNDARY AND SUBDIVISION OF T.20 S.,R.10 E.

of the Salt Lake

Base and Meridian, in the State of Utah, which are represented i

the foregoing field notes and date diagram as having been executed by us, and under our direction; and on dates shown on dia

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru

tions, and the special written instructions of the U. S. Surveyor General for Utah

and in the specific manner described in the field notes, and that the foregoing are the original field notes o

such survey.

Certified to at Salt Lake City, Utah
March 24, 1920

Howard W. Miller,
U. S. Cadastral Engineer ~~U. S. Surveyor~~

Certified to at Ephraim, Utah, ~~March 27, 1920~~

Walter Byergo
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Oct. 28, 1912

The foregoing field notes of the ~~survey of~~ resurvey of the north boundary, and survey of the east boundary and subdivisional lines of Township No. 20 South, Range No. 10 East of the Salt Lake Base and Meridian, Utah; and survey of the fourth standard parallel south through Range No. 10 East of the Salt Lake Base and Meridian, Utah;

executed by Howard W. Miller and Walter Byergo

under his special instructions dated May 9, 1918, 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.

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Original

U. S. Surveyor General's Office
APR 16 1920
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY

AND

SUBDIVISION

OF

T. 38 S., R. 24 E.

Of the Salt Lake Base and *Meridian,*

In the State of UTAH

EXECUTED BY

ANDREW NELSON, U.S. SURVEYOR

AND

CHAUNCEY J. TERRY, U.S. TRANSITMAN

~~IN THE CAPACITY OF U.S. SURVEYOR~~, *under instructions dated* May 26, *1919, issued by the United States Surveyor General to govern surveys included in Group No.* 83, *which were approved by the Commissioner of the General Land Office,* June 28, *1919*

Assignment Instructions dated June 23, 1919.

Survey commenced July 24, *1919*

Survey completed August 21, *1919*

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Examination Completed

A Plat F.B.J. Notes H.F.B.

B Computations F.B.J.

C Comparing Plat V.I.F. Notes K.F.B.

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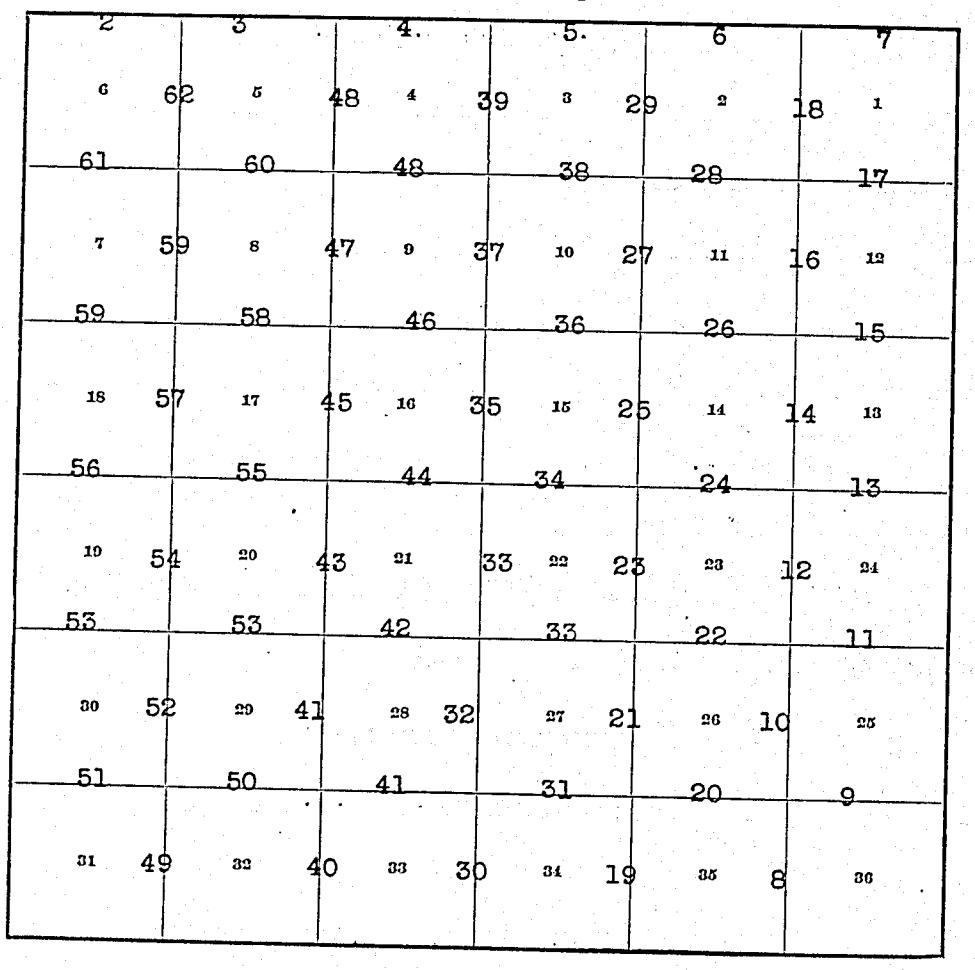
INDEX DIAGRAM.

Township 38 South, *Range* 24 East



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INDEX DIAGRAM.

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Date Diagram of T. 38 S., R. 24 E.

Date Diagram of T. 38 S., R. 24 E.

8-20/19	8-20/19	8-20/19	8-20/19	8-19/19	8-19/19
8-15/19	8-15/19	8-16/19	8-16/19	8-21/19	8-21/19
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7 8-13/19 8-13/19	8-14/19 8 8-12/19 8-12/19	9 8-18/19 8-6/19	10 8-19/19 8-6/19	11 8-1/19	12 8-20/19 8-1/19
18 8-11/19 8-11/19	8-14/19 17 8-6/19 8-9/19	16 8-6/19 8-5/19	15 8-1/19 8-2/19	14 7-31/19 7-31/19	13 7-25/19
19 8-9/19 8-8/19	20 8-5/19 8-8/19	21 8-2/19 8-5/19	22 7-30/19 7-30/19	23 7-25/19 7-25/19 7-26/19	7-25/19 24 7-25/19 7-25/19
30 8-8/19 8-8/19	29 8-5/19 8-7/19	28 7-29/19 8-4/19	27 7-26/19 7 29/19	7-26/19 26 7-25/19 7-26/19	7-25/19 25 7-25/19 7-24/19
31 8-7/19	32 8-4/19	33 7-28/19 7-29/19	34 7-26/19	7-26/19 35 7-24/19	7-24/19 36 7-24/19

Lines colored and dated in black —— were surveyed by Chauncey J. Terry, U. S. Transitman.

Lines colored and dated in red ——— were surveyed by Andrew Nelson, U.S. Surveyor.

Lines colored and dated in red and black ═══ were surveyed jointly by Nelson and Terry.

North Boundary of T. 38 S., R. 24 E.

Chains	
	Survey commenced July 24, 1919 and executed with Young & Sons light mountain transits Nos. 8496 and 8580, equipped with Smith solar attachment, for full description and test of instruments see survey of T. 38 S., R.25 E.
	From the cor. of Ts. 37 and 38 S., Rs. 24 and 25 E., in latitude 37°33'N., longitude 109°17'W., as recently established by me, and described in the survey of T.38 S., R. 25 E.; thence
	West, on random line, along the N. bdy. of Tp. 38 S., R. 24 E., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and, at 475.76 chs., fall 54 lks. N. of the cor. of Ts. 37 and 38 S., Rs. 23 and 24 E., which is an iron post, 3 ins. dia., extending 12 in. above ground, firmly set, marked and witnessed as described by the surveyor general. The falling answers to a correction of 04', or 9 lks. S. per mile, counting from the NE. cor. of the Tp.; therefore
	N. 89°56'E., on true line, bet. secs. 6 and 31.
	Over rolling mesa land, through dense scrub cedar and pinon timber, short undergrowth of sagebrush; gradually asc. W. slope, 35 ft. to
7.60	Thence over rolling top of mesa, bears N. and S.
35.76	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S31 / S6 1919 from which
	A cedar, 10 ins.diam.,bears S.71¾°E., 96 lks.dist., marked ¼ S6 BT
	A cedar, 10 ins.diam.,bears N.20°W., 71 lks.dist., marked ¼ S31 BT
58.00	Leave dense, enter very scattered timber, bears N. and S.
75.76	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground for cor. of secs. 5-6-31 and 32, with brass cap marked

North Boundary of T.38 S.,R.24 E.

Chains	
	T37S | R24E S31 | S32 S6 | S5 T38S 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. No trees within limits.
	Land, rolling and low broken mesa land, general exposure to the S.
	Soil, loose sandy loam, clay; on sandstone and clay subsoil.
	Timber, dense scrub cedar and pinon, on W. 58 chs.; very scattering on the remainder of mile.
	Undergrowth, considerable sagebrush and scattered greasewood. Grazing land.

	N. 89°56' E., bet. secs. 5 and 32.
	Over rolling mesa land, through dense sagebrush, few scattered cedar trees.
36.15	Road, bears NW. and SE.
39.00	Enter scattered cedars, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S32 / S5 1919 from which A cedar, 12 ins.diam.,bears N.25¼°E., 445 lks. dist.,marked ¼ S32 BT A cedar, 24 ins.diam.,bears S.68¾°W., 130 lks. dist.,marked ¼ S5 BT
58.00	Enter dense timber, bears N. and S.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 4-5-32 and 33, with brass cap marked T37S | R24E S32 | S33 S5 | S4 T38S 1919 from which A cedar, 12 ins.diam.,bears N.22¼°E., 46 lks. dist., marked T37S R24E S33 BT A cedar, 10 ins.diam.,bears S.23½°E., 21 lks. dist.,marked T38S R24E S4 BT

North Boundary of T.38 S., R.24 E

Chains	
	A cedar, 8 ins.diam.,bears S.53½°W., 21 lks. dist.,marked T38S R24E S5 BT A cedar, 10 ins.diam.,bears N.61½°W., 34 lks. dist.,marked T37S R24E S32 BT
	Land, rolling mesa, slight general S. exposure.
	Soil, loose sandy loam.
	Timber, cedar and pinon, on E. 41 chs.
	Undergrowth, sagebrush. Good grazing land.

	N. 89°56' E., bet. secs. 4 and 33.
	Over rolling mesa, through dense timber, and considerable sagebrush undergrowth; gently desc. E. slope, 31 ft. to
9.85	Leave top of mesa, begin gradual descent towards wash bottom, bears N. and S.
30.00	Leave dense, enter scattering timber, bears N. and S.
40.00	On E. slope, 175 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S33 / S4 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No trees within limits.
72.00	Wash, 50 lks. wide, 8 ft. deep, in bottom of Cave Canyon, 50 ft. below ¼ cor., at bend, from NW. to NE.
80.00	On a N. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 3-4-33 and 34, with brass cap marked
	T37S | R24E S33 | S34 S4 | S3 T38S 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. No trees within limits.
	Land, rolling mesa top, and gentle slopes of wide, shallow canyon, draining to SE.

North Boundary of T. 38 S., R. 24 E.

Chains	
	Soil, loose sandy loam, and reddish clay, on clay and rock subsoil.
	Timber, cedar and pinon, dense on W. 30 chs. and scattered on the remainder of mile.
	Undergrowth, considerable sagebrush.
	Grazing land.

	N. 89°56' E., bet. secs. 3 and 34.
	Over rolling and broken land, through very scattered timber, and considerable undergrowth.
2.40	Wash, 50 lks. wide, 6 ft. deep, in bottom of Cave Canyon, course SE.; asc. W. slope, 140 ft. to
31.30	Top of ascent, bears N. and S.; thence over rolling mesa, through dense timber.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼ S34 / S3 1919 from which

A cedar, 10 ins.diam.,bears North, 92 lks. dist.,marked ¼ S34 BT
A cedar, 8 ins.diam.,bears S.38°W., 93 lks. dist.,marked ¼ S3 BT

45.00	Gradually desc. SE. slope, 135ft. to
56.55	Bottom of draw, course SW.; asc. 120 ft. to
75.00	Top of ascent from draw, thence over mesa.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in ground, to bedrock, and in a mound of stone, for cor. secs. 2-3-34 and 35, with brass cap marked

T37S S34	R24E S35
S3	S2

T38S 1919 from which

A cedar, 10 ins.diam.,bears N.36°E., 97 lks. dist.,marked T37S R24E S35 BT
A cedar, 10 ins.diam.,bears S.48°E., 102 lks. dist.,marked T38S R24E S2 BT
A cedar, 6 ins.diam.,bears S.39°W., 42 lks. dist.,marked T38S R24E S3 BT
A cedar, 10 ins.diam.,bears N.32°W., 51 lks. dist.,marked T37S R24E S34 BT

North Boundary of T.38 S., R.24 E.

Chains	
	Land, rolling and broken mesa, general exposure to SW. and S.
	Soil, loose sandy loam, clay and rocky; sandstone formation.
	Timber, sscrub cedar and pinon.
	Undergrowth, sagebrush. Grazing land.

	N. 89°56' E., bet. secs. 2 and 35.
	Over rolling mesa, through dense timber, scattered undergrowth; over slight SW. slope.
8.50	Thence over slight E. slope.
27.00	Leave top of high mesa, bearing N.20°W. and S.20°E.; desc. broken E. and NE. slopes.
37.00	Leave dense, enter scattering scrub timber, bears NW. and SE.
40.00	On a SE slope, 235 ft. below the 27 ch. point. Set an iron post, 3 ft. long, 1 in. dia., on underlying rock, 26 ins. in a large mound of stone, for ¼ sec. cor., with brass cap marked
	S35 ¼ S2 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Trees within limits but too scrubby to mark.
48.50	Bottom of draw, 105 ft. below ¼ cor., course N.10°E.; thence over a broken general N. slope, descending.
65.50	Draw, 50 ft. deep, course N. for 4 chs. thence to E.
80.00	On rocky E. slope, 195 ft. below ¼ cor. Set an iron post, 3 ft. long, 2 ins. dia., on bedrock, 24 ins. in a large mound of stone, for cor. of secs. 1-2-35 and 36, with brass cap marked

T37S	R24E
S35	S36
S2	S1

T38S
1919

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

North Boundary of T.38 S., R. 24 E.

Chains	
	Land, rolling and broken mesa; having a SW. exposure on W. 8½ chs. and to NE. on remainder.
	Soil, loose sandy loam, dark, stiff clay and rocky; sandstone formatiom.
	Timber, cedar and pinon.
	Undergrowth, sagebrush and shadscale.
	Grazing land.

	N. 89°56' E., bet. secs. 1 and 36.
	Over broken land, facing to N., through scattered timber, and undergrowth; desc. abruptly 45 ft.
2.25	Depression on N. slope, drains N.; asc. 60 ft. to
9.20	Top of ascent on N. slope, bears N. and S.; desc. 160 ft.
16.40	Depression on N. slope, drains N.; asc. 75 ft.
21.50	Top of ascent on rocky N. slope, ascends to S.; desc. 135. ft. to
29.00	Leave rough broken land, and timber, enter level bottom land, bears N. and S.
29.30	Very dim trace of wagon road, bears N. and S.
32.00	Right bank of wash, 15 ft. high, bears NE. and S., thence across dry channel, sandy bottom, course S.; in bottom of Montezuma Canyon.
36.30	Left bank, 12 ft. high, bears NE. and SW.; continue over level land, dense undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked $\frac{1}{4}$ S36 / S1 1919 dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
49.00	Leave canyon bottom, bears N. and SW; asc. steep W. slope, 130 ft. to
59.00	Top of narrow point of bench, 2 chs. wide, extending SW. about 6 chs. to end; desc. E. slope, 115 ft. to
62.70	Base of slope, enter level land, bears NE. and SW.
71.70	Top of small round knoll, 20 ft. high, on line.

Subdivision of T. 38 S., R. 24 E.

Chains	
80.00	The cor. of Ts. 37 and 38 S., Rs. 24 and 25 E.
	Land, W. 29 chs. is rough broken bench land, remainder is level bottom land, with point of bench, in Montezuma Canyon, which drains S.
	Soil, rocky, clay amd sandy loam; sandstone formation.
	Timber, scattering scrub cedar and pinon, on W. 29 chs.
	Undergrowth, medium dense sagebrush and greasewood; dense greasewood in canyon bottom.
	Grazing land.

	Subdivision of T.38 S., R.24 E.
	From the cor. of secs. 1-2-35 and 36 on S. bdy. of tp., which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	Thence,
	N. 0°01' W., bet. secs. 35 and 36.
	Over rolling mesa land, slight SW. slope, through very scattered cedar timber, dense black sagebrush undergrowth.
16.60	Small draw, course N.80°W.
27.50	Enter medium dense timber, bears E. and W.
36.00	S. rim of gulch, bears N.80°E. and S.80°W.; desc. N. slope, 45 ft. to
40.00	On N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S35 | S36 1919
	from which
	A cedar, 10 ins.diam.,bears N.7½°E., 59 lks. dist.,marked ¼ S36 BT. A cedar, 8 ins.diam.,bears N.32¼°W., 49 lks. dist.,marked ¼ S35 BT.
43.70	Wash, 20 lks. wide, 2 ft. deep, in bottom of gulch, 15 ft. below ¼ cor., course S.80°W.; asc. N. slope, 90 ft. to
52.75	N. rim of gulch, bears NE. and S.80°W.; thence over slight S. exposure, over considerable sandstone outcrops or bedrock.

Chains	
72.00	Leave bedrock, enter heavier sagebrush, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 25-26-35 and 36, with brass cap marked

T38S R24E
S26 | S25
S35 | S36
1919 from which

A cedar, 5 ins.diam.,bears N.38½°E., 104 lks. dist.,marked T38S R24E S25 BT
A cedar, 6 ins.diam.,bears S.32¾°E., 150 lks. dist.,marked T38S R24E S36 BT
A cedar, 8 ins.diam.,bears S.65½°W., 192 lks. dist.,marked T38S R24E S35 BT
A cedar, 6 ins.diam.,bears N.49°W., 48 lks. dist.,marked T38S R24E S26 BT

Land, rolling and broken mesa, having a slight slope to the S.; drainage to SW. into Alkali Canyon.

Soil, loose, shallow sandy loam, clay and bedrock; sandstone formation.

Timber, cedar, few pinon, on mile.

Undergrowth, black sagebrush, 2 to 3 ft. high.

Good grazing land.

S. 89°53'E., on random line, bet. secs. 25 and 36.

40.00	Set temp. ¼ sec. cor.
80.19	Intersect E. bdy. of tp., at the cor. of secs. 25-30-31 and 36, heretofore described in T.38 S.,R.25 E.

Thence,

N. 89°53'W., on true line, bet. secs. 25 and 36.

Over nearly level flat, bottom land in Montezuma Canyon, through sparse sagebrush and greasewood.

10.70	Leave flat, enter rolling and broken land, bears NW. and SE.; gradually ascending bench land, 175 ft. to
40.09½	On E. slope.

Set an iron post, 3 ft. long, 1 in. dia., on underlying rock, 26 ins. in a large mound of stone, 5 ft. base, for the ¼ sec. cor., with brass cap marked

¼ S25
S36
1919

Subdivision of T. 38 S., R.24 E.

Chains	
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
52.00	Begin steep ascent E. face of mesa, bears N. and SE.
59.50	Top of ascent on mesa top, 250 ft. above ¼ cor., bears N. for about 25 chs., thence to E., and SE. for 10 chs. thence to S.70°E.; thence over rolling top of mesa, slight S. slope, desc. 15 ft. through medium dense timber.
80.19	The cor. of secs. 25-26-35 and 36.
	E. 10.70 chs. level flat in Montezuma Canyon; next 49 chs. is rolling and broken benches, E. slope; remainder is top of rolling mesa, with slight S. to SW. slope.
	Soil, clay, gravelly, rocky and loose sandy loam.
	Timber, very scattered on the E. 59 chs.; medium dense on W. portion.
	Undergrowth, scattered sagebrush and greasewood.
	Grazing land.

	N. 0°01' W., bet. secs. 25 and 26.
	Over rolling mesa land, through scattered cedar timber, dense sagebrush undegrowth; over slight SW. slope.
34.00	Thence over slight NW. slope, through heavier timber, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S26 | S25 1919 from which
	A cedar, 8 ins.diam.,bears S.67¾°E., 25 lks. dist.,marked ¼ S25 BT
	A cedar, 5 ins.diam.,bears N.75¾°W., 48 lks. dist.,marked ¼ S26 BT
71.90	Rim of mesa, bears E. and W.; desc. abruptly N. slope, over huge boulders, through scattered timber.
75.00	Base of abrupt descent, continue more gradual descent, over broken bench land.
80.00	On N. slope, 170 ft. below rim of mesa.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in

Subdivision of T. 38 S., R. 24 E.

Chains	
	ground, for cor. of secs. 23-24-25 and 26, with brass cap marked
	T38S | R24E S23 | S24 S26 | S25 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. No trees within limits.
	S. 72 chs. is rolling mesa, with scattered to medium dense scrub cedar, and dense sagebrush; remainder is N. slope of mesa and bench land, with scattered growth of scrub cedar, and scattered undergrowth of sagebrush, shadscale and greasewood.
	Soil, loose, shallow sandy loam, some clay, on the mesa; stiff, dark clay and rocks on remainder.
	Grazing land.

	S. 89°53' E., on random line, bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect E. bdy. of tp., 12 lks. S. of cor. of secs. 19-24-25 and 30, heretofore described.
	Thence
	N. 89°58' W., on true line, bet. secs. 24 and 25.
	Over level bottom land in Montezuma Canyon, through undergrowth of greasewood, sagebrush and shadscale.
6.10	Leave bottom land, enter rough, broken land, with very scattered scrub cedars, bears NW. and SE.; asc. NE. slope, over boulders, 330 ft. to
38.70	Top of ascent on rim of mesa, bears NW. and SE.; thence over rolling top of mesa.
39.96	On level ground.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S24 S25 1919 from which

Subdivision of T. 38 S., R. 24 E.

Chains	
	A cedar, 8-ins.diam., bears S.9¾°E., 22 lks. dist., marked ¼ S25 BT A cedar, 6 ins.diam., bears N.62°W., 65 lks. dist., marked ¼ S24 BT
42.00	Leave top of mesa, bears N.30°E. and SW.; desc. broken land sloping NW., 180 ft. to
79.92	The cor. of secs. 23-24-25 and 26.
	Land, rough, broken slopes from mesa, on 70½ chs.; level canyon bottom on E. 6 chs.; and rolling top of high mesa on 3.30 chs.
	Soil, clay, rocky, with some sandy loam and gravel; surface strewn with large boulders; sandstone formation.
	Timber, very scattered scrub cedar, on W. 74 chs.
	Undergrowth, short scattered sagebrush, shadscale and greasewood.
	Grazing land.

	N. 0°01' W., bet. secs. 23 and 24.
	Over rolling and broken bench land, facing to N., through very scattering cedar timber, scattering undergrowth.
36.00	Desc. steeper N. slope.
40.00	On N. slope, 60 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S23 | S24 1919 from which
	A cedar, 12 ins.diam., bears S.32¼°E., 64 lks. dist., marked ¼ S24 BT A cedar, 8 ins.diam., bears S.71°W., 182 lks. dist., marked ¼ S23 BT
44.00	Base of bench land, 50 ft. below ¼ cor., bears E. and W.; thence over level land, through heavier undergrowth, leave all timber.
52.90	Wash, 30 lks. wide, 4 ft. deep, course E. 70°E.
59.00	Leave level land, enter broken bench land, bears E. and W.; asc. 190 ft.
74.00	To p of ascent on bench, bears E. and W.

Subdivision of T. 38 S., R. 24 E.

Chains	
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 13-14-23 and 24, with brass cap marked
	T38S | R24E S14 | S13 S23 | S24 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling and broken benches, on S. 44 and N. 21 chs.; remainder level land, lying in arm of Montezuma Canyon.
	Soil, clay, gravelly and rocky on benches; deep, fine, clay loam on level land.
	Timber, scattering scrub cedar, on S. 44 chs.
	Undergrowth, sagebrush, greasewood and shadscale.
	Grazing land.

	S. 89°58' E., on random line, bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
79.84	Intersect E. bdy. of tp., 5 lks. S. of cor. secs. 13-18-19 and 24, heretofore described.
	Thence,
	West, on true line, bet. secs. 13 and 24.
	Over rolling top of bench, thrpugh shorttscattered undergrowth.
21.60	Descend W. slope, 170 ft. to
28.00	Base of high bench land, enter low rolling land in Montezuma Canyon, bearing N. to NE. and S.60°E.
32.45	Dim road, bears N. and S.
33.15	Wire fence, bears N.20°W. for about 5 chs. to cor., thence north easterly, and S.20°E.
39.92	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	S13 ¼ S24 1919
	dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.

Subdivision of T. 38 S., R. 24 E.

Chains	
45.00	Thence over level land, 30 ft. below ¼ cor., bears N. and S.
48.65	Wash, 2 chs. wide, 16 ft. deep, dry, in bottom of Montezuma Canyon, course S.
74.00	Leave bottomland, enter broken bench, bears NW. and SE.; asc. 100 ft. to
79.84	The cor. of secs. 13-14-23 and 24.
	Land, rolling and broken benches on the E. 28 and W. 6 chs.; remainder gently rolling and level land in canyon bottom,
	Soil, gravelly, clay and rocky on benches; deep clay loam on bottom land.
	Undergrowth, short scattering greasewood, shadscale and sagebrush; heavier greasewood on bottom lands.
	Grazing land. No timber.
	N. 0°01' W., bet. secs. 13 and 14.
	Over rolling and broken low land, facing E., cut by several small short washes, putting E. into Montezuma Canyon, through short scattered undergrowth.
37.00	Small wash, 10 lks. wide, 1 ft. deep, course SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S14 | S13

1919

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

60.00	Enter scattering scrub cedar, bears E. and SW.
75.25	Ravine, 50 ft. deep, course E.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in ground to bedrock, and in a mound of stone, for cor. secs. 11-12-13 and 14, with brass cap marked

T38S | R24E

S11 | S12

S14 | S13

1919

Subdivision of T. 38 S., R. 24 E.

Chains	
	from which
	A cedar, 8 ins.diam.,bears N. 45°E., 50 lks.dist., marked T38S R24E S12 BT
	A cedar, 10 ins.diam.,bears S.51½°E., 102 lks.dist., marked T38S R24E S13 BT
	A cedar, 8 ins.diam.,bears S.26°W., 39 lks.dist., marked T38S R24E S14 BT
	A cedar, 12 ins.diam.,bears N.81¾°W., 103 lks.dist., marked T38S R24E S11 BT
	Land, rolling and low broken benches, having an easterly exposure and drainage.
	Soil, gravelly, clay and stony.
	Timber, scattering cedar, on N. 20 chs.
	Undergrowth, short greasewood, sagebrush and shadscale.
	Good grazing land.
	East, on random line, bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect E. bdy. of tp., 5 lks. S. of cor. of secs. 7-12-13 and 18, heretofore described.
	Thence,
	S. 89°58' W., on true line, bet. secs. 12 and 13.
	Over low rolling and broken land, through short undergrowth.
18.00	Leave rolling land, enter greasewood flat, bears NW. and SE.
39.96	In W. edge of the flat, bears NE. and S.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼. S12 / S13 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
45.65	Top of raise, 50 ft. above ¼ cor., and enter scattering timber, bearing NE. and SW.; desc. 60 ft.
56.40	Ravine, course NE.; asc. 75 ft. to
64.00	Top of ascent, bears NE. and S.80°W.; thence along bench.
79.92	The cor. of secs. 11-12-13 and 14.
	Land, rolling and broken benches, and a greasewood flat,

Subdivision of T. 38 S., R. 24 E.

Chains	
	all having an easterly exposure and drainage into Montezuma Canyon.
	Soil, clay, gravelly and stony; on clay subsoil.
	Timber, scattering cedar, on W. 35 chs.
	Undergrowth, considerable short greasewood, sagebrush and shadscale; dense high greasewoods in flat.
	Good grazing land.

	N. 0°01' W., bet. secs. 11 and 12.
	Over rolling and broken bench lands, through scattering timber and short undergrowth; gradually asc. S. slope.
14.00	Top of ascent on bench, 80 ft. above sec. cor., bears E. and W.; thence over rolling top of bench.
32.60	Leave top, begin descent over N. slope, bears E. and W.
40.00	On N. slope, 100 ft. below bench.
	Set an iron post, 3 ft. long, 1 in. 6 ins. in ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S11 | S12 1919
	and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Trees within limits but too scrubby to mark.
43.00	Cross head of small draw, 20 ft. deep, course NE.
51.30	Enter level bottom of Cave Canyon, 90 ft. below ¼ cor., bears N.70°W. and S.70°E.
54.50	Road, bears N.60°W. and S.60°E.
63.10	Wash, 75 lks. wide, 12 ft. deep, in canyon, course S.70°E.
69.25	Leave canyon bottom, re-enter broken bench land, bears N.70°W. and S.70°E.; asc. gradually S. slope, 60 ft. to
80.00	On a slight S. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in ground to bedrock, and in a mound of stone, 2 ft. base, for cor. of secs. 1-2-11 and 12, with brass cap marked

Subdivision of T. 38 S., R. 24 E.

Chains	
	T38S | R24E S2 | S1 S11 | S12 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable trees within limits.
	Land, rolling and broken benches, having an easterly slopes and drainage.
	Soil, gravelly, clay and rocky; sandtone formation.
	Timber, scattering cedar, on mile.
	Undergrowth, scattering to medium dense growth of sage-brush, and greasewood.
	Good grazing land.

	N. 89°58' E., on random line, bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
79.86	Intersect E. bdy. of tp., at the cor. of secs. 1-6-7 and 12, heretofore described.
	Thence,
	S. 89°58' W., on true line, bet. secs. 1 and 12.
	Over bench land, through short scattered undergrowth.
1.70	Descend abruptly W. face of bench, 125 ft. to
4.55	Base of bench, enter level land in Montezuma Canyon, bearing NE. and SW.
21.25	Irrigation ditch, 5 lks. wide, 4 ft. deep, course SE.; enter dense greasewood, 6 ft. high, bears N. and S.
28.15	Wash, 2 chs. wide, 10 ft. deep, dry, in Montezuma Canyon, course S.20°E.
37.80	Old road, bears N. and S.
39.93	In W. edge of canyon bottom.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	S1 ¼ —— S12 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Subdivision of T. 38 S., R. 24 E.

Chains	
40.30	Leave bottom land at base of bench, bears N.20°W. and S.20°E.; asc. steep E. slope, 90 ft. to
43.00	Top of bench, bears same as base, thence over top, ascending gentle E. slope, through very scattered cedar timber, and sagebrush undergrowth.
60.00	Begin ascent over NE. slope of high rocky point, bears N. and S.
71.20	Top of ascent on N. slope of high rocky point, summit of which bears S. of line 3 chs. dist., 100 ft. above bench. desc. rocky W. slope, 135 ft. to
77.00	Base of steep descent, bears N. and S.; thence over bench.
79.86	The cor. of secs. 1-2-11 and 12.
	Land, rolling and broken bench, and level bottom land in Montezuma Canyon, which drains S.
	Soil, on benches is gravelly, clay and rocky; in bottom land, deep, fine clay loam.
	Timber, scattered scrub cedar, on W. 37 chs.
	Undergrowth, sagebrush, greasewood and shadscale; dense high greasewood in canyon bottom.

	North, on random line, bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
80.72	Intersect N. bdy. of tp., 14 lks. E. of cor. of secs. 1-2-35 and 36, heretofore described.
	Thence,
	S. 0°06' E., on true line, bet. secs. 1 and 2.
	Over broken bench land, through scattering timber and short undergrowth; asc. broken N. slope, 60 ft.
6.25	Top of ascent on N. edge of bench, bears NE. and NW.; thence over rolling and broken top, facing to E.
40.72	In slight depression, 40 ft. below N. edge bench, drains NE.
	Set an iron post, 3 ft. long, 1 in. dia., on exposed rock, 26 ins. in a large mound of stone, 5 ft. base, for ¼ sec. cor., with brass cap marked

Subdivision of T. 38 S., R. 24 E.

Chains	
	$\frac{1}{4}$ S2 | S1 1919
	No additional mound built, no suitable trees within limits.
52.00	Top of raise on bench, 60 ft. above $\frac{1}{4}$ cor., bears NW. and SE.; desc. gradually SE. slope.
65.00	Leave top bench, desc. steep S. slope, 135 ft. to
70.00	Base of steep descemt, bears W. and SE.; desc. gradually.
80.72	The cor. of secs. 1-2-11 and 12, 205 ft. below the 52 ch. point.
	Land, rolling and broken bench, having a general slope and drainage to E., into Montezuma Canyon.
	Soil, clay, mixed with gravel and rocks; on clay and rock subsoil.
	Timber, scattering scrub cedar, on mile.
	Undergrowth, considerable sagebrush and greasewood.
	Grazing land.

	From the cor. of secs. 2-3-34 and 35 on S. bdy. of tp., which is an iron post, 3 ft. long, extending 12 ins. above ground, 3 ins. dia., marked and witnessed as described by the surveyor general.
	Thence,
	N. 0°01' W., bet. secs. 34 and 35.
	Over rolling and broken land, through medium dense timber, and short undergrowth; asc. gradually over broken S. slope.
2.80	Wash, 20 lks. wide, 3 ft. deep, in draw, at bend, from N.30°E. to S.10°E.
35.50	Rimrock, 25 ft. high, and top of mesa, bearing S.70°E. and S.20°W.; thence over rolling top, SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 38 S., R. 24 E.

Chains	
	$\frac{1}{4}$ S34 | S35 1919 from which
	A cedar, 5 ins.diam., bears N.33$\frac{3}{4}$°E., 93 lks. dist.,marked $\frac{1}{4}$ S35 BT A cedar, 8 ins.diam., bears S.48$\frac{1}{2}$°W., 47 lks. dist.,marked $\frac{1}{4}$ S34 BT
65.00	Leave timber, bears NW. and E.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor of secs. 26-27-34 and 35, with brass cap marked
	T38S R24E S27 | S26 S34 | S35 1919
	dig pits, 18x18x12 ins., NE., SE., SW., and NW., of post, 3 ft. dist.
	Land, rolling and broken mesa, having a general S. and SW. exposure and drainage.
	Soil, loose sandy loam, with gravel and some scattered clay and outcrops of sandstone.
	Timber, medium dense scrub cedar, few pinon, on S. 65 chs.
	Undergrowth, considerable sagebrush and greasewood.
	Grazing land.

	S. 89°53' E., on random line, bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect N. and S. line, 7 lks. S. of cor. secs. 25-26-35 and 36; thence
	N. 89°56'W., on true line bet. secs. 26 and 35.
	Over rolling top of mesa, slight W. slope, through dense timber, short scattered undergrowth.
24.10	Bottom of wide, shallow swale, 45 ft. below sec. cor., drains S.; thence over slight SE. and S. exposures.
26.00	Leave dense, enter very scattered timber, bears N. and SW.
39.98	On a slight SE. slope, 40 ft. above swale.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

Subdivision of T. 38 S., R. 24 E.

Chains	
	$\frac{1}{4}$ S26 / S35 1919 from which
	A cedar, 10 ins.diam.,bears S.68°W., 306 lks. dist., marked $\frac{1}{4}$ S35 BT
	and dig pits, 18x18x12 ins., W. and E. of post, 3 ft. dist. No tree within limits in sec. 26.
63.50	Swale, drains S.
72.00	Leave all timber, bears NE. and SW.
79.96	The cor. of secs. 26-27-34 and 35.
	Land, rolling top of mesa, having a general S. exposure and drainage.
	Soil, loose sandy loam, mixed with some gravel and rocks in the eastern portion; subsoil of clay and rocks.
	Timber, scrub cedar and few pinon, dense on E. 26 chs., scattered on next 46 chs.
	Undergrowth, considerable sagebrush and greasewood, dense on western and scattered on eastern portion of mile.
	Grazing land.

	N. 0°01' W., bet. secs. 26 and 27.
	Over rolling top of mesa, slight S. slope, through dense sagebrush undergrowth.
40.00	On slight S. slope, 30 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia.,26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S27 | S26 1919
	dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
66.00	Top of raise on mesa, and enter scattered timber, bears E. and W.; slight descent N. slope.
74.80	A white sandstone rim ledge, 15 ft. high, leave top of mesa, bearing N.70°E. and N.80°W.; desc. steeper N. slope, 45 ft. to
80.00	On a NW. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in

Subdivision of T. 38 S., R. 24 E.

Chains

ground, for cor. of secs. 22-23-26 and 27, with brass cap marked

T38S	R24E
S22	S23
S27	S26

1919 from which

A cedar, 8 ins.diam.,bears N.31¼°E., 70 lks. dist.,marked T38S R24E S23 BT
A cedar, 8 ins.diam.,bears S.48¾°E., 81 lks. dist.,marked T38S R24E S26 BT
A cedar, 9 ins.diam.,bears S.78°W., 81 lks. dist.,marked T38S R24E S27 BT
A cedar, 10 ins.diam.,bears N.48¾°W., 93 lks. dist.,marked T38S R24E S22 BT

Land, rolling top of mesa; southern exposure on the S. 66 chs.; and to north on the remainder.

Soil, deep, loose sandy loam, rocky at N. end of mile; on clay subsoil.

Undergrowth, dense growth of black sagebrush, 2 to 3 ft. high.

Timber, scattering scrub cedar, on N. 14 chs.

Grazing land.

S. 89°56' E., on random line, bet. secs. 23 and 26.

40.00 Set temp. ¼ sec. cor.

80.02 Intersect the cor. of secs. 23-24-25 and 26.

Thence,

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

Over rolling and broken land, lying under mesa, facing to N. and NE., through very scattered scrub timber, and sparse growth of undergrowth.

31.00 Rim of mesa, 280 ft. above sec. cor., bearing N.E. and SE. thence over rolling top.

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

¼ S23 / S26

1919 from which

A cedar, 8 ins.diam.,bears S.36½°E., 79 lks. dist.,marked ¼ S26 BT
A cedar, 18 ins.diam.,bears N.30°E., 43 lks. dist., marked ¼ S23 BT

Subdivision of T. 38 S., R. 24 E.

Chains	
62.50	Leave top of mesa, bearing NE. and SW.; desc. NW. slope.
80.02	The cor. of secs. 22-23-26 and 27, 100 ft. below mesa.
	Land, broken and rolling slopes of mesa, and rolling top of mesa; general N. to NE. slope and drainage.
	Soil, clay, mixed with rock and gravel; some sandy loam on mesa top; surface strewn with boulders; sandstone and trachyte formations.
	Timber, scattering scrub cedar, on mile.
	Undergrowth, scattered, short sagebrush, greasewood and shadscale. Grazing land.

	N. 0°01' W., bet. secs. 22 and 23.
	Over broken and rough land, facing to NE. and E., through considerable scrub timber, short, scattered undergrowth; descending N. to NE. slopes.
26.35	Bottom of deep draw, 170 ft. below sec. cor., course NE.; asc. 65 ft. to
34.70	Top of small spur, projects NE.; desc. along E. slope.
40.00	40 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S22 | S23 1919
	from which
	A cedar, 10 ins.diam., bears N.55°E., 196 lks. dist., marked ¼ S23 BT A cedar, 8 ins.diam., bears N.15° W., 89 lks. dist., marked ¼ S22 BT
51.60	Bottom of draw, course E., and base of descent 60 ft. below ¼ cor.; asc. rough S. and SE. slopes over huge boulders, 275 ft. to
76.80	Top of sandstone rim ledge, 60 ft. high, bears E. and W.; thence over top of high mesa.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., on bedrock, 24 ins. in a large mound of stone, for cor. of secs. 14-15-22 and 23, with brass cap marked

Subdivision of T. 38 S., R. 24 E.

Chains	
	T38S | R24E S15 | S14 S22 | S23 1919 from which
	A pinon, 10 ins.diam.,bears N.09°E., 240 lks. dist.,marked T38S R24E S14 BT A cedar, 10 ins.diam.,bears S.75½°E., 308 lks. dist.,marked T38S R24E S23 BT A cedar, 10 ins.diam.,bears S.68½°W., 120 lks. dist.,marked T38S R24E S22 BT A pinon, 10 ins.diam.,bears N.31°W., 360 lks. dist.,marked T38S R24E S15 BT
	Land, rough and broken, facing and draining E. into Montezuma Canyon.
	Soil, rocky and heavy clay, mixed with some gravel; surface strewn with large boulders; sandstone and trachyte formation.
	Timber, scattered scrub cedar, few pinon, on mile.
	Undergrowth, scattered sagebrush, greasewood and shadscale.
	Poor grazing land.

	S. 89°56'E., on random line, bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.24	Intersect N. and S. line, 9 lks. S. of cor. of secs. 13-14-23 and 24; thence
	West, on true line, bet. secs. 14 and 23.
	Over rolling and broken land, facing to SE. and E., through short scattered undergrowth.
18.40	Top of raise, 55 ft. above sec. cor., bears NW. and SE.; descend, 70 ft. to
40.12	Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in ground to underlying rock, and in a mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S14 / S23 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
46.60	Wash, 20 lks. wide, 2 ft. deep, in draw, 80 lks. below ¼ cor., course SE.; asc. rough E. slope, 310 ft.

Subdivision of T.38 S., R. 24 E.

Chains	
60.00	Enter scattering timber, bears N. and SW.
73.25	Top of ascent, bears N. and SW.
80.24	The cor. of secs. 14-15-22 and 23.
	Land, rough and broken, and rolling, having a general slope and drainage to SE. and E.
	Soil, clay, rocky and gravelly; clay and rock subsoil; western portion of mile, surface strewn with boulders.
	Timber, scattering cedar and pinon, W. 20 chs.
	Undergrowth, scattered sagebrush and greasewood.
	Fair grazing land.

	N. 0°01' W., bet. secs. 14 and 15.
	Over rough broken land, through scattering timber and undergrowth; along top to
4.65	Leave top, bearing SE. and W.; desc. rocky N. slope, 225 ft. to
26.00	Wash, 30 lks. wide, 6 ft. deep, in draw, course E.; asc.
29.85	Top of low spur, 55 ft. above wash, projects E.; leave all timber, bears E. and W.; desc. 45 ft.
36.30	Wash, 30 lks. wide, 3 ft. deep, in wide swale, course E. asc. 25 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to underlying rock, and in a mound of stone, for ¼ sec. cor., with brass cap marked

¼

S15 | S14

1919

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

Ascend S. slope of high butte, 245 ft. to

80.00 On steep SE. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 10-11-14 and 15, with brass cap marked

T38S | R24E
S10 | S11
S15 | S14

1919

Chains	
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rough and broken; sloping NE. and SE.; drainage E.
	Soil, blue clay and rocky, mixed with gravel and some sandy loam; surface covered with trachyte boulders.
	Timber, scattering cedar, on S. 30 chs.; few scattered trees on the remainder.
	Undergrowth, short scattered greasewood, shadscale and sagebrush.
	Fair grazing land.

	East, on random line, bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect the cor. of secs. 11-12-13 and 14.
	Thence,
	West, on true line, bet. secs. 11 and 14.
	Over rough, broken land, facing E., through scattering timber and short undergrowth; ascending towards high knoll.
40.06	On NE. slope, 200 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on underlying rock, for ¼ sec. cor., with brass cap marked
	¼ S11 / S14 1919
	No suitable trees within limits, and no additional mound built.
	Cor. is situated 3 chs. N. of top of high, rocky sandstone butte.
42.60	Top of ascent on N. slope, 60 ft. above ¼ cor., bears N. and S.; desc. W. slope.
52.00	Leave timber, bears N. and S.
59.70	Wash, 10 lks. wide, 2 ft. deep, in swale, 140 ft. below top of ascent, course SE.; asc. E. slope, 170 ft. to
80.12	The cor. of secs. 10-11-14 and 15.

Subdivision of T. 38 S., R. 24 E.

Chains	
	Land, rough and broken; slopes of high sandstone buttes. Soil, rocky and blue clay, with gravel and sandy loam; surface strewn with large trachyte boulders. Timber, scattered scrub cedar, on E. 52 chs. Undergrowth, scattered greasewood, shadscale and sagebrush. Grazing land.
	N. 0°01' W., bet. secs. 10 and 11. Descending over NE. slope of high sandstone butte, through some scattered timber, and short undergrowth.
28.56	Road, bears NW. and SE., at base of descent from butte, 235 ft. below cor., bears E. and W.; thence over rolling and low broken land, facing to NE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S10 | S11 1919 from which A cedar, 14 ins.diam., bears N.71¾°E., 67 lks. dist., marked ¼ S11 BT A cedar, 8 ins.diam., bears S.71¼°W., 47 lks. dist., marked ¼ S10 BT
50.35	Wash, 40 lks. wide, 3 ft. deep, in bottom of Cave Canyon, 65 ft. below ¼ cor., course SE.
60.50	Re-cross same, course SW.; thence over broken land, along W. side of wash.
80.00	On a gentle NW. slope, 130 ft. above canyon. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 2-3-10 and 11, with brass cap marked T38S | R24E S3 | S2 S10 | S11 1919 from which A cedar, 12 ins.diam., bears N.19½°E., 90 lks.dist., marked T38S R24E S2 BT A cedar, 14 ins.diam., bears S.25¾°E., 98 lks.dist., marked T38S R24E S11 BT A cedar, 14 ins.diam., bears S.49°W., 121 lks.dist., marked T38S R24E S10 BT A cedar, 10 ins.diam., bears N.51¾°W., 47 lks.dist., marked T38S R24E S3 BT

Subdivision of T. 38 S., R. 24 E.

Chains	
	Land, rough, broken and rolling; sloping to NE. on the S. 50.35 chs. and to SE. on remainder.
	Soil, rocky, gravelly, and clay; surface strewn with boulders on greater portion of mile.
	Timber, scattering scrub cedar, on mile.
	Undergrowth, scattered shadscale, sagebrush and greasewood.
	Grazing land.

	East, on random line, bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line, 2 lks. N. of cor. secs. 1-2-11 and 12.
	Thence,
	N. 89°59' W., on true line, bet. secs. 2 and 11.
	Over broken land, sandstone formation, sloping to the S., through medium dense cedar timber, short scattered undergrowth.
8.75	Short gully, 1½ chs. wide, 30 ft. deep, 50 ft. below sec. cor., course S., asc. steep, rocky E. slope, 240 ft. to
19.90	Top of ascent on E. rim of bench, bearing N.30°E., and SW.; thence over nearly level top, through dense timber.
40.01	Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in ground to underlying rock, and in a mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S2 / S11 1919 from which
	A cedar, 12 ins. diam., bears S.15½°W., 42 lks. dist., marked ¼ S11 BT
	A cedar, 14 ins. diam., bears N.69°E., 66 lks. dist., marked ¼ S2 BT
63.50	Leave top of bench, bears N. and S.20°W.; desc. W. slope.
69.55	Wash, 40 lks. wide, 4 ft. deep, in Cave Canyon, 105 ft. below bench, course S.30°W., from NW.; asc. steep E. slope; over huge boulders; 100 ft. to
74.90	Top of ascent, bears N. and S.; desc. gradually 20 ft. to
80.02	The cor. of secs. 2-3-10 and 11.

Subdivision of T. 38 S., R. 24 E.

Chains	
	Land, broken slopes, and gentle rolling top of bench.
	Soil, clay, rocky and sandy loam; on clay and sandstone bedrock.
	Timber, medium dense to dense scrub cedar, few pinon, on mile.
	Undergrowth, considerable sagebrush, shadscale and greasewood.
	Fair grazing land.

	N. 0°06' W., on random line, bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
80.70	Intersect N. bdy. of tp., 2 lks. W. of cor. of secs. 2-3-34 and 35, heretofore described.
	Thence,
	S. 0°05' E., on true line, bet. secs. 2 and 3.
	Over rolling top of mesa, through dense timber and scattering undergrowth.
6.80	Leave top and dense timber, enter scattered timber, bearing SE. and W.; desc. rough S. slope, 225 ft. to
40.70	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S3 | S2 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable trees within limits.
55.00	Wash, 40 lks. wide, 3 ft. deep, in bottom of Cave Canyon, 230 ft. below ¼ cor., course SE.; thence over low broken land.
80.70	The cor. of secs. 2-3-10 and 11.
	Land, N. 6.80 chs. top of high mesa; remainder broken slopes; drainage S.
	Soil, rocky, gravelly and clay; surface strewn with boulders; sandstone and trachyte formation.

Subdivision of T. 38 S., R. 24 E.

Chains

Timber, scrub cedar; dense on N. 6.80 chs., and scattered on the remainder of mile.

Undergrowth, short, scattered sagebrush, shadscale and greasewood.

From the cor. of secs. 3-4-33 and 34 on S. bdy. of tp., which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.

Thence

N. 0°02' W., bet. secs. 33 and 34.

Over broken land, through scattered timber and short undergrowth; ascend S. slope, over boulders.

6.40 Sandstone rim-ledge, 10 ft. high, bears NE. and SW.

12.10 Top of ascent, 170 ft. above sec. cor., bears NW. and SE.; thence over rolling mesa, facing SW.

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

¼

S33 | S34

1919

from which

A cedar, 6 ins.diam.,bears S.79°E., 43 lks. dist.,marked ¼ S34 BT
A cedar, 6 ins.diam.,bears N.88½°W., 60 lks. dist.,marked ¼ S33 BT

55.00 Top of ascent on mesa, 45 ft. above ¼ cor., bears NE. and SW.; desc. gradually along NW. slope, 90 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in ground to bedrock, and in a mound of stone, for cor. of sec. 27-28-33 and 34, with brass cap marked

T38S	R24E
S28	S27
S33	S34

1919

from which

A cedar, 20 ins.diam.,bears N.37¾°E., 22 lks. dist.,marked T38S R24E S27 BT
A cedar, 10 ins.diam.,bears S.9½°E., 111 lks. dist.,marked T38S R24E S34 BT
A cedar, 14 ins.diam.,bears S.62°W., 127 lks. dist.,marked T38S R24E S33 BT
A cedar, 8 ins.diam.,bears N.71¼°W., 50 lks. dist.,marked T38S R24E S28 BT

Subdivision of T. 38 S., R. 24 E.

Chains	
	Land, rolling and broken mesa; general S. and SW. slopes and drainage into Alkali Canyon.
	Soil, light, shallow sandy loam on sandstone bedrock; sandstone outcrops in form of bedrock and ledges.
	Timber, scattered scrub cedar and pinon, on mile.
	Undergrowth, sagebrush. Fair grazing land.
	S. 89°53' E., on random line, bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
79.84	Intersect N. and S. line, 16 lks. S. of cor. secs. 26-27-34 and 35.
	Thence,
	West, on true line, bet. secs. 27 and 34.
	Over rolling top of mesa, facing to SE., through dense sagebrush undergrowth.
14.35	Top of raise on mesa, bears N. and S.; thence over SW. slope; enter scattering timber, bears NW. and SE.
31.85	Wash, 20 lks. wide, 4 ft. deep, in bottom of draw, 120 ft. below top of raise, course S.30°W.; asc. 70 ft. to
37.65	Top of raise, bears N.20°E. and S.20°W.; desc.
39.92	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S27 / S34 1919 from which
	A cedar, 16 ins. diam., bears N.5½°W., 58 lks. dist., marked ¼ S27 BT
	A cedar, 12 ins. diam., bears S.20½°E., 47 lks. dist., marked ¼ S34 BT
44.45	Bottom of draw, 20 ft. below ¼ cor., course SW.; asc.
63.00	Top of ascent on mesa, 65 ft. above draw, bears N. and S. desc. rocky W. slope, 130 ft. to
79.84	The cor. of secs. 27-28-33 and 34.
	Land, rolling and broken mesa, cut by several draws, putting to SW into Alkali Canyon.
	Soil, loose, shallow sandy loam, on sandstone bedrock and clay; some rocky and gravelly.

Subdivision of T. 38 S., R. 24 E.

Chains

Timber, scattering scrub cedar, on W. 65½ chs.

Undergrowth, dense to medium growth of black sagebrush.

Grazing land.

N. 0°02' W., bet. secs. 27 and 28.

Over broken mesa land, through scattering timber, considerable undergrowth; along rocky W. slope.

40.00 On W. slope, 40 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked

¼

S28 | S27

1919

raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. No suitable trees within limits.

42.30 Bottom of draw, 15 ft. below ¼ cor., course SW.; asc. gradually along SE. slope, 175 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in ground to bedrock, and in a mound of stone, for cor. of secs. 21-22-27 and 28, with brass cap marked

T38S	R24E
S21	S22
S28	S27

1919 from which

A cedar, 8 ins.diam.,bears N.7½°E., 71 lks. dist.,marked T38S R24E S22 BT
A cedar, 10 ins.diam.,bears S.22½°E., 43 lks. dist.,marked T38S R24S S27 BT
A cedar, 10 ins.diam.,bears S.32¼°W., 20 lks. dist.,marked T38S R24E S28 BT
A cedar, 6 ins.diam.,bears N.22¾°W., 73 lks. dist.,marked T38S R24E S21 BT

Land, broken mesa; exposure to W. on S. 42.30 chs., and to SE. on remainder; drainage to SW.

Soil, light sandy loam, rocky and some clay; sandstone formation.

Timber, scattering cedar, on mile.

Undergrowth, considerable sagebrush and shadscale.

Fair grazing land.

Subdivision of T. 38 S., R.24 E.

Chains	
	East, on random line, bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line, 7 lks. S. of cor. secs. 22-23-26 and 27; thence
	S. 89°57' W., on true line, bet. secs. 22 and 27.
	Over broken land, through medium dense timber and undergrowth; desc. gradually along N. slope, 25 ft. to
12.00	Base of descent on N. slope, bears N. and S.; drains N.; thence gradually asc. along N. and NE. slopes, 160 ft.
36.80	Top of ascent on mesa, bears NE. and SE; thence over rolling top.
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked
	¼ S22 / S27 1919 from which
	A cedar, 8 ins.diam.,bears N.41¾°W., 52 lks. dist.,marked ¼ S22 BT
	A cedar, 10 ins.diam.,bears S.71½°E., 82 lks. dist.,marked ¼ S27 BT
40.50	Leave top, bears N. and SE.; desc. W. slope, rocky and low broken ledges, 160 ft.
60.85	Bottom of draw, course SW.; asc. SE. slope, 125 ft. to
79.92	The cor. of secs. 21-22-27 and 28.
	Land, broken and rolling mesa.
	Soil, sandy loam, rocky and clay; sandstone formation.
	Timber, medium dense to scattering cedar.
	Undergrowth, considerable sagebrush.
	Grazing land.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over broken mesa land, through medium dense timber, and undergrowth; asc. rocky S. slope.
17.45	20 ft. rim ledge, bears E. and W.
32.00	Top of ascent, 95 ft. above sec. cor., bears E. and W.; thence over rolling top of mesa.

Subdivision of T. 38 S., R. 24 E.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S21 | S22 1919 from which A cedar, 20 ins.diam.,bears S.81°E., 69 lks. dist.,marked ¼ S22 BT A cedar, 24 ins.diam.,bears N.55½°W., 120 lks. dist.,marked ¼ S21 BT
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 15-16-21 and 22, with brass cap marked T38S | R24E S16 | S15 S21 | S22 1919 from which A cedar, 10 ins. diam.,bears N.56°E., 210 lks. dist.,marked T38S R24E S15 BT A cedar, 8 ins. diam.,bears S.37½°E., 115 lks. dist.,marked T38S R24E S22 BT A cedar, 10 ins.diam.,bears S.51¾°W., 152 lks. dist.,marked T38S R24E S21 BT A cedar, 8 ins.diam.,bears N.39¾°W., 150 lks. dist.,marked T38S R24E S16 BT Land, on S. 32 chs. is a S. slope; remainder is rolling top of mesa. Soil, light sandy loam, on sandstone bedrock and clay; rocky on slopes. Timber, medium dense to scattering scrub cedar. Undergrowth, considerable sagebrush and greasewood. Gazing land.

	N. 89°57' E., on random line, bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line, 12 lks. S. of cor. of secs. 14-15-22 and 23; thence
	S. 89°52' W., on true line, bet. secs. 15 and 22. Over broken mesa land, through scattering timber and undergrowth.
2.00	Descend SW. slope over boulders, 125 ft.
25.75	Bottom of hollow, course SE.; asc. SE. slope, 100 ft. to

Subdivision of T.38 S., R.24 E.

Chains	
39.96	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S15 / S22 1919 raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. No suitable trees within limits. Cor. stands on SE. slope among boulders.
47.00	Top of ascent from hollow, 60 ft. above ¼ cor., bears N. and S.; thence over rolling mesa, through heavier timber.
79.92	The cor. of secs. 15-16-21 and 22. Land, broken mesa slopes, and rolling top; drainage SE. Soil, light, shallow sandy loam on bedrock and clay; and sandstone outcrops; on slopes, surface is strewn with large boulders. Timber, scattering to medium dense scrub cedar. Undergrowth, considerable sagebrush and greasewood. Fair grazing land.
	--- N. 0°02' W., bet. secs. 15 and 16. Over rolling mesa top, through scattered scrub timber, and dense undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked S16 ¼ S15 / 1919 from which A cedar, 8 ins.diam., bears S.85°E., 66 lks. dist., marked ¼ S15 BT A cedar, 8 ins.diam., bears N.87½°W., 45 lks. dist., marked ¼ S16 BT
49.50	Leave top, begin descent over N. slope, bears E. and W.
58.60	Bottom of hollow, 150 ft. deep, course E.; asc.
71.10	Top of ascent on mesa, bears E. and W.; thence over rolling top.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 9-10-15 and 16, with brass

Subdivision of T. 38 S., R. 24 E.

Chains

cap marked

T38S	R24E
S9	S10
S16	S15

1919 from which

A cedar, 8 ins.diam.,bears N.65°E., 47 lks. dist.,marked T38S R24E S10 BT
A cedar, 14 ins.diam.,bears S.53°E., 120 lks. dist.,marked T38S R24E S15 BT
A cedar, 10 ins.diam.,bears S.73°W., 68 lks.dist., marked T38S R24E S16 BT
A cedar, 8 ins.diam.,bears N.22½°W., 40 lks.dist., marked T38S R24E S9 BT

Land, rolling and broken mesa; drainage to E.

Soil, light, loose, shallow sandy loam; on bedrock and clay subsoils.

Timber, scattered scrub cedar, few pinon, on mile.

Undergrowth, a medium growth of sagebrush and greasewood.

Fair grazing land.

N. 89°52' E., on random line, bet. secs. 10 and 15.

40.00 Set temp. ¼ sec. cor.

79.90 Intersect N. and S. line, 16 lks. N. of cor. secs. 10-11-14 and 15; thence

S. 89°59' W., on true line, bet. secs. 10 and 15.

Over rough, broken, rocky land, through scattered timber, and short undergrowth; along S. slope to

6.50 Top of ascent on S. slope of high knoll, 15 ft. above sec. cor., ascends to N.; desc. steep SE. slope.

9.80 Top of 60 ft. rim ledges bears N. and S.

33 .10 Wash, 10 lks. wide, 2 ft. deep, in hollow, 315 ft. below the 6.50 ch. point, course SE.; thence across hollow bottom.

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

¼ S10 / S15
1919

dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.

No trees within limits, or rocks available.

Subdivision of T. 38 S., R. 24 E.

Chains	
55.00	Begin ascent of E. slope, over boulders.
76.50	Top of ascent on mesa, 225 ft. above ¼ cor., bears N. and S.; thence over rolling top.
79.90	The cor. of secs. 9-10-15 and 16.
	Land, rough and broken, on E. 76.50 chs.; rolling mesa on the remainder of mile.
	Soil, rocky, clay, with sandy loam; surface covered with large sandstone boulders.
	Timber, very scattered scrub cedar.
	Undergrowth, considerable sagebrush and greasewood.
	Fair grazing land.

	N. 0°02' W., bet. secs. 9 and 10.
	Over rolling mesa, through scattered timber, and undergrowth; gently asc. 40 ft. to
16.00	Top of raise, bears E. and W.; desc. gradually.
22.30	Top of 60 ft. sandstone ledge, and rim of mesa, bears NW. and SE.; desc. abrupt N. slope.
29.00	Base of steep descent, bears NW. and SE.; desc. gradually.
40.00	175 ft. below rim of mesa.
	Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in ground, to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S9 | S10 1919 from which
	A cedar, 12 ins.diam.,bears S.65°E., 11 lks. dist.,marked ¼ S10 BT A cedar, 8 ins.diam.,bears N.85°W., 88 lks. dist.,marked ¼ S9 BT
42.00	Wash, 20 lks. wide, 3 ft. deep, in bottom of hollow, 15 ft. below ¼ cor., course E.; asc. S. slope, over boulders.
63.00	Top of ascent on mesa, 255 ft. above wash, bears NE. and SW.; thence over mesa, slightly descending.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 3-4-9 and 10, with brass

Subdivision of T. 38 S., R. 24 E.

Chains	
	cap marked

T38S	R24E
S4	S3
S9	S10

1919 from which

A cedar, 10 ins.diam.,bears N.16°E., 45 lks. dist.,marked T38S R24E S3 BT
A cedar, 12 ins.diam.,bears S.36¼°E., 145 lks. dist.,marked T38S R24E S10 BT
A cedar, 16 ins.diam.,bears S.76¾°W., 70 lks. dist.,marked T38S R24E S9 BT
A cedar, 12 ins.diam.,bears N.54¼°W., 116 lks. dist.,marked T38S R24E S4 BT

Land, rolling and broken mesa; drainage to E.

Soil, light, shallow sandy loam, rocky and clay; outcrops of sandstone bedrock, surface on slopes, covered with large boulders.

Timber, scattered scrub cedar.

Undergrowth, sagebrush and greasewood.

Fair grazing land.

N. 89°59' E., on random line, bet. secs. 3 and 10.

40.00 Set temp. ¼ sec. cor.

79.94 Intersect N. and S. line, 9 lks. N. of cor. secs. 2-3-10 and 11; thence

N. 89°57' W., on true line, bet. secs. 3 and 10.

Over low rolling and broken land, facing to SE., through scattering timber and undergrowth; asc. gradually.

30.00 Leave timber, bears N. and S.

32.70 Top of raise, 115 ft. above sec. cor., bears N. and S.

39.97 Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked

¼ S3 / S10
1919

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

43.10 Road, bears NW. and SE.

45.90 Wash, 15 lks. wide, 3 ft. deep, course SE.; begin ascent of E. slope over sandstone boulders.

Subdivision of T. 38 S., R. 24 E.

Chains	
56.00	Enter scattering timber, bears N. and S.
74.85	Top of ascent and rim of mesa, leave boulders, bearing NW. and S.; thence over rolling top.
79.94	The cor. of secs. 3-4-9 and 10.
	Land, rolling and broken, general SE. and E. slopes.
	Soil, gravelly, light sandy loam, clay and rocky.
	Timber, scattering scrub cedar, on E. 30 chs. and W.
24	24 chs.
	Undergrowth, scattered sagebrush and greasewood.
	Fair grazing land.
	N. 0°05' W., on random line, bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
80.58	Intersect N. bdy. of tp., at the cor. of secs. 3-4-33 and 34, heretofore described; thence
	S. 0°05' E., on true line, bet. secs. 3 and 4.
	Over rolling and low broken land, sloping to E., through short undergrowth.
24.00	Enter scattering scrub cedar, bears NW. and SE.
40.58	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S4 | S3

1919 from which

A cedar, 10 ins.diam., bears N.56¼°E., 22 lks.dist., marked ¼ S3 BT

A cedar, 12 ins.diam., bears N.89¼°W., 19 lks.dist., marked ¼ S4 BT

	Ascend gradually along nearly E. slope.
48.30	Top of ascent 50 ft. above ¼ cor., bears NW. and SE.
50.30	Road, bears NW. and SE.
80.58	The cor. of secs. 3-4-9 and 10.
	Land, rolling and low broken, having a general E. exposure.
	Soil, light sandy and gravelly, with scattered rock; surface covered with boulders on portions of mile.
	Timber, scattered scrub cedar, with considerable dead timber, on portion of mile.
	Undergrowth, short scattered sagebrush. Grazing land.

Subdivision of T. 38 S., R. 24 E.

Chains	
	From the cor. of secs. 4-5-32 and 33 on S. bdy. of tp., which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and withessed as described by the surveyor general.
	Thence,
	N. 0°03' W.; bet. secs. 32 and 33.
	Over broken land, through scattered scrub timber, and sparse undergrowth; asc. steep rocky slope over sandstone ledges, 55 ft. to
5.75	Top of ascent on E. slope; thence along E. slope to
16.00	Begin gradually descending NE. slope.
33.00	Leave timber, bears NW. and SE.
38.00	Base of descent, 185 ft. below the 16 ch. point, bears NW. and SE.; thence across canyon bottom.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S32 | S33

1919

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

45.10	Wash, 2 chs. wide, 6 ft. deep, in bottom of Alkali Canyon, course SE.; asc. gradually along SW. slope.
80.00	ON SW. slope; 75 ft. above canyon.
	Set an iron post, 3 ft. long, 2 ins. dia., 20 ins. in ground to bedrock, and in a mound of stone, for cor. secs. 28-29-32 and 33, with brass cap marked

T38S	R24E
S29	S28
S32	S33

1919

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

Land, broken slopes of Alkali Canyon, which drains SE.

Soil, rocky in form of sandstone ledges and boulders, mixed with light sandy and clay loam; on sandstone bedrock.

Subdivision of T.38 S., R. 24 E.

Chains	
	Timber, scattered scrub cedar, on S. 33 chs.
	Undergrowth, sparse sagebrush and greasewood.
	Fair grazing land, on portions of mile.

	S. 89°53' E., on random line, bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
79.77	Intersect N. and S. line, 23 lks. S. of cor. secs. 27-28-33 and 34; thence
	S. 89°57' W., on true line, bet. secs. 28 and 33.
	Over broken, rocky land, through scattered timber, and considerable undergrowth; descend gradually W. slope.
9.00	Desc. abruptly W. slope over sandstone ledges, 115 ft.
12.05	Bottom of canyon, course S.30°W.; abrupt ascent W. slope.
20.00	Top of abrupt ascent, 150 ft. above canyon, bears N. and S.; thence over rolling mesa.
39.88½	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S28 / S33 1919 from which
	A cedar, 8 ins.diam.,bears S.70¾°E., 28 lks. dist.,marked ¼ S33 BT
	A cedar, 6 ins.diam.,bears N.67¼°W., 35 lks. dist.,marked ¼ S28 BT
42.00	Begin descent over ledgy W. and SW. slopes; leave timber, bearing N. and S.
79.77	The cor. of secs. 28-29-32 and 33, 225 ft. below top.
	Land, broken mesa, cut by canyons, draining southerly.
	Soil, rocky, with light, shallow sandy loam, some clay; and broken sandstone ledges.
	Timber, scattering scrub cedar, on E. 42 chs.
	Undergrowth, considerable sagebrush and greasewood.
	Fair grazing land.

	N. 0°03' W., bet. secs. 28 and 29.
	Over broken, rocky land, through few scattered cedar, and short undergrowth of sagebrush and greasewood; asc. rocky SW. slope, 80 ft. to

Subdivision of T. 38 S., R. 24 E.

Chains	
8.00	Top of ascent on W. slope, bears E. and W.; desc. NW. slope, 60 ft. to
19.75	Swale, course W.; thence asc. along SW. slope, on E. side of canyon.
40.00	On SW. slope, 50 ft. above swale.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼
S29 | S28
1919

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

63.25	Top of ascent on W. slope, 190 ft. above ¼ cor., bears E. and W.; desc. along W. slope, 150 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 20-21-28 and 29, with brass cap marked

T38S | R24E
S20 | S21
S29 | S28
1919

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

Land, rough, broken, general W. slope, on E. side of canyon.

Soil, rocky in form of boulders and broken ledges, with shallow sa ndy loam, some clay; sandstone formation.

Timber, very scattered scrub cedar.

Undergrowth, scattered growth of black sagebrush and greasewood. Scattered growth of bunch grass.

Fair grazing land.

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

40.00	Set temp. ¼ sec. cor.
79.74	Intersect N. and S. line, 2 lks. N. of cor. secs. 21-22-27 and 28; thence

Subdivision of T. 38 S., R. 24 E.

Chains	
	S. 89°58' W., on true line, bet. secs. 21 and 28.
	Over broken, rocky land, through scattered timber and undergrowth; asc. along SE. slope, 35 ft. to
20.00	Top of ascent, bears N. and S.; desc. gently W. slope.
25.00	Desc. more abruptly over ledges, 120 ft. to
28.35	Bottom of gulch, course S.30°E.; asc. abruptly over ledges.
31.00	Top of ledges, 100 ft. above bottom, bears N. and S.; thence over rolling top of mesa; gently asc.
39.87	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked

$$\frac{1/4\ S21}{S28\ 1919}$$

from which

A pinon, 8 ins.diam., bears S.19½°E., 110 lks. dist., marked ¼ S28 BT
A cedar, 10 ins.diam., bears N. 68°W., 38 lks. dist., marked ¼ S21 BT

	Cor. situated in small swale, drains S.
44.00	Top of raise, bears N. and S.; desc. gradually along S. and SW. slopes.
68.65	Desc. more abruptly W. slope, over boulders and ledges.
79.74	The cor. of secs. 20-21-28 and 29, 275 ft. below the 44ch. point.
	Land, rough, broken mesa, cut by canyons; southern exposure and drainage.
	Soil, rocky in form of ledges, boulders and bedrock, and shallow sandy loam.
	Timber, scattering cedar and pinon.
	Undergrowth, considerable sagebrush and greasewood.
	Fair grazing land.

	N. 0°03' W., bet. secs. 20 and 21.
	Over broken W. slope, along E. side of canyon, through few scattered trees, and considerable short undergrowth.
17.60	Small draw, 20 ft. deep, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

Subdivision of T. 38 S., R. 24 E.

Chains

$\frac{1}{4}$

S20 | S21

1919

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

70.40 Wash, 25 lks. wide, 6 ft. deep, in bottom of Trail Canyon, course S.20°W.; thence along W. side of canyon.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 16-17-20 and 21, with brass cap marked

T38S	R24E
S17	S16
S20	S21

1919

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

Land, broken, rocky W. slope, lying on the E. side of Trail Canyon, on S. 70 chs., and E. slope on remainder of mile; Canyon drains to S. 20°W.

Soil, rocky and gravelly, with reddish clay and sandy loam; on clay and rock subsoil.

Timber, few scattered cedars on mile.

Undergrowth, considerable sagebrush and greasewood.

Fair grazing land.

N. 89°58' E., on random line, bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.68 Intersect the cor. of secs. 15-16-21 and 22.

Thence,

S. 89°58' W., on true line, bet. secs. 16 and 21.

Over rolling mesa land, through medium dense sagebrush undergrowth.

16.00 Begin gradual descent over SW. and W. slopes, 130 ft. to

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

$\frac{1}{4}$ S16 / S21

1919 from which

Subdivision of T. 38 S., R. 24 E.

Chains

A cedar, 10 ins.diam.,bears N.54°W., 34 lks. dist.,marked ¼ S16 BT
A cedar, 18 ins.diam.,bears S.3°W., 4 lks. dist.,marked ¼ S21 BT

Continue gradual descent.

71.50 Wash, 25 lks. wide, 4 ft. deep, in Trail Canyon, 135 ft. below ¼ cor., course S.30°W.; asc. 15 ft. to

79.68 The cor. of secs. 16-17-20 and 21.

Land, rolling and broken mesa; general SW. and W. slope.

Soil, loose sandy and clay loam, and rocky.

Timber, few scattered cedars, near ¼ cor.

Undergrowth, medium dense sagebrush.

Fair grazing land.

N. 0°03' W., bet. secs. 16 and 17.

Over broken mesa land, along W. side of canyon., through considerable undergrowth; asc. along E. slope, 130 ft.

23.00 Enter scattering timber, bears E. and W.

37.70 Top of ascent on E. slope, bears E. and W.; desc. 35 ft.

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

¼
S17 | S16
1919 from which

A cedar, 12 ins.diam.,bears S. 75°E., 28 lks. dist., marked ¼ S16 BT
A cedar, 6 ins.diam.,bears N. 89½°W., 43 lks. dist.,marked ¼ S17 BT

Desc. 45 ft. to

54.00 Bottom of canyon, course SE.; asc. along W. and SW. slopes, 145 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 3 ins. in ground to bedrock, and in a mound of stone, for cor. of secs. 8-9-16 and 17, with brass cap marked

T38S | R24E
S8 | S9
S17 | S16
1919 from which

A piñon, 14 ins.diam.,bears N.27¼°E., 106 lks. dist.,marked T38S R24E S9 BT

Subdivision of T. 38 S., R. 24 E.

Chains	
	A pinon, 10 ins.diam.,bears S.22¾°E., 120 lks. dist.,marked T38S R24E S16 BT A cedar, 10 ins.diam.,bears S.69¾°W., 97 lks. dist.,marked T38S R24E S17 BT A pinon, 8 ins.diam.,bears N.42¼°W., 90 lks. dist.,marked T38S R24E S8 BT
	Land, rough and broken, slopes of Trail Canyon; facing to E. and SE. on S. 54 chs., and to W. and SW. on remainder of mile.
	Soil, rocky and shallow sandy loam, some clay; sandstone formation.
	Timber, scattered to medium dense on N. 57 chs.,cedar and pinon. Undergrowth, considerable sagebrush.
	Fair grazing land.

	N. 89°58' E., on random line, bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
79.78	Intersect N. and S. line, 2 lks. S. of cor. secs. 9-10-15 and 16; thence,
	S. 89°57' W., on true line, bet. secs. 9 and 16.
	Over rolling mesa land, through medium dense timber and undergrowth.
21.70	Draw, 40 ft. deep, course SW.
39.89	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S9 / S16 1919 from which A cedar, 8 ins.diam.,bears N.52½°W., 46 lks. dist.,marked ¼ S9 BT A cedar, 12 ins.diam.,bears S.45°E., 12 lks. dist., marked ¼ S16 BT
79.78	The cor. of secs. 8-9-16 and 17.
	Land, rolling top of mesa; general slope and drainage SW.
	Soil, sandy loam and gravelly, with scattered rock and clay; sandstone formation.
	Timber, medium dense to scattering cedar and pinon, on mile.
	Undergrowth, medium dense sagebrush.
	Grazing land.

Subdivision of T. 38 S., R. 24 E.

Chains	
	N. 0°03' W., bet. secs. 8 and 9.
	Over rolling mesa land, through medium dense timber; short scattered growth of sagebrush; gently ascending.
31.15	Sandstone ledge, 30 ft. high, bears E. and W.; continue slight ascent.
40.00	150 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S8 | S9 1919 from which
	A cedar, 14 ins.diam.,bears S.59¾°E., 80 lks. dist.,marked ¼ S9 BT A cedar, 10 ins.diam.,bears S.73½°W., 89 lks. dist .,marked ¼ S8 BT
43.00	Top of raise, bears NE. and SW.; thence over slight NW. slope, desc. 30 ft. to
67.10	Wash, 20 lks. wide, 3 ft. deep, in draw, course SW.; asc. 45 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 4-5-8 and 9, with brass cap marked
	T38S S5 | R24E S4 S8 | S9 1919 from which
	A cedar, 10 ins.diam.,bears N.52½°E., 159 lks. dist.,marked T38S R24E S4 BT A pinon, 10 ins.diam.,bears S.57¼°E., 145 lks. dist.,marked T38S R24E S9 BT A cedar, 8 ins.diam.,bears S.28°W., 77 lks. dist.,marked T38S R24E S8 BT A cedar, 10 ins.diam.,bears N.50½°W., 171 lks. dist.,marked T38S R24E S5 BT
	Land, rolling top of mesa, slight SW. and NW. exposures; drainage to SW.
	Soil, shallow sandy loam, on bedrock.
	Timber, medium dense scrub cedar and pinon.
	Undergrowth scattered sagebrush, some greasewood.
	Grazing land.

Chains	
	N. 89°57' E., on random line, bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
79.78	Intersect N. and S. line, 2 lks. S. of cor. of secs. 3-4-9 and 10; thence
	S. 89°56' W., on true line, bet. secs. 4 and 9.
	Over rolling mesa, through considerable timber, and scattering undergrowth; slight general SE. exposure.
32.00	Enter more scattered timber, and heavier undergrowth, bears N. and S.
37.70	Road, bears NW. and SE.
39.89	On top of raise on mesa, 125 ft. above sec. cor., bears N. and S.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S4 / S9 1919 from which
	A cedar, 10 ins.diam.,bears N.27½°W., 210 lks. dist.,marked ¼ S4 BT
	A cedar, 8 ins. diam.,bears S.15½°W., 54 lks. dist.,marked ¼ S9 BT
	Thence over general SW. exposure.
79.78	The cor. of secs. 4-5-8 and 9.
	Land, rolling mesa.
	Soil, loose sandy loam. some scattered sandstone outcrops.
	Timber, medium dense to scattering cedar and pinon.
	Undergrowth, medium dense to scattered sagebrush.
	Fair grazing land.

	N. 0°05' W., on random line, bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
80.50	Intersect N. bdy. of tp., 28 lks. E. of cor. of secs. 4-5-32 and 33, heretofore described.
	Thence
	S. 0°17' E., on true line, bet. secs. 4 and 5.
	Over rolling mesa, general southern exposure, through medium dense timber, scattered undergrowth.

Subdivision of T. 38 S., R. 24 E.

Chains	
9.00	Leave medium dense, enter scattered timber, mostly dead, bears E. and W.; thence through heavier undergrowth.
40.50	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S5 | S4 1919
	dig pits, 18x18x12 ins., N. and S., 3 ft. dist. of post. No trees within limits.
44.10	Road, bears N.70°W. and S.70°E.
58.50	Leave scattered and dead timber, enter medium dense timber, bears E. and W.
80.50	The cor. of secs. 4-5-8 and 9, 65 ft. below ¼ sec. cor.
	Land, rolling mesa, general southern exposure.
	Soil, loose sandy loam, on clay and sandstone bedrock.
	Timber, medium dense cedar and pinon, on N. 9 chs. and S. 22 chs.; scattered with mostly dead timber on the remainder of mile.
	Undergrowth, scattered to medium dense growth of black sagebrush, 2 to 3 ft. high.
	Fair grazing land.

	From the true point for cor. of secs. 5-6-31 and 32, on S. bdy. of tp., which is N.89°53'W., 50 lks. dist., from the witness cor., an iron post, 3 ins. dia., 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. From the true cor. point, which falls in wash, course NE.; thence
	N. 0°03' W., bet. secs. 31 and 32.
	Over rolling and broken mesa land, through scattering timber and short undergrowth; asc. S. slope, 40 ft. to
13.50	Top of ascent, bears E. and W.
17.50	Draw, 60 ft. deep, course E.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

Subdivision of T. 38 S., R. 24 E.

Chains	
	$\frac{1}{4}$ S31 | S32 1919 from which
	A cedar, 14 ins.diam., bears N.42½°E., 110 lks. dist.,marked ¼ S32 BT
	A cedar, 12 ins.diam., bears S.84¼°W., 58 lks. dist.,marked ¼ S31 BT
51.00	Ascend gentle S. slope, bears NW. and SE.
60.00	Top of ascent, 80 ft. above ¼ cor., bears NW. and SE.; thence along a slight E. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in ground to bedrock, and in a mound of stone, for cor. of secs. 29-30-31 and 32, with brass cap marked
	T38S | R24E S30 | S29 S31 | S32 1919
	No trees within limits, or loose rock for additional mound.
	Land, rolling and broken mesa.
	Soil, loose sandy loam, and rocky; sandstone formation.
	Timber, scattering cedar and pinon.
	Undergrowth, considerable sagebrush, some greasewood.

	S. 89°53' E., on random line, bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
79.88	Intersect N. and S. line, 2 lks. S. of cor. secs. 28-29-32 and 33; thence
	N. 89°54' W., on true line, bet. secs. 29 and 32.
	Over rough broken land, through short undergrowth; asc.
3.00	Top of ascent, 35 ft. above cor., bears N. and S.; desc. W. slope, 90 ft. to
28.10	Wash, 50 lks. wide, 6 ft. deep, in bottom of Alkali Canyon, course SE.; asc. 15 ft. to
39.94	Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in ground to solid rock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S29 / S32 1919

Subdivision of T. 38 S. 24 E.

Chains	
	No additional mound built. No trees within limits.
	Slight ascent along bottom.
63.00	Begin steep ascent over E. slope; enter scattering timber, bearing NW. and SE.
78.80	Top of 60 ft. rim ledge, and top of ascent, 215 ft. above bottom, bears N. and SE.; thence over rolling top.
79.88	The cor. of secs. 29-30-31 and 32.
	Land, broken slopes of Alkali Canyon, and rolling mesa; E. and W. slopes; drainage SE.
	Soil, shallow sandy loam, clay, and rocky in form of boulders and broken ledges; sandstone formation.
	Timber, very scattered scrub cedar and pinon, on W. 17chs.
	Undergrowth, considerable sagebrush and greasewood.
	Fair grazing land.

	N. 89°53' W., on random line, bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
77.07	Intersect W. bdy. of tp., 9 lks. S. of cor. secs. 25-30-31 and 36, which is an iron post, 3 ins. dia., 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	Thence,
	S. 89°49' E., on true line, bet. secs. 30 and 31.
	Over rolling mesa land, through scattering timber, most of which is dead, and considerable sagebrush.
37.07	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S30 / S31 1919
	dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
	No trees within limits.
51.00	Leave scattered and dead timber, enter heavier timber, bears NW. and SE.
77.07	The cor. of secs. 29-30-31 and 32.
	Land, rolling mesa.

Subdivision of T. 38 S., R. 24 E.

Chains	
	Soil, loose sandy loam, on clay and rock subsoil.
	Timber, scattering cedar and pinon, mostly dead, on W. 51 chs; scattered to medium dense on remainder.
	Undergrowth, considerable sagebrush.
	Fair grazing land.

	N. 0°03' W., bet. secs. 29 and 30.
	Over broken land, through considerable timber and short undergrowth; along top to
0.30	Top of 60 ft. broken ledge, bears NW. and SE; desc. abruptly, 170 ft. to
11.60	Draw, course E.; asc. gradual S. slope.
40.00	On top of raise, 55 ft. above draw, bears NW. and SE. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼
S30 | S29
1919 from which

A cedar, 10 ins.diam.,bears S.71¾°E., 100 lks. dist.,marked ¼ S29 BT
A cedar, 8 ins.diam.,bears S.57¾°W., 30 lks. dist.,marked ¼ S30 BT

	Desc. NE. slope, 110 ft.
56.70	Bottom of Alkali Canyon, course SE.; asc. gradually.
70.50	Line passes between small rock cabin to west of line, and rock stable and corral to east of line, about 3 chs. dist.
80.00	On gentle SW. slope, 115 ft. above canyon. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 19-20-29 and 30, with brass cap marked

T38S	R24E
S19	S20
S30	S29

1919

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

Land, broken and rolling; drainage SE.

Subdivision of T. 38 S.,R.24 E.

Chains	
	Soil, sandy loam, rocky and clay; sandstone formation.
	Timber, scattered cedar and pinon.
	Undergrowth, considerable sagebrush and greasewood.
	Fair grazing land.

	S. 89°54' E., on random line, bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line, 5 lks. N. of cor. of secs. 20-21-28 and 29; thence
	N. 89°52' W., on true line, bet. secs. 20 and 29.
	Over broken and rolling land, through scattering timber, and short undergrowth; desc. gradually W. slope, 45 ft.
16.20	Wash, 60 lks. wide, 4 ft. deep, in Trail Canyon, course S.
	Asc. gradually along SE. and E. slope, 135 ft. to
33.00	Top of ascent on S. slope, bears N. and S.; gently desc. along S. slope.
39.97	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S20 / S29 1919 from which
	A cedar, 10 ins.diam.,bears N.46°E., 187 lks. dist.,marked ¼ S20 BT A cedar, 10 ins.diam.,bears S.69°W., 56 lks. dist.,marked ¼ S 29 BT
79.94	The cor. of secs. 19-20-29 and 30, 35 ft. below ¼ cor.
	Land, broken and rolling; drainage to S.
	Soil, light sandy loam, gravelly and rocky.
	Timber, very scattered scrub cedar and pinon.
	Undergrowth, medium dense to scattered growth of short sagebrush and greasewood.
	Fair grazing land.

	N. 89°49' W., on random line, bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
76.87	Intersect W. bdy. of tp., at the cor. of secs. 19-24-25 and 30, which is an iron post, 3 ins. dia., firmly set, marked and witnessed as described by the surveyor

Chains	
	general; thence,
	S. 89°49' E., on true line, bet. secs. 19 and 30.
	Over rolling and broken land, through scattering timber and short undergrowth.
2.10	Top of 50 ft. sandstone ledge, bears NE. and SW; desc. NE. slope, 225 ft. to
36.87	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S19 / S30 1919
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. No trees within limits.
	Continue slight descent of 35 ft. to
52.95	Bottom of Alkali Canyon, course SE.; asc. gently SW. slope.
76.87	The cor. of secs. 19-20-29 and 30, 40 ft. above canyon.
	Land, rolling and broken; faces to NE. into Alkali Canyon, on W. 53 chs., and to SW. on remainder.
	Soil, loose sandy loam, gravelly and rocky; sandstone formation.
	Timber, very scattered scrub cedar and pinon.
	Undergrowth, short sagebrush and greasewood.
	Fair grazing land.

	N. 0°03' W., bet. secs. 19 and 20.
	Over broken and rolling land, through scattering timber, and short undergrowth; asc. general S. and SW. slopes,
8.25	Top of ascent and canyon rim, 130 ft. above sec. cor., bears NW. and SE.; thence over rolling mesa top.
14.50	Begin slight descent over NW. exposure.
31.85	Draw, 110 ft. below the 14½ ch. point, course SW.; asc.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S19 | S20 1919 from which

Subdivision of T. 38 S., R. 24 E.

Chains	
	A cedar, 16 ins.diam.,bears N.81½°E., 74 lks. dist.,marked ¼ S20 BT A cedar, 12 ins.diam.,bears S.41°W., 48 lks. dist.,marked ¼ S19 BT
	Comtinue gradual ascent to
56.00	Top of ascent from draw, 145 ft. above the draw, bears E. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 17-18-19 and 20, with brass cap marked

T38S	R24E
S18	S17
S19	S20

1919 from which

A cedar, 10 ins.diam.,bears N.17°E., 33 lks. dist.,marked T38S R24E S17 BT
A pinon, 12 ins.diam.,bears S.66½°E., 170 lks. dist., marked T38S R24E S20 BT
A cedar, 14 ins.diam.,bears S.32°W., 145 lks. dist.,marked T38S R24E S19 BT
A cedar, 10 ins.diam.,bears N.39½°W., 54 lks. dist.,marked T38S R24E S18 BT

Land, rolling and broken mesa; general drainage SW.

Soil, reddish sandy loam, gravelly and rocky; sandstone formation.

Timber, scattering scrub cedar and pinon.

Undergrowth, medium growth of sagebrush and greasewood.

Fair grazing land.

S. 89°52' E., on random line, bet. secs. 17 and 20.

40.00 Set temp. ¼ sec. cor.

79.89 Intersect N. and S. line, 19 lks. S. of cor. of secs. 16-17-20 and 21.

Thence,

West, on true line, bet. secs. 17 and 20.

Along gently rolling land, slight SE. slope, through short undergrowth,

38.00 Enter scattering timber, bears N. and S.

39.94½ On gentle E. slope, 60 ft. above sec. cor.

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

Subdivision of T. 38 S., R. 24 E.

Chains	
	$\frac{1}{4}$ S17 / S20 1919 from which
	A cedar, 6 ins.diam.,bears S.69½°E., 44 lks. dist.,marked ¼ S20 BT
	A cedar, 18 ins.diam.,bears N.6° W., 10 lks. dist.,marked ¼ S17 BT
	Asc. E. slope, 150 ft.
57.25	Top of ascent, bears N. and S. thence along top.
61.00	Begin descent gradual W. slope, 60 ft. to
79.89	The cor. of secs. 17-18-19 and 20.
	Land, rolling mesa; E. exposure and drainage on E. 57½ chs.; and to W. and SW. on the remainder.
	Soil, sandy loam, gravelly and rocky.
	Timber, scattered scrub cedar and pinon, on W. 42 chs.
	Undergrowth, considerable sagebrush, with scattered greasewood.
	Fair grazing land.

	N. 89°49' W., on random line, bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
76.71	Intersect W. bdy. of tp., 20 lks. S. of cor. secs. 13-18-19 and 24, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	Thence,
	S. 89°40' E., on true line, bet. secs. 18 and 19.
	Over rolling land, facing to S. and SE., through short undergrowth.
18.90	Wash, 60 lks. wide, 3 ft. deep, in branch canyon, course S.20°W.; asc. gradually W. slope.
27.00	Enter scattering scrub timber, bears N. and SE.
36.71	On W. slope, 100 ft. above wash.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}$ S18 / S19 1919 from which

Subdivision of T. 38 S., R. 24 E.

Chains	
	A cedar, 12 ins.diam., bears N.50°W., 29 lks. dist., marked ¼ S18 BT A cedar, 10 ins.diam., bears S.41°E., 38 lks. Dist., marked ¼ S19 BT
62.00	Top of ascent on mesa, 165 ft. above ¼ cor., bears N. and S.; desc. 80 ft. to
76.71	The cor. of secs. 17-18-19 and 20. Land, rolling and broken mesa. Soil, light sandy loam, gravelly and rocky, with some clay; sandstone formation. Timber, scattering to medium dense scrub cedar and pinon, on E. 50 chs. Undergrowth, scattered to medium dense sagebrush and greasewood. Good grazing land.
	N. 0°03' W., bet. secs. 17 and 18. Over rolling mesa, through medium dense timber; scattered undergrowth; over general S. slope.
40.00	135 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in ground, to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked ¼ S18 | S17 1919 from which A cedar, 8 ins.diam., bears N. 55½°E., 8 lks. dist., marked ¼ S17 BT A cedar, 10 ins.diam., bears N.62½°W., 78 lks. dist., marked ¼ S18 BT
52.00	Top of ascent on the mesa, 20 ft. above ¼ cor., bears NE. and SW.; thence over slight NW. slope, descending.
71.60	Bottom of draw, 50 ft. below top of ascent, course SW.; asc. 25 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 7-8-17 and 18, with brass cap marked T38S | R24E S7 | S8 S18 | S17 1919

Subdivision of T. 38 S., R. 24 E.

Chains	
	from which
	A cedar, 12 ins.diam.,bears N.40½°E., 68 lks. dist.,marked T38S R24E S8 BT
	A pinon, 8 ins.diam.,bears S.24¼°E., 146 lks. dist.,marked T38S R24E S17 BT
	A cedar, 12 ins.diam.,bears S.14¼°W., 140 lks. dist.,marked T38S R24E S18 BT
	A cedar, 12 ins.diam.,bears N.74°W., 49 lks. dist.,marked T38S R24E S7 BT
	Land, rolling and broken mesa; drainage to SW.
	Soil, sandy loam, gravelly, clay and rocky; sandstone formation.
	Timber, medium dense to scattering scrub cedar and pinon.
	Undergrowth, scattered black sagebrush, and greasewood.
	Grazing land.
	East, on random line, bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
79.88	Intersect N. and S. line, 2 lks. S. of cor. secs. 8-9-16 and 17; thence,
	S. 89°59' W., on true line, bet. secs. 8 and 17.
	Over rolling mesa land, through considerable timber and short undergrowth; asc. gradually 25 ft. to
5.30	Top of raise on mesa, bears N. and S.; desc. gradually.
16.45	Bottom of draw, 95 ft. below top, course SW.; asc. 80 ft.
39.94	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S8 / S17 1919 from which
	A cedar, 10 ins.diam.,bears S.10¼°W., 25 lks. dist.,marked ¼ S17 BT
	A pinon, 8 ins.diam.,bears N.26½°W., 28 lks. dist.,marked ¼ S8 BT
51.30	Top of raise on mesa, 80 ft. above ¼ cor., bears N. and S. desc. gradually, 60 ft. to
79.88	The cor. of secs. 7-8-17 and 18.
	Land, rolling and broken mesa; southern drainage.
	Soil, sandy loam, with gravel and rocky, some scattered patches of blue clay; sandstone and shale formation.
	Timber, medium dense scrub cedar and pinon.
	Undergrowth, considerable sagebrush and greasewood.

Subdivision of T. 38 S., R. 24 E.

Chains	
	N. 89°40' W., on random line, bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
76.50	Intersect W. bdy. of tp., 2 lks. S. of cor. secs. 7-12-13 and 18, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general; thence
	S. 89°39' E., on true line, bet. secs. 7 and 18.
	Over broken and rolling mesa, through medium dense timber; and scattered undergrowth; desc.
6.15	Bottom of draw, 75 ft. deep, course SW; asc.
25.00	Top of ascent on mesa, 150 ft. above draw, bears N. and S. decsend gradual E. slope, 75 ft. to
36.50	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S7 / S18 1919 from which
	A cedar, 12 ins.diam.,bears N. 9° E., 12 lks. dist.,marked ¼ S7 BT
	A cedar, 10 ins.diam.,bears S.33½°E., 93 lks. dist.,marked ¼ S18 BT
53.60	Top of raise on mesa, 45 ft. above ¼ cor., bears N. and S.; desc. E. slope, 115 ft.
62.90	Bottom of branch canyon, course S.; asc. 80 ft. to
66.00	Top of ascent on E. rim; thence over mesa
76.50	The cor. of secs. 7-8-17 and 18.
	Land, rolling and broken mesa, cut by small canyons, draining to S.; E. and W. exposure.
	Soil, sandy loam, with gravel and rocks; some blue clay.
	Timber, medium dense scrub cedar and pinon.
	Undergrowth, sagebrush and greasewood.
	Poor grazing land.

	N. 0°03' W., bet. secs. 7 and 8.
	Over rolling and broken mesa, through dense timber and scattered undergrowth; asc. 40 ft. to
17.25	Top of ascent, bears E. and W.; desc. 35 ft. to
24.50	Cross head of draw, course SW.; asc. 45 ft. to

Subdivision of T. 38 S., R. 24 E.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked

¼
S7 | S8
1919

from which

A cedar, 8 ins.diam.,bears S.79½°E., 51 lks. dist.,marked ¼ S8 BT
A cedar, 20 ins.diam.,bears N.46¾°W., 27 lks. dist.,marked ¼ S7 BT

Thence along a gradual W. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 8 ins. in ground to bedrock, and in a mound of stone, for cor. of secs. 5-6-7 and 8, with brass cap marked

T38S	R24E
S6	S5
S7	S8

1919

from which

A cedar, 12 ins.diam.,bears N.24°E., 98 lks. dist.,marked T38S R24E S5 BT
A cedar, 14 ins.diam.,bears S.67¼°E., 113 lks. dist.,marked T38S R24E S8 BT
A cedar, 8 ins.diam.,bears S.54¼°W., 58 lks. dist.,marked T38S R24E S7 BT
A cedar, 8 ins.diam.,bears N.64½°W., 154 lks. dist.,marked T38S R24E S6 BT

Land, rolling and broken mesa, with SW. and W. exposure and drainage.

Soil, sandy loam and gravelly, mixed with clay and rock.

Timber, dense scrub cedar and pinon.

Undergrowth, considerable sagebrush and greasewood.

Fair grazing land.

N. 89°59' E., on random line, bet. secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.

79.89 Intersect N. and S. line, 14 lks. N. of cor. secs. 4-5-8 and 9; thence

N. 89°55' W., on true line, bet. secs. 5 and 8.

Over rolling mesa, through dense timber and scattered undergrowth.

12.40 Bottom of swale, 60 ft. deep, course S.

Subdivision of T. 38 S., R. 24 E.

Chains	
27.00	Cross head of swale, 15 ft. deep, drains S.
39.94½	Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked ¼ S5 / S8 1919 from which A pinon, 10 ins.diam.,bears N.36½°W., 19 lks. dist.,marked ¼ S5 BT A cedar, 12 ins.diam.,bears S.9½°W., 170 lks. dist.,marked ¼ S8 BT
57.00	Thence over W. exposure.
79.89	The cor. of secs. 5-6-7 and 8.
	Land, rolling mesa; drainage to S. and SW.
	Soil, shallow sandy loam, and rocky; on sandstone bedrock.
	Timber, dense scrub cedar and pinon.
	Undergrowth, scattered sagebrush.
	Poor grazing land.

	N. 89°39' W., on random line, bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
76.32	Intersect W. bdy. of tp., at the cor. of secs. 1-6-7 and 12, which is an iron post, 3 ins. dia., 12 ins. above ground, firmly set, marked and witnessed as descrubed by the surveyor general; thence,
	S. 89°39'E., on true line, bet. secs. 6 and 7.
	Over rolling and broken mesa, through very scattered timber, and short undergrowth; asc. gradually along W. and SW. slopes, 200 ft. to
30.50	Top of ascent on mesa, bears NW. and SE.; thence over rolling top.
36.32	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S6 / S7 1919 from which A cedar, 8 ins.diam.,bears N.60¼°W., 47 lks. dist.,marked ¼ S6 BT A cedar, 10 ins.diam.,bears S.18¾°W., 72 lks. dist.,marked ¼ S7 BT

Subdivision of T. 38 S., R. 24 E.

Chains	
39.00	Enter heavier timber, bears NW. and S.
75.75	Wash, 15 lks. wide, 3 ft. deep, course S.
76.32	The cor. of secs. 5-6-7 and 8, 45 ft. below ¼ cor.
	Land, rolling and broken mesa; exposure to W. and SW.
	Soil, shallow sandy loam, with gravel and rocks; on sandstone bedrock.
	Timber, scattering scrub cedar and pinon, on W. 39.00 chs.; medium dense on the remainder.
	Undergrowth, scattered sagebrush.
	Poor grazing land.

	N. 0°17' W., on random line, bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
80.46	Intersect N. bdy. of tp., 5 lks. E. of cor. secs. 5-6-31 and 32, heretofore described; thence,
	S. 0°19' E., on true line, bet. secs. 5 and 6.
	Over rolling top of mesa, slight southern exposure, through very scattered scrub timber, and scattered undergrowth.
38.50	Leave scattered, enter medium dense timber, bears E. and W.
40.46	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S6 | S5 1919 from which
	A cedar, 10 ins.diam.,bears S.68°E., 105 lks. dist.,marked ¼ S5 BT
	A cedar, 10 ins.diam.,bears S.84½°W., 350 lks. dist.,marked ¼ S6 BT
80.46	The cor. of secs. 5-6-7 and 8.
	Land, rolling mesa, with southern exposure and drainage.
	Soil, shallow sandy loam, with gravel and rocks.
	Timber, very scattered scrub cedar and pinon, on N. 38½ chs;. medium dense on the remainder of mile.
	Undergrowth, scattered sagebrush.
	Fair grazing land.

Boundaries of T. 38 S., R. 24 E.

Latitudes, departures, and closing errors.

Line designated	True bearing	Distances Chs,	Latitudes. N. Chs.	Latitudes. S. Chs.	Departures. E. Chs.	Departures. W. Chs.
E. bdy. of tp.	South	480.66		480.66		
S. bdy. of tp.	N.89°53'W.	477.13	.97			477.13
W. bdy. of tp.	North	480.00	480.00			
N. bdy. of tp.	N.89°56'E.	475.76	.55		475.76	
Convergency					.56	
Totals ----------			481.52	480.66	476.32	477.13
Error in lat. ----------			480.66			
			0.86			476.32
Error in dep. ----------						0.81

General Description of T. 38 S., R. 24 E.

This township contains principally rolling and broken mesa and bench lands; broken by Montezuma and Alkali Canyons and tributaries; the eastern portion drains into Montezuma Canyon, which has a southerly course through the extreme east edge of the township; the western and southern part drains into Alkali Canyon, having a south-easterly course through the SW. portion. The greater part of the township is covered with a scattered growth of scrub cedar and pinon timber; dense in the extreme north-west corner; scattered to dense black sagebrush, with scattered greasewood and shad-scale undergrowth prevails throughout the township. The soil ranges from light, shallow sandy loam on mesa to stiff, moist clay and rocky on the broken portions, with scattered sandstone outcrops; the formation is gray sandstone and trachyte.

The bottom land along Montezuma Canyon is suitable for agricultural purposes, with aid of irrigation. Flood

General Description of T.38 S., R.24 E.

water and the early spring flow can be diverted from Montezuma Wash to cover the bottom lands. The remainder of the township is chiefly valuable only as grazing land. Because of lack of water it is being used mostly for winter grazing.

The only permanent water found in the township is a small seep of alkaline water, in NE.¼ of NE.¼ of sec. 30, in Alkali Canyon, and a small spring of good water, in SW.¼ of SW.¼ of sec. 22. During winter, early spring and in flood season there is considerable water in Montezuma Canyon, dries up during summer.

A poor wagon road, leading from Montezuma Canyon to the main road between Blanding and Monticello, passes through the northern portion of the township.

There are two small stone buildings and a corral situated along sec. line, near NE. cor. of sec. 30, used as winter quarters by a cattle company, claimant unknown.

No indications of oil, mineral or coal were noted in this township.

Andrew Nelson
U.S. Surveyor.

Chauncey J. Terry.
U.S. Transitman

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
Frank Romney	Head Chainman
Rex Roberts	Head Chainman
Philip Roberts	Rear Chainman
Elden Prows	Rear Chainman
John K. Davis	Axman
Paul Peterson	Flagman
Clyde Rasmussen	Flagman
James Hill	Cornerman
Ernest R. Brighton	Axman
Afton Decker	Cornerman
The above named assistants were employed and assisted in the survey of	T. 38 S., R. 24 E.

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CERTIFICATE OF UNITED STATES SURVEYOR.
AND TRANSITMAN.

We, Andrew Nelson, U.S.Surveyor and Chauncey J. Terry, U.S.Transitman, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 26th day of May, 1919, We have well, faithfully, and truly in our own proper persons 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 North Boundary and Subdivision of T. 38 S., R. 24 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes and date diagram on page one as having been executed by us, and under our direction on dates shown on date dia; and 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 Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Salt Lake City, Utah Feb. 25, 1920. Andrew Nelson, U. S. Surveyor.

St. George, Utah, Apr. 3, 1920. Chauncey J. Terry, U.S. Transitman.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 23, 1920.

The foregoing field notes of the survey of the north boundary and the subdivisional lines of Township No. 38 South, Range No. 24 East of the Salt Lake Base and Meridian, Utah,

executed by Andrew Nelson and Chauncey J. Terry

under his special instructions dated May 26, 1919, 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.

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