Volume

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SALT LAKE CITY

4—679

E.

BOOK A-442

FIELD NOTES

OF THE SURVEY OF THE

THIRD STANDARD PARALLEL SOUTH, THROUGH RANGES 21, 22, 23, 24, 25 and 26 EAST.

Of the Salt Lake Base and *Meridian,*

In the State of Utah

EXECUTED BY

Elliot Bird and Lyman E. Bolinger, U.S. Transitmen

~~*In the capacity of U.S. Surveyor*~~, *under instructions dated* August 6, *1915, issued by the United States Surveyor General to govern surveys included in Group No.* 41, *which were approved by the Commissioner of the General Land Office,* August 23, *1915.* Supplemental assignment instructions dated July 24, 1918 and May 6, 1918, respectively.

Survey commenced May 6, *1918.*

Survey completed October 8, *1918*

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INDEX DIAGRAM.

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INDEX DIAGRAM OF THIRD STANDARD PARALLEL SOUTH THROUGH

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RANGE 22 EAST

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RANGE 23 EAST

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RANGE 24 EAST

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RANGE 25 EAST

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RANGE 26 EAST

31
52

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DATE DIAGRAM OF THIRD STANDARD PARALLEL SOUTH THROUGH

RANGE 21 EAST

31	32	33	34	35	36
5/28/18	5/29/18	5/30/18	5/30/18	5/31/18	6/2/18
5/29/18			5/31/18	6/2/18	

RANGE 22 EAST

31	32	33	34	35	36
6/3/18	6/3/18	6/4/18	6/4/18	6/4/18	6/5/18
				6/5/18	

RANGE 23 EAST

31	32	33	34	35	36
6/5/18	6/6/18	6/7/18	6/8/18	6/8/18	6/9/18
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RANGE 24 EAST

31	32	33	34	35	36
6/9/18	6/9/18	6/10/18	6/10/18	6/15/18	6/15/18
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RANGE 25 EAST

31	32	33	34	35	36
6/18/18	6/24/18	6/25/18	7/16/18	8/6/18	8/25/18
6/19/18		7/10/18	8/6/18	8/7/18	

RANGE 26 EAST

31
10/10/18

Lines along which the dates are colored red were surveyed by Elliot Bird, U.S. Transitman.

Lines along which the dates are colored black were surveyed by Lyman E. Bolinger, U.S. Transitman.

chains

Survey commenced May 26, 1918 and executed with Young and Son light mountain transits Nos. 8584 and 8531. Both transits were equipped with Smith's solar attachments and full vertical circles. The horizontal limbs were provided with two double verniers, placed opposite each other, and reading to single minute of arc, which is also the least count of the verniers of the lat., decl. arcs and vertical circles.

The instruments were approved for use on this survey by Assistant Supervisor of Surveys for Utah in supplemental assignment instructions dated May 6, 1918 and July 24, 1918.

Test of instrument No. 8584, used by Lyman E. Bolinger.

I examine the adjustment of the transit and correct the level and collimation 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 observation on Polaris, I proceed as follows.

May 26, 1918: Station in camp, in the center of sec. 32, T. 15 S., R. 21 E., approximate latitude 39°28½' N. longitude 109°37½'W.

At 4h, p.m. apparent time, I set off 39°28½' on the lat. arc; 21°05' N. on decl. arc; and determine a meridian with the solar and note that line hits a pine tree about two miles distant.

May 26: At apparent noon I make a direct observation on the sun for time as follows

	Watch time		
West limb,	12h.	30m	00s
East limb,	12	32	00
Mean	12h	31m	00s
Apparent noon,	12h	00m	00s
Equation of time May 26,		3	14
L. m. t. of apparent noon,	11h	56m	46s
Watch time of apparent noon,	12	31m	00s
Watch fast l. m. t.	00h	34m	14s

On same day and at same place, I observe Polaris as follows, using the meridian obtained by the p.m. solar as my reference line.

chains

Telescope Dir.	Angle ° ' "	Watch time h. m. s.
Star,	0 31 00 E.	8 25 00
Tree,	0 00 00	
Star,	0 31 00	8 27 00
Telescope reversed.		
Star,	0 30 00	8 28 00
Tree,	0 00 00	
Star,	0 30 00	8 29 00
Tree,	0 00 00	
Mean	0 30m30s E.	8h 27m15s
Watch fast l. m. t.		0h 34m14s
L. m. t. of observation,		7h 53m01s

U. C. Polaris May 26, 1918, ...9h 17.8m a. m.
Red. for longitude, ... 1.2
U. C. Polaris at station, ... 9h 16.6m a. m.

Hour angle of Polaris, ... 10h 36.4m

W. azimuth of Polaris, ... 0° 30' 00"
Angle W., tree to star, ... 0° 30' 30"
Tree bears, ... N. 0° 00' 30" E.

May 27, 1918: At same station, I set off 39°28½' on the lat. arc, 21°15' N. on decl. arc and at 8.30 apparent time a. m. I note that same tree bears N. 0°00'45" E. The a. m. and p. m. solars gives a meridian that agrees within 0°01' of the Polaris meridian, therefore I assume that the transit is in good condition.

Test of instrument No. 8531 used by Elliot Bird U.S. Transitman.

I examine the adjustment of the transit and correct the level and collimation errors, then to test the solar apparatus by comparing their indications resulting from solar observations made during a. m. and p. m. hours, I proceed as follows.

August 2, 1918: Station in camp, on line bet. secs. 16 and 17, T. 15 S., R. 25 E. approximate latitude 39°30½' N. longitude 109°10' W.

At 7.00 a.m. apparent time, I set off 39°30½' N. on the lat. arc; 17°53½' N. on decl. arc, and determine a a meridian with the solar and note that the line hits the east edge of a pine tree about one mile distant. At 4.00 p. m. apparent time, I set off 39°30½' N. on the lat. arc; 17°49' N. on the decl. arc, and note that this meridian bears 0° 0½' E. of the meridian determined with the a. m. solar.

On same day and at same station at 10.52 p.m., in accord-

chains	
	ance with the Manual of Surveying Instruction, I observe Polaris at eastern elongation and mark the line thus determined by a tack in a stake which is driven firmly in the ground about 10 chains distant.
	August 3, 1918; At 8.00 a. m. l. m. t., I lay off the azimuth of Polaris which is 1°28' W., The meridian obtained by Polaris bears 0°0½' E. of the mean of the two meridians obtained by solar observation, therefore I assume that the instrument is in good adjustment.
	Both transits were kept in adjustment by tests made on meridians obtained by Polaris.
	Steel tapes, 5 chains long were used in the field, and clinometers were used to obtain the slope angles. The tapes were all tested, comparison being made with a standard tape 1 chain long, kept for that purpose only.
	Magnetic bearing was not determined on account of defective needle.
	From the old standard cor. for Tps. 15 & 16 S. Ranges 20 and 21 East, which is a sandstone firmly set, 24 x 10 x 6 ins. above ground, marked and witnessed as described by the surveyor general.
	East along the south bdy. sec. 31.
	Over mountainous land broken with outcroppings of sandstone ledges through scattering cedars and pinon and undergrowth of sagebrush, greasewood and wheat grass.
	Desc. abruptly over broken east slope.
2.20	Bottom of canyon, 70 ft. below Tp. cor., drains N., thence, over rolling bottom of canyon through dense growth of willows which bears N. and S.
3.90	Willow Creek, with muddy stream of water, 30 lks. wide, 1 ft. deep, drains N. Asc. gradually.
8.70	Leave willows and canyon bottom, bears N. and S., thence, asc. abruptly broken W. slope.
29.00	Top of sandstone point, 790 ft. above bottom of canyon, projects S. 40 lks., thence, asc. gradually over broken SW. slope.
	Difference of measurement of 40.00 chs. between two sets

chains	
	of chainmen, is 7 lks.; position of middle point
	By first set, 40.03½ chs.
	By second set, 39.96½ chs., the mean of which is
40.00	On rocky W. slope, 110 ft. above ledge.
	Set an iron post 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock and 14 ins. in a mound of stone, for standard ¼ cor. of sec. 31, with a brass cap marked
	S C ¼ S 31 1918
	From which,
	A pinon, 10 ins. dia., bears N. 25° E., 22 lks. dist. marked S C ¼ S 31 B T.
	A pinon, 10 ins. dia., bears N. 50° W., 28 lks. dist., marked S C ¼ S 31 B T.
46.20	Top of ridge, 70 ft. above ¼ cor., bears N. and S., desc. gradually NE. slope.
64.40	Leave timber and enter rolling sage flat, bears N. and S.
73.00	Swale, 160 ft. below ridge, course N.; asc. gradually.
73.20	Enter dense cedar and pinon timber, bears N. and S.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 2 lks.; position of middle point
	By first set, 79.99 chs.
	By second set, 80.01 chs., the mean of which is
80.00	On gentle W. slope, 20 ft. above swale.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 31 and 32, with a brass cap marked
	S C T15S R21E S 31 | S 32 1918
	From which,
	A cedar, 15 ins. dia. bears N. 34½° E., 66 lks. dist., marked S C T15S R21E S 32 B T.
	A cedar, 10 ins. dia., bears N. 55¾° W., 245 lks. dist., marked S C T15S R21E S 31 B T.

Third Standard Parallel South, through Range 21 East.

chains	
	Land, mountainous with outcroppings of sandstone ledges.
	Soil, shallow loose sand and clay loam mixed with sandstone shale.
	Drainage. N.
	Timber, ~~dense~~ cedars and pinon and scattering red pine. Dense willows on 5.50 chs.
	Undergrowth, scattering sage brush and grease wood.
	Grazing, good on all of mile.
	East, on the south bdy. of sec. 32.
	Asc. gradually over broken mountainous land through ~~scatte~~ ~~ring~~ cedar, pinon and red pine timber and undergrowth of dense sagebrush and scattering wheat grass.
9.80	Spur, 65 ft. above sec. cor., projects NE.; desc. gradually
19.50	West rim of canyon, 65 ft. below spur, bears N. 30° E. and S. 30° W.; desc. abruptly into bottom of canyon.
25.40	Bottom of canyon, 125 ft. below rim, course N. 20° E.; asc. abruptly to E. rim of canyon.
m30.70	East rim. of canyon, 95 ft. above bottom, bears NE. and SW.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 8 lks.; position of middle point
	By first set, 39.96 chs.
	By second set, 40.04 chs., the mean of which is
40.00	On gentle SW. slope, 25 ft. above rim of canyon.
	Set an iron post 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock and 14 ins. in a mound of stone, for standard ¼ cor. of sec. 32, with a brass cap marked
	S C ¼ S 32 1918
	From which,
	A pinon, 10 ins. dia., bears N. 45½° E., 44 lks. dist., marked S C ¼ S 32 B T.
	A pinon, 10 ins. dia., bears N. 40½° W., 142 lks. dist., marked S C ¼ S 32 B T.
	Asc. gradually.

chains	
45.00	Spur, 20 ft. above ¼ cor., projects NE.; desc. gradually.
50.20	Bottom of canyon, 90 ft. below spur, drains N.; asc. gradually.
58.30	Leave timber and enter dense sagebrush, bears N. and S.
66.50	Enter dense cedars and pinon, bears N. and S.; sagebrush becomes more scattering.
	Difference between measurement of 80.00 chs., by two sets of chainmen is 12 lks.
	By first set; 79.94 chs.
	By second set, 80.06 chs., the mean of which is
80.00	On rolling W. slope, 110 ft. above canyon.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 32 and 33, with a brass cap marked

S C
T15S R21E
S 32 | S 33

1918

From which,

A pinon, 28 ins. dia., bears N. 19° E., 63 lks. dist., marked S C T15S R21E S 33 B T.

A pinon, 12 ins. dia., bears N. 46½° W., 85 lks. dist., marked S. C T15S R21E S 32 B.T.

Land, rough and rolling mountains broken with deep canyons which drain N.

Soil, shallow sandy loam and sandstone shale.

Timber, dense cedars and pinon and scattering red pine.

Drainage, N.

Undergrowth, dense sagebrush and scattering wheat grass.

	East on south bdy. sec. 33.
	Asc. gradually over mountainous land through dense cedars and pinon and scattering red pine.
2.20	Ridge, 20 ft. above sec. cor., bears N. and S.; desc. gradually.
3.60	Begin abrupt desc. over E. slope of sandstone ledges.

Third Standard Parallel South through Range 21 E.

chains	
16.30	Bottom of canyon, 515 ft. below ridge, drain N. 20° E., forks of canyon, bears N. 20° E., about 8.00 chs.; asc.
21.00	Point of spur, 85 ft. above canyon, projects NW. 3.00 chs.; desc. abruptly.
27.00	Canyon, 80 ft. below spur, drains NW.; asc. abruptly.
40.00	True point for ¼ cor falls on loose slide rock, impossible to set cor. at this point.
41.70	Rim of mountain and top of ledges, 530 ft. above canyon, bears N. and S.; asc. gradually.
	Difference between measurement of 41.85 chs., by two sets of chainmen is 2 lks; position of middle point
	By first set of chainmen, 41.84 chs.
	By second set of chainmen 41.86 chs., the mean of which i
41.85	On gentle W. slope, 20 ft. above rim of mountain on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for W.C. to standard ¼ sec. cor. Sec. 33, with a brass cap marked
	WC ¼ S C / S 33 / 1918
	From which,
	A red pine, 18 ins. dia, bears N. 50° W., 59 lks. dist., mkd: WC SC ¼ S 33 B T.
	A cedar, 30 ins. dia., bears N. 32° E., 160 lks. dist., mkd: WC SC ¼ S 33 B T.
51.80	Ridge, 330 ft. above ¼ cor., bears N. and S.; desc. gradually NE. slope.
70.10	Ravine, 70 ft. below ridge, drains NE.; asc. gradually.
	Difference between measurement of 80.00 chs., between two sets of chainmen is 6 lks.; position of middle point
	By first set, 80.03 chs.
	By second set, 79.97 chs., the mean of which is
80.00	On gentle W. slope, 20 ft. above ravine.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 33 and 34, with a

chains

with brass cap marked

S C
T15S R21E
S 33 | S 34

1918

From which,

A pinon, 8 ins. dia., bears N. 55½° E., 94 lks. dist., marked S C T15S R21E S 34 B T.

A cedar, 36 ins. dia., bears N. 59¼° W., 113 lks. dist., marked S C T15S R21E S 33 B T.

Land, mountainous with outcroppings of sandstone.

Soil, shallow sandy loam and sandstone shale.

Timber, dense cedar, pinon and scattered red pine.

Drainage, N.

Undergrowth, scattering sagebrush and wheat grass.

East, on south bdy. sec. 34.

Asc. gradually over rolling mountains through dense cedars and pinon and scattering red pine and undergrowth of dense sagebrush and scattering wheat grass.

5.00 Rim of Meadow Canyon, 30 ft. above sec. cor., bears N. 70° E. and S. 70° W.; desc. gradually steep N. slope.

11.00 Point of mountain, 10 ft. below rim, projects NE.; desc. abrupt NE. slope over broken sandstone ledges.

19.60 Canyon, 280 ft. below point of mountain, drains NE.; asc. abrupt W. slope.

26.60 Point of mountain, 240 ft. above canyon, projects NW. about 10.00 chs.; desc. abruptly over sandstone ledges.

35.20 Ravine, 150 ft. below point of mountain, drains NE.; continue descent over NE. slope.

Difference between measurement of 40.00 chs., by two sets of chainmen, is 20 lks.; position of middle point

40.00 By first set, 40.10 chs.

By second set, 39.90 chs., the mean of which is

40.00 On gentle NE. slope, 110 ft. below ravine.

Set an iron post 3 ft. long, 1 in. dia., 18 ins. in the

ground, 8 ins. in a mound of stone, for standard $\frac{1}{4}$ cor. of sec. 34, with a brass cap marked

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

1918

From which,

A red pine, 15 ins. dia., bears N. 56° W., 172 lks. dist., marked S C $\frac{1}{4}$ S 34 B T.

A pinon, 10 ins. dia., bears N. 59° W., 178 lks. dist., marked SCC $\frac{1}{4}$ S 34 B T. No B. T. available in NE.

42.10 Ravine, 20 ft. below $\frac{1}{4}$ cor., drains N.; asc. abruptly.

44.12 Spur, 40 ft. above ravine, projects N. 1.00 chs.; desc.

45.50 Leave timber and mountains and enter Meadow Valley, bears NW. and SE.; thence, over rolling valley bottom and cultivated land.

56.90 Meadow Creek, with clear stream of water, 50 ft. below spur, 20 lks. wide, 6 ins. deep, drains N. for 5.00 chs. then N. 60° W.; asc. gradually.

59.80 Road, bears NW. and SE., leave cultivated land and enter dense sagebrush and grease wood, bears N. and S.

61.40 Pole fence, bears NW. and SE.

66.80 Squire's house, bears SW. about 6.00 chs., corral bears S. 40° W., about 10.00 chs., house and corral are both on N. side of Meadow Creek.

70.00 Leave valley bottom, bears NW. and SE.; asc. abruptly.

75.50 Point of spur, 110 ft. above creek, projects S. 20° E., 3.00 chs. dist., desc abruptly over rough SE. slope.

Difference between measurement of 80.00 chs., by two sets of chainmen, is 16 lks.; position of middle point

By first set, 80.08 chs.

By second set, 79.92 chs., the mean of which is

80.00 On steep and rough SE. slope, near base of mountain, 20 ft. below point of spur, on solid rock.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in a mound of stone, for standard cor. of secs. 34 and 35, with a brass cap marked

chains	
	S C T15S R21E S 34 | S 35 1918
	From which,
	A pinon, 13 ins. dia., bears N. 26½° E., 63 lks. dist., marked S C T15S R21E S 35 B T.
	A pinon 15 ins. dia., bears N. 29½° W., 61 lks. dist., marked S C T15S R21E S 34 B T.
	Land, rough mountains and rolling valley bottom.
	Soil, on mountains is a sandy loam, ~~xxxxxx~~; and in the valley bottoms a deep black sandy loam.
	Drainage N&S. into Meadow Canyon.
	Timber, dense cedar and pinon and scattered red pine.
	Undergrowth, dense sagebrush and scattering wheat grass.
	Grazing, good on all of mile.
	East, on south bdy. of sec. 35.
	Desc. abruptly over broken SE. slope of spur through dense cedars and pinon and undergrowth of scattering sagebrush.
5.00	Ravine, 20 ft. below sec. cor., drains SE.; asc. abruptly.
12.80	Point of spur, 200 ft. above ravine, projects S. 20° E., about 2.00 chs.; desc. abruptly.
17.45	Mouth of ravine, 120 ft. below point of spur, drains SE.; asc. abruptly over sandstone ledges.
26.70	Point of spur, 450 ft. above mouth of ravine, projects SE., about 3.00 chs.; desc. abruptly.
29.00	Ravine, 120 ft. below point of spur, drains SE.; asc. abruptly over sandstone ledges.
	Difference of measurement of 40.00 chs., by two sets of chainmen, is 6 lks.; position of middle point
	By first set, 39.97 chs.
	By second set, 40.03 chs. the mean of which is
40.00	On broken SW. slope, 460 ft. above ravine.
	Set an iron post 3 ft. long, 1 in. dia., 4 ins. in the

chains	
	ground to solid rock and 22 ins. in a mound of stone, for standard $\frac{1}{4}$ cor. of sec. 35, with a brass cap marked S C $\frac{1}{4}$ S 35 1918 From which, A pinon, 18 ins. dia., bears N. 80° W., 67 lks. dist., marked S C $\frac{1}{4}$ S 35 B T. A pinon, 10 ins. dia., bears N. 30° W., 75 lks. dist., marked S C $\frac{1}{4}$ S 35 B T. No B. T. available in NE.
46.00	Top of sandstone ledge, 220 ft. above $\frac{1}{4}$ cor., bears N. and S.; asc. gradually.
50.10	Spur, 65 ft. above ledge, projects SE.; desc. abruptly over sandstone ledges.
65.50	Canyon, 520 ft. below spur, drains S.; asc. abruptly.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 14 lks.; position of middle point By first set, 79.93 chs. By second set, 80.07 chs., the mean of which is
80.00	On top of spur, 440 ft. above canyon, projects SW. Set an iron post 3 ft. long, 2 ins. dia., 4 ins. in the ground to solid rock and 20 ins. in a mound of rock, for standard sec. cor. of secs. 35 and 36, with a brass cap marked S C T15S R21E S 35 | S 36 1918 From which, A pinon, 15 ins. dia., bears N. 8½° E., 18 lks. dist., marked S C T15S R21E S 36 B T. A pinon, 24 ins. dia., bears N. 72½° W., 91 lks. dist., marked S C T15S R21E S 35 B T. Land, mountainous with outcropping of sandstone ledges. Soil. shallow sandy loam and sandstone shale. Drainage, S. and SE. into Meadow Canyon. Timber, dense cedar and pinon and scattering red pine.

chains	
	Undergrowth, scattering sagebrush.
	Grazing, good on all of mile.
	East, on south bdy. of sec. 36.
	Desc. gradually over rolling mountainous land through dense cedars and pinon and scattering red pine timber.
4.60	Swale, 20 ft. below sec. cor., drains S.; asc. gradually.
7.60	Spur, 20 ft. above swale, projects SE.; desc. gradually.
10.50	Top of sandstone ledges, 10 ft. below spur, bears N. and S.; desc. abruptly over sandstone ledges into canyon.
24.40	Canyon, 430 ft. below top of ledges, drains S.; asc. abruptly steep W. slope.
37.30	Slope becomes more gradual.
	Difference of measurement of 40.00 chs., by two sets of chainmen, is 10 lks.; position of middle point
	By first set, 40.05 chs.
	By second set, 39.95 chs., the mean of which is
40.00	On gentle W. slope, 530 ft. above canyon.
	Set an iron post 3 ft. long, 1 in. dia., 4 ins. in the ground to solid rock and 22 ins. in a mound of stone, for standard $\frac{1}{4}$ cor. of sec. 36, with a brass cap marked
	S C $\frac{1}{4}$ S 36 1918
	From which,
	A yellow pine, 20 ins. dia., bears N. $9\frac{1}{2}°$ E., 60 lks. dist., marked S C $\frac{1}{4}$ S 36 B T.
	A yellow pine, 15 ins. dia., bears N. $52\frac{1}{2}°$ E., 69 lks. dist., marked S C $\frac{1}{4}$ S 36 B T.
	No B. T. available NW.
42.00	Spur, same level as $\frac{1}{4}$ cor., projects SW.; desc. abruptly.
46.30	Ravine, 60 ft. below spur, drains SW.; asc. abruptly.
50.70	Rocky spur, 75 ft. above ravine, projects S. 30° W.; desc. abruptly SE. slope.
67.60	Canyon, 490 ft. below spur, drains S.; asc. abruptly.
	Difference between measurement of 80.00 chs., by two sets

Third Standard Parallel South through Range 21 East.

Chains	
	of chainmen, is 14 lks.; position of middle point
	By first set, 80.07 chs.
	By second set, 79.93 chs., the mean of which is
80.00	On steep NW. slope, 460 ft. above canyon, on solid rock.
	Set an iron post 3 ft. long, 3 ins. dia., 24 ins. in a mound of stone, for standard cor. of Tps. 15 S., Rs. 21 and 22 E., with a brass cap marked
	S C T15S R21E R22E S 36 | S 31 1918
	From which,
	A pinon, 12 ins. dia., bears N. 89° E. 6 lks. dist., marked S C T15S R22E S 31 B T.
	A pinon, 20 ins. dia., bears N. 67$\frac{1}{4}$° W. 22 lks. dist., marked S C T15S R21E S 36 B T.
	Land, rolling mountains with outcroppings of sandstone ledges
	Soil, sandy loam, mixed with loose broken sandstone.
	Drainage, S., into Meadow Canyon.
	Timber, dense cedars and pinon and scattering red and yellow pine.
	Undergrowth, Scattering sagebrush.
	Grazing, good on all of mile.

	East, on the South bdy. of sec. 31.
	Asc. gradually over W. slope of spur through dense cedars, and pinon, scattering red and yellow pine, and undergrowth of scattering sage and buckbrush and wheat grass.
10.00	Spur, 50 ft. above Tp. cor.; projects S.; desc. gradually.
16.50	Swale, 20 ft. below spur, drains S.; asc. gradually.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 12 lks.; position of middle point
	By first set, 40.06 chs.
	By second set, 39.94 chs., the mean of which is
40.00	On gentle S. slope, 35 ft. above spur.

chains	
	Set an iron post 3 ft. long, 1 in. dia., 4 ins. in the ground to solid rock and 22 ins. in a mound of stone, for standard $\frac{1}{4}$ cor. of sec. 31, with a brass cap marked S C $\frac{1}{4}$ S 31 1918 From which, A pinon, 8 ins. dia., bears N. $12\frac{1}{2}°$ E., 52 lks. dist., marked S C $\frac{1}{4}$ S 31 B T. A pinon, 10 ins. dia., bears N. $47\frac{1}{2}°$ W., 27 lks. dist., marked S C $\frac{1}{4}$ S 31 B T.
40.50	Low ridge, 20 ft. above $\frac{1}{4}$ cor., bears N. and S.; desc. gradually.
41.40	Ravine, 50 ft. below ridge, drains S.; asc. gradually.
52.10	Spur, 40 ft. above ravine, projects S.; desc. abruptly over broken sandstone ledges.
59.20	Canyon, 200 ft. below spur, drains S.; asc. abruptly.
65.40	Spur, 100 ft. above canyon, projects S. about 10.00 chs., desc. abruptly.
75.30	Canyon, 360 ft below spur, drains S., enter dense yellow pine timber, bears N. and S.; asc. abruptly.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 10 lks.; position of middle point By first set, 80.05 chs. By second set, 79.95 chs., the mean of which is
80.00	On steep W. slope, 110 ft. above canyon. Set an iron post 3 ft. long, 2 ins. dia., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for standard cor. of secs. 31 and 32, with a brass cap marked S C T15S R22E S 31 | S 32 1918 From which, A yellow pine, 15 ins. dia., bears N. 32° E., 68 lks. dist., marked S C T15S R22E S 32 B T.

chains	
	A yellow pine, 30 ins. dia., bears N. 61° W., 68 lks. dist., marked S C T15S R22E S 31 B T.
	Land, mountainous with outcroppings of sandstone ledges.
	Soil, sandy loam, mixed with loose broken sandstone.
	Drainage, S.
	Timber, dense cedars and pinon and scattering red and yellow pine.
	Undergrowth, scattering sage and buck brush and wheat grass.
	Grazing, good on all of mile.
	East, on South bdy. of sec. 32.
	Asc. abruptly W. slope of spur through dense cedar, pinon and yellow pine timber and scattering undergrowth of wheat grass.
3.90	Spur, 190 ft. above sec. cor., projects SW.; desc. gradually.
16.00	Canyon, 280 ft. below spur, drains SW.; asc. abruptly, W. slope of bench.
30.00	Timber becomes more scattering, bears N. and S.
30.10	Enter scattering undergrowth of sage and service brush, bears N. and S.
31.50	Top of steep asc., 220 ft. above canyon, enter rolling bench land, bears N. and S., sagebrush becomes dense.
37.30	Low ridge, same level as top of steep asc., bears N. and S., cedar and pinon timber becomes dense.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 4 lks.; position of middle point
	By first set, 39.98 chs.
	By second set, 40.02 chs., the mean of which is
40.00	On gentle E. slope, 30 ft. below ridge.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ cor. of sec. 32, with a brass cap marked

S C
¼ S 32

chains	
	From which,
	A pinon, 15 ins. dia., bears N. 37¾° E., 56 lks. dist., marked S C ¼ S 32 B T.
	A pinon, 12 ins. dia., bears N. 35¼° W., 69 lks. dist., marked S C ¼ S 32 B T.
46.70	Swale, 25 ft. below ¼ cor., drains SE.; asc. gradually.
50.00	Low ridge, 45 ft. above swale, bears N. and S.; desc. gradually.
53.60	Ravine, 50 ft. below ridge, drains SE., asc. gradually, leave yellow pine timber, bears N. and S.
64.80	Enter rolling bench, bears N. and S.; timber becomes more scattering.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 4 lks.; position of middle point
	By first set, 80.02 chs.
	By second set, 79.98 chs., the mean of which is
80.00	On gentle W. slope, 50 ft. above ravine.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 32 and 33, with a brass cap marked

S C
T15S R22E
S 32 | S 33

1918

From which,

A pinon, 25 ins. dia., bears N. 16° E., 250 lks. dist., marked S C T15S R22E S 33 B T.

A pinon, 30 ins. dia., bears N. 44¼° W., 835 lks. dist., marked S C T15S R22E S 32 B T.

Land., rolling mountains.

Soil, sandy loam.

Drainage, SE.

Timber, scattering cedars, pinon and yellow pine; dense on W.30.00 chs.

Undergrowth, scattering sagebrush and wheat grass.

Grazing, good on all of mile.

Third Standard Parallel South, through Range 22 East.

chains	
	East, on south bdy. of sec. 33.
	Asc. gradually over rolling bench land through dense cedars and pinon and dense undergrowth of sagebrush and wheat grass.
1.50	Low ridge, 30 ft. above sec. cor., bears N. and S.; desc. gradually into canyon.
12.50	Canyon, 90 ft. below ridge, drains SW.; asc. gradually.
19.40	Spur, 175 ft. above canyon, projects SW., about 3.00 chs.; desc. gradually.
26.20	Ravine, 20 ft. below spur, drains SW.; asc. gradually.
32.00	Enter rolling bench, 60 ft. above ravine, bears N. and S., cedar and pinon timber becomes scattering.
	Difference between measurement of 40.00 chs., by two sets of chainmen is 2 lks.; position of middle point
	By first set, 39.99 chs.
	By second set, 40.01 chs., the mean of which is
40.00	On gentle E. slope, same level as point of entering bench.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard $\frac{1}{4}$ cor. of sec. 33, with a brass cap marked
	S C $\frac{1}{4}$ S 33 1918
	From which,
	A pinon, 15 ins. dia., bears N. $53\frac{1}{4}°$ E., 95 lks. dist., marked S C $\frac{1}{4}$ S 33 B T.
	No B. T. available in NW. $\frac{1}{4}$.
	Raise a mound of stone, 2 ft. base. $1\frac{1}{2}$ ft. high, N. of cor.
48.20	Canyon, 170 ft. below $\frac{1}{4}$ cor., drains S.; asc. gradually.
48.80	Trail on E. side of canyon, bears N. and S.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 2 lks.; position of middle point
	By first set, 80.01 chs.
	By second set, 79.99 chs. the mean of which is
80.00	On gentle E. slope, 45 ft. above canyon.

chains

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 33 and 34, with a brass cap marked

S C
T15S R22E
S 33 | S 34

1918

From which,

A cedar, 12 ins. dia., bears N. 39½° E., 407 lks. dist., marked S C T15S R22E S 34 B T.

A cedar, 10 ins. dia., bears N. 86½° W., 135 lks. dist., marked S C T15S R22E S 33 B T.

Land, rolling bench land.

Soily sandy loam subsoil.

Drainage, SW. on first ½ mile, S. on last ½ mile.

Timber, scattering cedars and pinon, on E. 48.00 chs.; dense on W. 32.00 chs.

Undergrowth, Dense sagebrush and scattering wheat grass.

Grazing, good on all of mile.

East, on south bdy. of sec. 34.

Asc. gradually over rolling bench land through scattering cedar and pinon timber and dense undergrowth of sagebrush and wheat grass.

10.00 Divide between Meadow Canyon and Main Canyon, 30 ft. above sec. cor., bears N. and S.; desc. gradually.

12.90 Trail, bears NE. and SW.

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

By first set, 39.98 chs.

By second set, 40.02 chs., the mean of which is

40.00 On gentle E. slope, 20 ft. below ridge.

Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ cor. of sec. 34, with a brass cap marked

S C
¼ S 34

1918

Third Standard Parallel South, through Range 22 East.

chains	
	From which,
	A cedar, 12 ins. dia., bears N. 44½° W. 533 lks. dist., marked S C ¼ S 34 B T.
	A pinon, 12 ins. dia., bears N. 86½° W., 400 lks. dist., marked S C ¼ S 34 B T.
	No B. T. available in NE. ¼.
53.50	Enter dense cedar and pinon timber, bears N. and S.
57.90	Fork of Main Canyon, near head, 50 ft. below ¼ cor., drains N.; asc. gradually.
62.30	Leave timber, bears N. and S., thence over rolling bench land.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 2 lks.; position of middle point
	By first set, 79.99 chs.
	By second set, 80.01 chs. the mean of which is
80.00	On gentle E. slope, 20 ft. above fork of canyon.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 34 and 35, with a b brass cap marked
	S C T15S R22E S 34 | S 35 1918
	Raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
	Land, rolling bench land.
	Soil, sandy loam.
	Drainage, N. into Main Canyon.
	Timber, scattering cedars and pinon.
	Undergrowth, dense sagebrush and scattering wheat grass.
	Grazing, good on all of mile.
	East, on south bdy. of sec. 35.
	Asc. gradually over rolling bench land through dense undergrowth of sagebrush and scattering wheat grass.
5.00	Top of ridge, 20 ft. above sec. cor., bears N. and S., enter dense cedar and pinon timber, bears N. and S.,

chains	
11.60	Main Canyon near head, 200 ft. below ridge, drains N., trail in bottom of canyon, bears N. and S.; asc. gradually.
16.10	Low ridge, 100 ft. above canyon, bears N. and S.; desc. gradually.
17.60	Swale, 40 ft. below ridge, drains N.; asc. gradually.
34.40	Timber becomes scattering.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 4 lks.; position of middle point By first set, 40.02 chs. By second set, 39.98 chs. the mean of which is
40.00	On top of ridge, 50 ft. above swale, bears N. and S. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard $\frac{1}{4}$ cor. of sec. 35, with a brass cap marked S C $\frac{1}{4}$ S 35 1918 From which, A cedar, 10 ins. dia., bears N. $75\frac{1}{4}°$ E., 263 lks. dist., marked S C $\frac{1}{4}$ S 35 B T. A cedar, 18 ins. dia., bears N. $3\frac{1}{2}°$ W., 518 lks. dist., marked S C $\frac{1}{4}$ S 35 B T.
42.60	Begin abrupt descent over broken sandstone ledges, bears N. and S.; cedar and pinon timber becomes dense.
59.60	Canyon, 500 ft. below $\frac{1}{4}$ cor., drains N.; asc. abruptly.
64.40	Top of spur, 200 ft. above canyon, projects N., about 8.00 chs.; desc. abruptly.
75.80	Canyon, 75 ft. below spur, drains N., 4.00 chs., thence, NW.; asc. abruptly.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 12 lks.; position of middle point By first set, 80.06 chs. By second set, 79.94 chs., the mean of which is
80.00	On steep NW. slope, 70 ft. above canyon. Set an iron post 3 ft. long, 2 ins. dia., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone,

chains

for standard cor. of secs. 35 and 36, with a brass cap marked

S C
T15S R22E
S 35 | S 36

1918

From which,

A red pine, 12 ins. dia., bears N. 20½° E., 81 lks. dist., marked S C T15S R22E S 36 B T.

A pinon, 20 ins. dia., bears N. 31½° W., 53 lks. dist., marked S C T15S R22E S 35 B T.

Land, rolling bench land on first ½ mile, mountainous with outcroppings of sandstone ledges on last ½ mile.

Soil, sandy loam, mixed with loose broken sandstone.

Drainage, N.

Timber, dense on last ½ mile, scattering on first ½ mile.

Undergrowth, dense sagebrush and scattering wheat grass.

Grazing, good on all of mile,

East, on south bdy. of sec. 36.

Asc. abruptly over rough mountainous land through dense cedar and pinon timber and scattering undergrowth of sage and buck brush.

5.20 Spur, 250 ft. above sec. cor., projects N., about 10.00 chs., enter dense undergrowth of sage, service and oak brush.; desc. gradually.

16.50 Ravine, 40 ft. below spur, drains N.; asc. gradually.

17.20 Spur, 20 ft. above ravine, projects about 8.00 chs. NW.; desc. gradually.

25.50 Canyon, 140 ft. below spur, drains NW.; asc. abrupt E. slope.

31.00 Spur, 140 ft. above canyon, projects NW., about 4.00 chs.; desc. gradually.

Difference between measurement of 40.00 chs., by two sets of chainmen, is 4 lks.; position of middle point by first set; 39.95 chs.

chains	
	By second set, 40.02 chs., the mean of which is
40.00	On gentle E. slope, 60 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 14 ins. in the ground to solid rock, and 12 ins. in a mound of stone, for standard $\frac{1}{4}$ cor. of sec. 36, with a brass cap marked
	S C $\frac{1}{4}$ S 36 1918
	From which,
	A cedar, 8 ins. dia., bears N. 72½° E., 21 lks. dist., marked S C $\frac{1}{4}$ S 36 B T.
	A cedar, 8 ins. dia., bears N. 15° W., 16 lks. dist., marked S C $\frac{1}{4}$ S 36 B T.
55.00	Ravine, 50 ft. below $\frac{1}{4}$ cor., drains NW.; asc. gradually.
57.10	Slope becomes more abrupt.
75.30	Top of ridge, 200 ft. above ravine, bears N. and S.; desc. abruptly over sandstone ledges.
	Difference between measurement of 76.81 chs., by two sets of chainmen, is 8 lks.; position of middle point
	By first set, 76.77 chs.
	By second set, 76.85 chs., the mean of which is 76.81
	True point for standard Tp. cor., will fall on inaccessible ledges, therefore I establish witness corners as follows:
76.81	No iron post being available, set a sandstone rock, 40 x 18 x 10 ins., 30 ins. in a mound of stone, for witness cor. to standard cor. of T. 15 S., Rs. 22 and 23 E., marked, SC, WC, T15S and 6 grooves on N. face, R23E and 6 grooves on E. face and R22E and 6 grooves on W. face.
	From which,
	A pinon, 12 ins. dia., bears N. 71½° E., 20 lks. dist., marked WC SC T15S R22E S 36 B T.
	A pinon, 18 ins. dia., bears N. 39½° W., 62 lks. dist., marked WC SC T15S R22E S36 B T.
80.00	True point for cor., falls on inaccessible ledges; no cor. set.

chains

Land, mountainous with outcropping of sandstone ledges.

Soil, sandy loam mixed with loose broken sandstone.

Drainage, NW. into Main Canyon.

Timber, dense cedars and pinon.

Undergrowth, scattering sage and buck brush and scattering wheat grass.

Grazing, good on all of mile.

From the true point for standard cor. of T. 15 S., Rs. 22 and 23 E:

East, on the south bdy. of sec. 31.

Desc. abrupt SE. slope over sandstone ledges, into Main Canyon, through dense cedar and pinon and scattering red pine timber and undergrowth of scattering sagebrush and yellow top.

31.20 Main Canyon, dry, 660 ft. below ridge, drains N. 30° E., corral in bottom of canyon, bears SW., about 40.00 chs.

32.70 Trail in bottom of canyon, bears N. 30° E. and SW.; asc.

Difference between measurement of 40.00 chs., by two sets of chainmen, is 10 lks.; position of middle point

By first set, 39.95 chs.

By second set, 40.05 chs. the mean of which is

40.00 On top of spur, 120 ft. above canyon, projects N. about 3.00 chs.

Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard $\frac{1}{4}$ cor. of sec. 31, with a brass cap marked

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

1918

From which,

A cedar, 8 ins. dia., bears N. 63½° E., 56 lks. dist., marked S C $\frac{1}{4}$ S 31 B T.

A red pine, 10 ins. dia., bears N. 27° W., 54 lks. dist., marked S C $\frac{1}{4}$ S 31 B T.

Desc. gradually.

chains	
43.60	Fork of Main Canyon, 90 ft. below spur, drains N. 20° W.; asc. abruptly.
53.50	Spur, 540 ft. above canyon, projects NW. about 5.00 chs., enter dense buck brush, bears N. and S.; desc. gradually.
54.50	Ravine, 10 ft. below spur, drains NW.; asc. abruptly.
67.20	Spur, 360 ft. above ravine, projects NW., enter dense service and oak brush, bears N. and S.; desc. abruptly.
74.90	Canyon, 290 ft. below spur, drains NW.; asc. gradually.
	Difference between measurement of 50.00 chs., by two sets of chainmen, is 4 lks.; position of middle point
	By first set, 50.02 chs.
	By second set, 49.98 chs. the mean of which is
50.00	On gentle SW. slope, 110 ft. above canyon.
	Set an iron post 3 ft. long, 2 ins. dia., 10 ins. in the ground to solid rock, and 14 ins. in a mound of stone, for standard cor. of secs. 31 and 32, with a brass cap marked

S C
T15S R23E
S 31 | S 32

1918

From which,

A pinon, 10 ins. dia., bears N. 42¼° E., 72 lks. dist., marked S C T15S R23 E S 32 B T.

A pinon, 8 ins. dia., bears N. 72½° W., 147 lks. dist., marked S C T15S R23E S 31 B T.

Land, mountainous with outcroppings of sandstone ledges.

Soil, sandy loam, mixed with loose broken sandstone.

Drainage, NW. into Main and Sweet Water Canyons.

Timber, scattering red pine and dense cedar and pinon.

Undergrowth, dense service, sage and buck brush and scattering wheat grass.

Grazing, good on all of mile.

Third Standard Parallel South, through Range 23 East.

chains	
	East, on the south bdy. of sec. 32.
	Asc. gradually over mountainous land through dense cedar, and pinon timber and dense undergrowth of sage, service and oak brush.
12.20	Spur, 10 ft. above sec. cor., projects N. 20° W., cabin in Sweet Water Canyon bears N. 17¾° W., about 60.00 chs. dist.; desc. abruptly over steep E. slope.
27.90	Canyon, 440 ft. below spur, drains N. 10° E.; asc. abrupt- W. slope.
33.80	Spur, 200 ft. above canyon, projects N. 20° E.; desc. abruptly over steep E. slope.
40.00	True point for standard ¼ cor. of sec. 32, falls in loose sandstone rock: Cor. not set at this point.
	Difference between measurement of 46.14 chs., by two sets of chainmen, is 12 lks.; position of middle point
	By first set, 46.20 chs.
	By second set, 46.08 chs., the mean of which is
46.14	At foot of steep desc., on W. side of canyon, 760 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to standard ¼ cor. of sec 32, with a brass cap marked
	WC ¼ S C / S 32
	1918
	From which,
	A red pine, 24 ins. dia., bears N. 48½° W., 132 lks. dist., marked W C S C ¼ S 32 B T.
	A red pine, 30 ins. dia., bears N. 24° W., 192 lks. dist., marked W C S C ¼ S 32 B T.
	No NE. B. T. available.
49.40	Wash, 20 lks. wide, 2 ft. deep, in bottom of canyon, drains N. 20° W., 10 ft. below W. C. ¼ cor.; asc. grad- ually.
50.20	Trail, bears S. 20° E. and N. 20° W.
57.80	Spur, 290 ft. above canyon, projects N. 20° W., about 8.00 chs. dist.; desc. abrupt NE. slope.

Third Standard Parallel South, through Range 23 East.

chains	
58.00	Enter dense service and oak brush, bears N. and S.
64.80	Ravine, 100 ft. below spur, drains NW.; asc. gradually.
67.10	Spur, 90 ft. above ravine, projects NW., desc. gradually.
78.90	Canyon near head, 60 ft. below spur, drains NW.; asc. abruptly over broken SW. slope.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 20 lks.; position of middle point By first set, 80.10 chs. By second set, 79.90 chs., the mean of which is
80.00	On steep broken SW. slope, 20 ft. above canyon. Set an iron post 3 ft. long, 2 ins. dia., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for standard cor. of secs. 32 and 33, with a brass cap marked

S C
T15S | R23E
S 32 | S 33

1918

From which,

A yellow pine, 25 ins. dia., bears N. 52° E., 146 lks. dist., marked S C T15S R23E S 33 B T.

A red pine, 40 ins. dia., bears N. 40° W. 34 lks. dist. marked SC T15S R23E S32 BT

Land, mountainous with outcroppings of sandstone ledges.

Soil, sandy loam mixed with loose broken sandstone.

Drainage, NW.

Timber, dense cedars and pinon and scattering red and yellow pine.

Undergrowth, dense sagebrush, service and buck brush.

Grazing, good on all of mile.

East, on the south bdy. of sec. 33.

Asc. abruptly over broken SW. slope through dense cedar and pinon and scattering red pine timber and undergrowth of scattering sage, service, oak and buck brush.

34.90 Top of ridge, 430 ft. above sec. cor., bears NE. and SW.; desc. gradually over E. slope of ridge.

Chains	
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 24 lks.; position of middle point
	By first set, 40.12 chs.
	By second set, 39.88 chs. the mean of which is
40.00	On gentle E. slope, 140 ft. below ridge.
	Set an iron post 3 ft. long, 1 in. dia., 8 ins. in the ground to solid rock, and 18 ins. in a mound of stone, for standard ¼ cor. of sec. 33, with a brass cap marked
	S C ¼ S 33 1918
	From which,
	A red pine, 15 ins. dia., bears N. 44° E., 184 lks. dist., marked S C ¼ S 33 B T.
	A red pine, 20 ins. dia., bears N. 40° E., 162 lks. dist., marked S C ¼ S 33 B T.
	No B. T. in NW. available.
42.10	Canyon, 380 ft. below ¼ cor., drains NE., timber becomes scattering; asc. abrupt W. slope.
58.70	Top of ridge, 320 ft. above canyon, bears NE. and SW., desc. gradually.
70.80	Canyon, 290 ft. below ridge, drains NE.; asc. abrupt NW. slope.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 30 lks.; position of middle point
	By first set, 79.85 chs.
	By second set, 80.15 chs. the mean of which is
80.00	On top of spur, 195 ft. above canyon, projects NE.
	Set an iron post 3 ft. long, 2 ins. dia., 20 ins. in the ground to solid rock, and 4 ins. in a mound of stone, for standard cor. of secs. 33 and 34, with a brass cap marked
	S C T15S R23E S 33 | S 34 1918

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees within the required limits available.
	Land, mountainous.
	Soil, sandy, mixed with loose broken sandstone.
	Drainage, NE.
	Timber, dense cedar, pinon, yellow and few red pine on first ½ mile, scattering on last ½ mile.
	Undergrowth, scattering sage, service and buck brush.
	Grazing, good on all of mile.
	East, on the south bdy. of sec. 34.
	Desc. abruptly over rough mountainous land through scattering cedar and pinon timber, and scattering undergrowth of sage, service and buck brush and scattering wheat grass.
4.50	Ravine, 60 ft. below sec. cor., drains NE.; asc. gradually.
7.70	Spur, 10 ft. above ravine, projects NE.; desc. abruptly.
8.60	Enter scattering mahogany timber, bears NE. and SW.
18.35	Canyon, 450 ft. below spur, drains N. 30° E.; asc. abrupt NW. slope, timber becomes dense.
22.40	Point of spur, 260 ft. above canyon, projects NE.; desc. abrupt SE. slope of spur.
32.00	Enter dense aspen timber, bears NW. and SE.
34.00	Creek in bottom of Main Canyon, 15 lks. wide, 2 ins. deep, 150 ft. below point of spur, drains NW., leave all timber, bears NW. and SE.; asc. gradually.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 4 lks.; position of middle point
	By first set, 40.02 chs.
	By second set, 39.98 chs. the mean of which is
40.00	On gentle SW. slope, 20 ft. above creek.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ cor. of sec. 34, with a brass cap marked

chains

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

1918

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

58.70 Leave bottom of canyon and asc. over broken sandstone ledges, bears N. 60° W. and S. 60° E.

59.00 Rocky spur, 100 ft. above $\frac{1}{4}$ cor. projects SW.; desc.

59.90 Ravine, 20 ft. below spur, course S., enter dense cedar and pinon and scattering red and balsam pine timber, bears N. and S.; asc. abruptly.

68.20 Point of rocky spur, 220 ft. above ravine, projects S. 20° W.; desc. gradually over abrupt S. slope.

80.00 True point for cor. falls on ledges; no cor. set.

Difference between measurement of 80.24 chs., by two sets of chainmen, is 12 lks.; position of middle point

By first set, 80.18 chs.

By second set, 80.30 chs., the mean of which is

80.24 On broken abrupt S. slope, 30 ft. below spur.

Set an iron post 3 ft. long, 2 ins. dia., 4 ins. in the ground, to solid rock, and 20 ins. in a mound of stone, for witness cor. to standard cor. of secs. 34 and 35, with a brass cap marked

S C
T15S R23E
WC S 34 | S35

1918

From which,

A cedar, 16 ins. dia., bears N. $34\frac{1}{4}$° E., 38 lks. dist., marked WC S C T15S R23E S 35 B T.

A red pine, 18 ins. dia., bears N. 75° W., 47 lks. dist., marked WC S C T15S R23E S 34 B T.

Land, mountainous with outcroppings of sandstone ledges.

Soil, sandy loam, mixed with loose broken sandstone.

Drainage, NW. into Main Canyon.

Timber, dense cedars and pinon and scattering red pine and balsam.

Third Standard Parallel South, through Range 23 East.

chains	
	Undergrowth, scattering sage, service, buck and oak brush.
	Grazing, good on all of mile.

	From the true point for standard cor. of secs 34 and 35.
	East, on the south bdy. of sec. 35.
	Desc. gradually over broken abrupt S. slope, through dense cedar, pinon and red pine timber and scattering undergrowth of sage, mahogany, service and buck brush.
.24	The W.C. for standard cor. secs. 34 and 35.
10.50	Bottom of canyon, 60 ft. below W. C. sec. cor., course SW., timber becomes scattering, enter dense oak brush, bears NE. and SW.; asc. abrupt NW. slope.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 12 lks.; position of middle point
	By first set, 39.94 chs.
	By second set, 40.06 chs., the mean of which is
40.00	On gentle NW. slope, 525 ft. above canyon.
	Set an iron post 3 ft. long, 1 in. dia., 10 ins. in the ground, to solid rock, and 16 ins. in a mound of stone, for standard ¼ cor. of sec. 35, with a brass cap marked
	S C ¼ S 35 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees within the required limit available.
52.00	Top of ridge, 70 ft. above ¼ cor., bears SW. and NE.; desc. gradually into fork of Main Canyon.
61.60	Fork of Main Canyon near head, 90 ft. below ridge, course S.; asc. gradually.
69.40	Spur, 150 ft. above canyon, projects SW.; desc. gradually
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 12 lks.; position of middle point
	By first set, 80.06 chs.
	By second set, 79.94 chs. the mean of which is
80.00	On gentle E. slope, 60 ft. below spur.
	Set an iron post 3 ft. long, 2 ins. dia., 10 ins. in the ground to solid rock, and 14 ins. in a mound of stone,

Chains	
	for standard cor. of secs. 35 and 36, with a brass cap marked S C T15S R23E S 35 | S 36 1918
	Raise a mound of stone, 2 ft. base. 1½ ft. high, N. of cor.
	No bearing trees within the required limit available.
	Land, mountainous with outcroppings of sandstone ledges.
	Soil, sandy loam, mixed with loose, broken sandstone.
	Drainage, S.
	Timber, scattering cedars, pinon and red pine; dense on W. 10.50 chs.
	Undergrowth, scattering sage, service, buck, mahogany and oak brush.
	Grazing, good on all of mile.
	East, on the south bdy. of sec. 36.
	Desc. gradually over rough mountainous land, through scattering cedar, pinon and red pine timber and dense undergrowth of sage, service, oak and buck brush and scattering wheat grass.
1.80	Fork of Main Canyon near head, 20 ft. below sec. cor., course SW.; asc. gradually.
16.00	Top of divide between Main Canyon and Sweet Water canyon, bears SE. and N. 20° W.; desc. gradually.
18.50	Road, bears SE. and N. 20° W.
26.45	Fork of Sweet Water Canyon, 65 ft. below divide, course N. 20° E.; asc. abruptly.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 10 lks.; position of middle point By first set, 39.95 chs. By second set, 40.05 chs. the mean of which is
40.00	On top of ridge, 130 ft. above canyon, bears N. and S. Set an iron post 3 ft. long, 1 in. dia.; 12 ins. in the ground to solid rock, and 14 ins. in a mound of stone, for standard 1 cor. of sec. 36, with a brass cap marked

chains

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

1918

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

No bearing trees within the limit available.

50.40 Ravine, 105 ft. below $\frac{1}{4}$ cor., course NE.; asc. gradually.

60.10 Spur, 65 ft. above ravine, projects NE., about 6.00 chs.; desc. gradually.

64.30 Ravine, 30 ft. below spur, course, NE.; asc. gradually.

64.70 Low spur, 10 ft. above ravine, projects NE., about 4.00 chs.; desc. gradually.

72.90 Bottom of Sweet Water Canyon, 140 ft. below spur, course NE., clear stream of good water, 2 lks. wide, 2 ins. deep, in bottom of canyon; from this point, a small spring bears N., 2.00 chs. dist., another bears S., 2.00 chs. dist.; asc. gradually.

79.30 Trail, bears NE. and SW.

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

By first set, 80.02 chs.

By second set, 79.98 chs., the mean of which is

80.00 On gentle SW. slope, 40 ft. above canyon.

Set an iron post 3 ft. long, 3 ins. dia., 24 ins. in the ground, for standard cor. of T. 15 S., Rs. 23 and 24 E., with a brass cap marked

S C
T15S
R23E R24E
S 36 | S 31

1918

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

No bearing trees within the required limit available.

Land, mountainous.

Soil; sandy loam.

Drainage, NE., into Sweet Water Canyon.

chains	
	Timber, scattering cedars, pinon and red pine.
	Undergrowth, dense sage, buck, service and oak brush.
	Grazing, good on all of mile.
	East, on the south bdy. of sec. 31.
	Asc. gradually over rolling mountains, through dense undergrowth of sage, oak, sevice and buck brush, and scattering cedar and pinon timber.
27.70	Fork of Sweet Water Canyon near head, 165 ft. below sec. cor., course NW.; asc. gradually.
32.00	Low ridge, 75 ft. above fork of canyon, bears NW. and SE.; desc. gradually.
37.80	Fork of Sweet Water Canyon, 60 ft. below ridge, course NW.; asc. gradually.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 18 lks.; position of middle point
	By first set, 40.09 chs.
	By second set, 39.91 chs., the mean of which is
40.00	On gentle W. slope, 65 ft. above fork of canyon.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard $\frac{1}{4}$ cor. of sec. 31, with a brass cap marked
	S.C $\frac{1}{4}$ S 31 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No bearing trees within the required limit available.
50.00	Low ridge, 150 ft. above $\frac{1}{4}$ cor, bears NE. and SW.; desc. gradually.
61.00	Fork of Sweet Water Canyon, 230 ft. below ridge, course NE.; asc. gradually.
66.00	Spur, 180 ft. above canyon, projects NW., about 6.00 chs.; desc. gradually.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 6 lks.; position of middle point
	By first set, 80.03 chs.

chains

By second set, 79.97 chs., the mean of which is

80.00 On gentle W. slope at head of swale, 350 ft. below spur, course, NW.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 31 and 32, with a brass cap marked

S C
T15S R24E
S 31 | S 32

1918

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

No bearing trees within the required limit available.

Land, rolling mountains.

Soil, sandy loam, mixed with loose broken sandstone.

Drainage, NW. into Sweet Water Canyon.

Timber, scattering cedars and pinon.

Undergrowth, dense sage, service and buck brush and scattering wheat grass.

Grazing, good on all of mile.

East, on the south bdy. of sec. 32.

Asc. gradually over rolling mountains, through scattering cedar, pinon, red and balsam pine timber and scattering undergrowth of sage, service, oak and buck brush.

13.40 Spur, 105 ft. above sec. cor., projects N.; desc. gradually.

19.20 Swale, 10 ft. below spur, course N.; asc. gradually.

28.80 Spur, 40 ft. above swale, projects N.; desc. gradually.

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

By first set, 39.97 chs.

By second set, 40.03 chs. the mean of which is

40.00 On gentle E. slope, 265 ft. below spur.

Set an iron post 3 ft. long, 1 in. dia., 8 ins. in the ground to solid rock, and 18 ins. in a mound of stone, for standard ¼ cor. of sec. 32, with a brass cap marked

chains	
	S C ¼ S 32 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees within the required limit available.
56.90	Fork of Sweet Water Canyon, 260 ft. below ¼ cor., course NE.; asc. gradually.
57.00	Trail, bears NE. and SW.
58.30	Enter dense cedar, pinon and aspen timber, bears N. and S.
67.20	Spur, 260 ft. above canyon, projects N. 20° W., abput 7.00 chs.; desc. abruptly, through scattered timber.
74.20	Small stream of good water, 1 lk. wide, 1 in. deep, in bottom of fork of Sweet Water Canyon, 205 ft. below spur, course NW.; from this point a small spring of good water, bears S., 5.00 chs. dist.; asc. abruptly.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 4 lks.; position of middle point By first set, 80.02 chs. By second set, 79.98 chs. the mean of which is
80.00	On gentle W. slope, 220 ft. below spur.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 32 and 33, with a brass cap marked S C T15S R24E S 32 | S 33 1918
	From which,
	A balsam pine, 10 ins. dia., bears N. 62° W., 194 lks. dist., marked S C T15S R24E S 32 B T.
	No bearing tree in the NE. sec. available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land, rolling mountains.
	Soil, sandy loam.

chains	
	Drainage, NW. into Sweet Water Canyon.
	Timber, scattering cedar, pinon and balsam pine with a patch of dense cedar, pinon and aspen.
	Undergrowth, scattering sage, buck, service and oak brush.
	Grazing, good on all of mile.
	East, on the south bdy. of sec. 33.
	Asc. gradually over rolling mountains, through scattering cedar, pinon and aspen timber and scattering undergrowth of sage, buck, service and oak brush.
5.60	Top of ridge, 250 ft. above sec. cor., bears N. and S.; desc. abrupt E. slope.
18.90	Fork of Sweet Water Canyon, 500 ft. below ridge, course NW.; asc. abruptly.
	Difference between measurement of 40.00 chs., by two sets of chainmen, is 4 lks.; position of middle point
	By first set, 39.98 chs.
	By second set, 40.02 chs. the mean of which is
40.00	On abrupt W. slope, 565 ft. above canyon.
	Set an iron post 3 ft. long, 1 in. dia., 6 ins. in the ground to solid rock, and 20 ins. in a mound of stone, for standard ¼ cor., of sec. 33, with a brass cap marked
	S C ¼ S 33 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees within the required limit available.
42.00	Slope becomes less abrupt.
46.50	Spur, 40 ft. above ¼ cor., projects NW.; desc. gradually.
48.80	Fork of Sweet Water Canyon, 50 ft. below spur, course NW.; asc. gradually.
56.00	Top of ridge, 25 ft. above canyon, bears NW. and SE.; desc. gradually.
77.30	Fork of Sweet Water Canyon, 510 ft. below ridge, course NE.; asc gradually.
	Difference between measurement of 80.00 chs., by two sets

chains

of chainmen, is 16 lks.; position of middle point

By first set, 39.92 chs.

By second set, 40.08 chs., the mean of which is

40.00 On gentle W. slope, 50 ft. above canyon.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 33 and 34, with a brass cap marked

S C
T15S R24E
S 33 | S 34

1918.

From which,

A aspen, 8 ins. dia., bears N. 15½° E., 48 lks. dist., marked S C T15S R24E S 34 B T.

A aspen, 8 ins. dia, bears N. 45½° W., 84 lks. dist.; marked S C T15S R24E S 33 B T.

Land, rolling mountains.

Soil, sandy loam.

Drainage, NW. into Sweet Water Canyon.

Timber, scattering cedars, pinon and aspen.

Undergrowth, scattering sage, service, oak and buck brush.

Grazing, good on all of mile.

East, on the south bdy. of sec. 34.

Asc. gradually over rolling mountains, through scattering cedar aspen and pinon timber and dense undergrowth of service, buck, oak and sage brush.

11.30 Spur, 210 ft. above sec. cor., projects NW., about 7.00 chs.; leave aspen timber; desc. gradually.

23.50 Trail, bears N. and S.

26.00 Canyon, 250 ft. below spur, course N.; asc. abruptly.

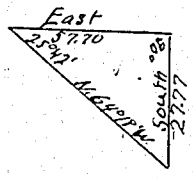
Difference between measurement of 40.00 chs., by two sets of chainmen, is 10 lks.; position of middle point

By first set, 39.95 chs.

By second set, 40.05 chs. the mean of which is

40.00 On gentle W. slope, 310 ft. above canyon.

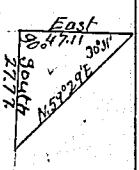
chains	
	Set an iron post 3 ft. long, 1 in. dia., 10 ins. in the ground to solid rock, and 16 ins. in a mound of stone, for standard $\frac{1}{4}$ cor. of sec. 34, with a brass cap marked
	S C $\frac{1}{4}$ S 34 1918
	From which,
	A pinon, 5 ins. dia., bears N. $42\frac{3}{4}°$ W., 99 lks. dist., marked S C $\frac{1}{4}$ S 34 B T.
	No NE. bearing tree available. Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
58.70	Ridge, 370 ft. above $\frac{1}{4}$ cor., bears N. and S.; desc. abruptly.
60.30	Erect flag for triangulation point.
73.70	Fork of Sweet Water Canyon, 410 ft. below ridge, course N. 30° E.; asc. abrupt W. slope.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 2 lks.; position of middle point
	By first set, 80.01 chs.
	By second set, 79.99 chs. the mean of which is
80.00	On abrupt W. slope, 150 ft. above canyon.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 34 and 35, with a brass cap marked
	S C T15S R24E S 34 | S 35 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No bearing trees within the required limit available.
	Land, rolling mountains.
	Soil, loose sandy loam.
	Drainage, N., into Sweet Water Canyon.
	Timber, scattering cedars, pinon and aspen.
	Undergrowth, dense sage, service, oak and buck brush.
	Grazing, good on all of mile.

chains	
	East, on the south bdy. of sec. 35.
	Asc. abruptly over rough mountainous land, through scattering cedar and pinon timber and dense undergrowth of sage, buck, service and oak brush.
	High sandstone ledges making it impossible to chain E. from sec. cor., I determine the distance as follows:
	Return to the flag at 60.30 chs. point, on S. bdy. of sec. 34, and erect a flag E. on top of high rocky ridge; from this flag, I run a base line S., 27.77 chs. dist. and erect a flag. From this flag, the flag at 60.30 chs. point, bears N. 64°18' W.; therefore, 27.77 x tan. 64° 18' or 2.07785=57.70 chs. 57.70 chs.— 19.70 chs.= 38.00 chs. or dist. from standard cor. of secs. 34 and 35 to point of triangulation. 
	Approximate topography between standard cor. of secs. 34 and 35, and point of triangulation.
8.00	Spur, 240 ft. above sec. cor., projects N.; desc. abrupt E. slope.
23.00	Fork of Sweet Water Canyon, 580 ft. below spur, course, N.; asc. abrupt W. slope.
38.00	To point of triangulation, on top of ridge, 590 ft. above canyon, bears N. and S.: Being able to see that it is impossible to set ¼ cor. on line at true point, owing to impassable sandstone ledges:
	Set an iron post 3 ft. long, 1 in. dia., 20 ins. in the ground, and 6 ins. in a mound of stone, for witness cor. to standard ¼ cor. of sec. 35, with a brass cap marked,
	S C WC ¼ S 35 1918
	From which,
	A pinon, 14 ins. dia., bears N. 10° W., 181 lks. dist., marked W C S C ¼ S 35 B T.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. No other bearing trees available.
40.00	Point for ¼ sec. cor. Cor. not set.

chains

No other bearing tree available.

It is impossible to chain E. from W.C. to ¼ cor. on account of broken sandstone ledges, therefore I determine the distance as follows across a fork of Sweet Water to a high ridge; set a flag E. on top of ridge and from from flag on S. end of base line, used in the previous triangulation, latter flag bears N. 59°29' E., the distance is therefore,



27.77 chs. x tan. 59°29' or 1.69653 = 47.11 chs.

47.11 chs. + 38.00 chs. = 85.11 chs. or distance to point of triangulation; measure W., 5.11 chs. and set cor. at true point.

Approximate topography between witness ¼ cor. and true point for standard cor. of secs. 35 and 36:

57.00 Fork of Sweet Water Canyon, 600 ft. below witness ¼ cor., course N.; asc. abruptly over sandstone ledges.

80.00 Near top of ridge, 550 ft. above canyon.

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

S C
T15S R24E
S 35 | S 36

1918

From which,

A pinon, 10 ins. dia., bears N. 42½° W., 293 lks. dist., marked S C T15S R24E S 35 B T.

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

No other bearing trees available.

Land, mountainous with outcroppings of sandstone ledges.

Soil, sandy loam, mixed with loose broken sandstone.

Drainage, N. into Sweet Water Canyon.

Timber, scattering cedars and pinon.

Undergrowth, dense sage, service, buck and oak brush.

Grazing, good on all of mile.

Third Standard Parallel South, through Range 24 East.

chains

East, on the south bdy. of sec. 36.

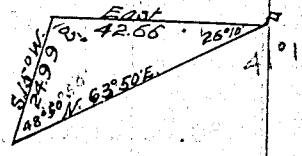
Desc. gradually over mountainous land, through scattering cedar and pinon timber and dense undergrowth of sage, service, oak and buck brush.

5.11 To flag for point of triangulation.

8.10 Top of steep descent over sandstone ledges, bears N. and S., which are impossible to chain over, I therefore determine the distance as follows; return to the flag at 5.11 chs. point and erect a flag E. on line across fork of Sweet Water Canyon; from the 5.11 chs. point, run base line, S. 15° W., 24.99 chs. dist., and erect flag, from this flag, the flag E. on line bears N. 63° 50' E., the distance is therefore;

log. 24.99 + log. sin. 48° 50' — log. sin. 26° 10' =

log. 24.99 = ...1.397766
log. sin. 48° 50' = ...9.876678
11.274444
log. sin. 26° 10' = ...9.644423
1.630021
number corresponding = ...42.66



42.66 chs. + 5.11 chs. = 47.77 chs., or distance to point of triangulation.

Approximate topography between 5.11 chs. point and point of triangulation:

32.00 Fork of Sweet Water Canyon, 420 ft. below sec. cor., course N. 20° W., asc. abrupt W. slope.

40.00 Point for ¼ cor. falls on steep W. slope in loose slide rock, cor. not set.

47.77 Point of triangulation on steep W. slope in loose slide rock, unable to set cor. at this point.

48.47 On steep W. slope near top of spur, 360 ft. above canyon. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to standard ¼ cor. of sec. 36, with a brass cap marked

S C
WC ¼ S 36

1918

From which,

A pinon, 6 ins. dia., bears N. 5¾° E., 50 lks. dist.,

chains	
	marked W C S C ¼ S 36 B T.
	A pinon, 14 ins. dia., bears N. 6½° W., 45 lks. dist., marked W C S C ¼ S 36 B T.
50.20	Top of spur, 40 ft. above witness ¼ cor.; projects N. 40° W. about 60.00 chs. dist.; desc. abrupt NE. slope.
67.60	Small stream of muddy water, 1 lk. wide, 3 ins. deep, in bottom of fork of Sweet Water Canyon, 480 ft. below spur, course N. 20° E.; from this point a cabin in bottom of same canyon, bears S. 20° W. about 20.00 chs. dist.; a small spring of clear water is by cabin; asc. abrupt W. slope.
	Difference between measurement of 80.00 chs., by two sets of chainmen, is 26 lks.; position of middle point
	By first set, 79.87 chs.
	By second set, 80.13 chs. the mean of which is
80.00	On steep W. slope, 400 ft. above canyon.
	Set an iron post 3 ft. long, 3 ins. dia., 18 ins. in the ground to solid rock, and 6 ins in a mound of stone, for standard cor. of T. 15 S., Rs. 24 and 25 E., with a brass cap marked

S C
T15S
R24E R25E
S 36 | S 31

1918

chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees within the required limit available.
	Land, mountainous broken with outcroppings of sandstone ledges and deep canyons.
	Soil. sandy loam, mixed with loose, broken sandstone.
	Drainage, N. into Sweet Water Canyon.
	Timber, scattering cedars and pinon.
	Undergrowth, dense service, sage, oak and buck brush.
	Grazing, good on all of mile.

Third Standard Parallel South, through Range 25 East.

chains	
	East, on the south bdy. of sec. 31.
	Asc. abruptly over rough mountainous land, through scattering cedar and pinon timber and dense undergrowth of service, buck, sage and oak brush.
5.10	Spur, 160 ft. above Tp. cor., projects S. 20° W., about 8.00 chs., desc. gradually.
16.50	Fork of Sweet Water Canyon, 240 ft. below spur, course S. 20° W.; asc. abruptly.
31.80	Divide between Sweet Water Canyon and Chapeta Canyon, 280 ft. above canyon, bears N. and S.; desc. abruptly.
40.00	On steep E. slope, 275 ft. below top of divide.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ cor. of sec. 31, with a brass cap marked
	S C ¼ S 31 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees within the required limit available.
47.30	Fork of Chapeta Canyon, 230 ft. below ¼ cor., course N. 20° E.; asc. abruptly.
60.50	Spur, 420 ft. above canyon, projects N. 20° E., about 15 chs. dist.; desc. abrupt E. slope.
71.20	Ravine, 360 ft. below spur, course NE.; asc. gradually.
73.80	Spur, 65 ft. above ravine, projects NE.; desc. gradually.
78.30	Fork of Chapeta Canyon, 65 ft. below spur, course NW.; enter scattering aspen timber, bears N. and S.; asc.
80.00	On gentle W. slope, 10 ft. above bottom of canyon.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 31 and 32, with a brass cap marked
	S C T15S R25E S 31 | S 32 1918

chains	
	From which,
	A aspen, 5 ins. dia., bears N. 80½° W., 212 lks. dist., marked S C T15S R25E S 31 B T.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No NE. bearing tree available.
	Land, mountainous, broken by deep canyons.
	Soil, shallow sandy loam.
	Drainage, NE. and NW. into Chapeta Canyon.
	Timber, scattering cedars, pinon and aspen.
	Undergrowth, dense sage, service, buck and oak brush.
	Grazing, good on all of mile.
	East, on the south bdy. of sec. 32.
	Asc. gradually over mountainous land through scattering cedar, pinon and aspen timber and scattering undergrowth of service, buck, sage and oak brush.
7.50	Spur, 350 ft. above sec. cor., projects SW.; desc. gradually.
10.52	Ravine, 40 ft. below spur, course SW.; asc. abrupt W. slope.
22.30	Ridge, 410 ft. above ravine bears N. 20° W. and S. 20° E.; desc. gradually.
27.10	Ravine, 60 ft. below ridge, course NE.; asc. gradually.
33.30	Spur, 90 ft. above ravine, projects NE.; desc. abrupt SE. slope.
40.00	On abrupt SE. slope, 180 ft. below spur,
	Set an iron post 3 ft. long, 1 in. dia., 8 ins. in the ground to solid rock, and 18 ins. in a mound of stone, for standard ¼ cor. of sec. 32, with a brass cap marked
	S C ¼ S 32 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees within the required limit available.

Third Standard Parallel South, through Range 25 East.

chains	Miles
51.10	Aspen timber becomes dense, bears N. and S.
55.57	Fork of Chapeta Canyon, 410 ft. below ¼ cor.; course N. 30° W.; asc. gradually through dense aspen timber.
59.10	Spur, 100 ft. above canyon, projects N. 20° E. about 3.00 chs. dist.; desc. gradually.
62.70	Fork of Chapeta Canyon, 70 ft. below spur, course N.; asc. steep W. slope.
76.20	Spur, 310 ft. above canyon, projects N. 20° E. about 10.00 chs.; desc. gradually.
80.00	On gentle NE. slope, 30 ft. below spur.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 32 and 33, with a brass cap marked.

S C
T15S R25E
S 32 | S 33

1918

From which,

A aspen, 4 ins. dia., bears N. 1° E., 60 lks. dist., marked S C T15S R25E S 33 B T:

A aspen, 5 ins. dia., bears N. 50° W., 76 lks. dist., marked S C T15S R25E S 32 B T.

Land, mountainous, broken with deep canyons.

Soil, shallow sandy loam.

Drainage, N. into Chapeta Canyon.

Timber, scattering cedars and pinon and dense aspen.

Undergrowth, scattering sage, buck, service and oak brush.

Grazing, good on all of mile.

East, on the south bdy. of sec. 33.

Desc. abruptly over rough mountainous land through scattering cedars and pinon and dense aspen timber and dense undergrowth of sage, service, buck and oak brush.

7.50	Fork of Chapeta Canyon, 190 ft. below sec. cor., course N.; asc. abrupt W. slope.
8.90	Timber becomes scattering, bears N. and S.
20.60	Top of ridge, 460 ft. above canyon, bears N. and S.; desc.

Third Standard Parallel South, through Range 25 East.

chains

39.20 Trail in bottom of canyon, 520 ft. below ridge, trail bears N. and S., course of canyon, N.; asc. gradually.

40.00 On gentle E. slope, 10 ft. above bottom of canyon. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ cor. of sec. 33, with a brass cap marked

S C
¼ S 33

1918

From which,

A aspen, 6 ins. dia., bears N. 4° E., 154 lks. dist., marked S C ¼ S 33 B T.

A aspen, 5 ins. dia., bears N. 2° W., 172 lks. dist., marked S C ¼ S 33 B T.

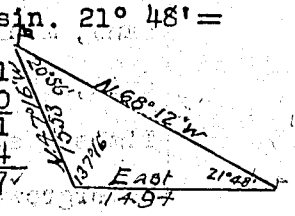
43.40 Spur, 60 ft. above canyon, projects about 5.00 chs. N.; desc. abruptly.

46.20 Canyon, 60 ft. below spur, course N. 30° W.; asc. gradually.

48.19 Foot of steep broken ascent, 30 ft. above canyon, bears N. and S., which is impossible to chain over, I therefore determine the distance as follows; set a flag E. on line at top of spur and from the 48.19 chs. point run base line N. 47°16' W., 15.53 chs. dist. and erect a flag. From flag at top of spur, latter flag bears N. 68°12' W.; the distance is therefore,

log. 15.53 + log.sin. 20° 56' — log.sin. 21° 48' =

log. 15.53 = ... 1.191171
log.sin. 20° 56' = ... 9.553010
10.744181
log.sin. 21° 48' = ... 9.569804
1.174377
number corresponding = ... 14.94



14.94 chs. + 48.19 chs = 63.13 chs., or distance to point of triangulation. Note; no other base could be obtained for this triangulation.

63.13 To point of triangulation near top of spur.

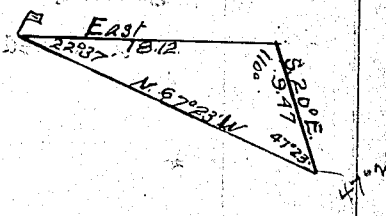
64.27 Top of spur, 460 ft. above canyon, projects N. 30° W.; it being impossible to chain E. from this point on account of broken sandstone ledges on steep NE. slope, I determine the distance as follows; erect a flag at

chains

this point and one E. on line at foot of steep descent. From latter flag, run base line S. 20° E., 9.47 chs. dist.; from this flag, flag at the 64.27 chs. point on line bears N. 67°23' W.; the distance is therefore,

log. 9.47 + log.sin. 47° 23' − log.sin. 22° 37' =

log. 9.47 = ... 0.976350
log.sin. 47° 23' = .. 9.866819
10.843169
log.sin. 22° 37' = ... 9.584968
1.258201
number corresponding = 18.12



18.12 chs. + 64.27 chs. = 82.39 chs. or distance to point of triangulation; measure W. 2.39 chs.

80.00 On gentle NE. slope at foot of steep descent, 410 ft. below spur.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 33 and 34, with a brass cap marked

S C
T15S R25E
S 33 | S 34
1918

From which,

An aspen, 6 ins. dia., bears N. 64° E., 20 lks. dist., marked S C T15S R25E S 34 B T.

An aspen, 6 ins. dia., bears N. 67° W., 22 lks. dist., marked S C T15S R25E S 33 B T.

Land, mountainous with outcroppings of sandstone ledges.
Soil, shallow sandy loam and loose sandstone rock.
Timber, scattering cedars, pinon and dense aspen.
Undergrowth, dense service, sage, oak and buck brush.
Grazing, good on all of mile.

East, on the south bdy. of sec. 34.

Asc. abruptly over rough mountainous land through scattering cedar, pinon and red pine timber and dense undergrowth of sage, service, buck and oak brush.

3.10 Head of ravine, 45 ft. below sec. cor., course N.; asc. abruptly.

Third Standard Parallel South, through Range 25 East.

chains	
30.00	Top of high ridge which is the divide between the White and Grand Rivers, 680 ft. above ravine, bears NE. and SW.; desc. abrupt SE. slope.
30.22	Trail, bears NE. and SW.
40.00	On steep SE. slope, 240 ft. below ridge.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ cor. of sec. 34, with a brass cap marked
	S C ¼ S 34 1918.
	From which,
	A pinon, 10 ins. dia., bears N. 24½° E., 157 lks. dist., marked S C ¼ S 34 B T.
	A pinon, 14 ins. dia., bears N. 11° E., 180 lks. dist., marked S C ¼ S 34 B T.
	No NW. bearing tree available.
43.65	Ravine, 90 ft. below ¼ cor., course S. 30° W.; asc. abrupt NW. slope.
47.75	Spur, 110 ft. above ravine, projects S. 20° E. desc. abruptly over sandstone ledges.
55.40	Leave all timber, bears N. and S.
57.86	Oak brush becomes dense, killed in places by fire, bears N. and S.
80.00	On gentle E. slope, 890 ft. below spur.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. of secs. 34 and 35, with a brass cap marked
	S C T15S R25E S 34 | S35 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land, mountainous broken with deep canyons and outcroppings of sandstone ledges.
	Soil, shallow sandy loam.

chains

Timber, scattering cedars pinon and red pine on first part of mile, no timber on last part of mile.

Undergrowth, dense sage service, oak and buck brush.

Grazing, good on all of mile.

East, on the south bdy. of sec. 35.

Asc. abruptly over steep W. slope of ridge, through scattering cedar and pinon timber and dense undergrowth of buck service, sage and oak brush.

7.50 Hollow, 115 ft. below sec. cor., course S. 20° E.; asc. abrupt W. slope.

40.00 On steep W. slope, 950 ft. above hollow.

Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ cor. of sec. 35, with a brass cap marked

S C
¼ S 35

1918

From which,

A cedar, 6 ins. dia., bears N. 80° E., 85 lks. dist., marked S C ¼ S 35 B T.

A cedar, 6 ins. dia., bears N. 25° W., 62 lks. dist., marked S C ¼ S 35 B T.

53.50 Top of ridge, 320 ft. above ¼ cor., bears S. 30° E. and N. 30° W.; desc. gradually.

80.00 On gentle NE. slope, 185 ft. below ridge.

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

S C
T15S R25E
S 35 | S 36

1918

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

No bearing trees within the required limit available.

Land, mountainous broken with deep canyons.

Third Standard Parallel South, through Range 25 East.

chains	
	Soil, shallow sandy loam and loose sandstone rock.
	Drainage, S.
	Timber, scattering cedars and pinon.
	Undergrowth, dense sage, service, oak and buck brush.
	Grazing, good on all of mile.
	East, on the south bdy. of sec. 36.
	Desc. gradually into Hell's Hole Canyon through scatter-cedar, pinon and red pine timber and dense undergrowth sage, service, oak and buck brush.
28.50	Gulch, 450 ft. below sec. cor., course N. 30° E., asc. gradually.
40.00	On gentle NW. slope, 75 ft. above gulch, on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for standard ¼ cor. of sec. 36, with a brass cap marked
	S C ¼ S 36 1918
	From which,
	A pinon, 6 ins. dia., bears N. 80° E., 20 lks. dist., marked S C ¼ S 36 B T.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No NW. bearing tree available.
44.40	Spur, 80 ft. above ¼ cor., projects NE.; desc. abruptly into Hell's Hole Canyon.
55.50	Hell's Hole Canyon, 850 ft. below spur, course S. 45° E.; asc. broken SW. slope.
80.00	On top of spur, 910 ft. above canyon.
	Set an iron post 3 ft. long, 3 ins. dia., 24 ins. in the ground, for standard cor. of T. 15 S., Rs. 25 and 26 E., with a brass cap marked
	S C T15S R25E R26E S 36 | S 31 1918

chains	
	From which,
	A cedar, 12 ins. dia., bears N. 37½° E., 77 lks. dist., marked S C T15S R26E S 31 B T.
	A cedar, 10 ins. dia., bears N. 61½° W., 9 lks. dist., marked S C T15S R25E S 36 B T.
	Land, rough and mountainous broken by deep canyons
	Soil, shallow sandy loam and loose sandstone rock.
	Drainage, SW. and NE. into Hell's Hole Canyon.
	Timber, scattering cedars, pinon and red pine.
	Undergrowth, dense sage, service, oak and buck brush.
	Grazing, good on all of mile.
	East, on the south bdy. of sec. 31.
	Desc. abruptly over sandstone ledges through scattering cedar and pinon timber and dense undergrowth of oak, service and buck brush.
2.30	Begin abrupt descent over sandstone ledges into deep canyon.
11.50	Bottom of canyon, 330 ft. below top of descent, course S. 20° E.; asc. abrupt W. slope.
26.55	On steep W. slope, 620 ft. above canyon, intersect the Utah and Colorado State Boundary Line, 43.35 chs. N. 0°07' W. of E. C. to 169 mile post, which is a sandstone 12 x 12 x 8 ins. firmly set in a mound of stone, marked 1885 on N. face, C on E. face, M WC on S. face and U on W. face; at point of intersection, it being impossible get an iron post;
	Set a hard white sandstone, 30 x 24 x 6 ins., 22½ ins. in a mound of stone, marked CC SC T15S R26E S 31 UT 1918 on W. C 170 M P on E. face.
	From which,
	A cedar, 12 ins. dia., bears N. 15¼° W., 78 lks. dist., marked CC SC T15S R26E S 31 B T.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor .
	Land, mountainous broken with outcroppings of sandstone ledges.

chains

Soil, shallow sandy loam.

Drainage, S. 20° E.

Timber, scattering cedars and pinon.

Undergrowth, dense service, buck and oak brush.

Grazing, good on all of mile.

GENERAL DESCRIPTION.

Through ranges 21, 22 and 23 this line runs across low rolling mountain tops broken by wide canyons part of which contain small streams of good clear water, while high mountain ridges broken by sandstone ledges and deep canyons, are traversed through ranges 24, 25 and 26.

The soil along all of the ranges on the mountain sides and tops is a shallow sandy loam with much loose sandstone rock. In the bottoms of the wide canyons the soil is a deep sandy loam suitable for farming purposes.

A scattering growth of cedar, pinon, aspen, balsam and red pine timber and a dense undergrowth of sage, service, buck and oak brush and scattering grass is found along this line. On both sides of the line, there is good grazing for stock during the summer months but deep snow prevents it being used as a winter range.

The highest point along the line is on the S. bdy. of sec. 34, R. 25 E., which is the top of a high ridge, which forms the divide between the White and Grand Rivers. The elevation of this divide where line crosses it, is about 8500 ft. above sea level.

The only parts of the land which this line crosses which is suitable for farming is in the bottoms of the wide canyons, while the rest is suitable for a summer grazing range only.

Ellis Bird

U.S. Transitman.

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Page

BOOK A-442

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
E.S. Manion	Chainman
Donald Kimball	Chainman
Barney Isenhour	Chainman
Virgil Fisher	Chainman
Wilford Williams	Chainman
Guy Bird	Chainman
Jessie Sloan	Cornerman
Elmer Lampshire	Flagman

6—2764

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ TRANSITMEN.

We ~~I~~, Elliot Bird & Lyman Bolinger ~~U. S. Surveyor~~ 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 sixth day of August, 1915, ~~I~~ We have well, faithfully, and truly in ~~my~~ our 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 Third Standard Parallel South, through ranges 21, 22, 23, 24, 25 and 26 east.

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~~ us, and under ~~my~~ our 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.

Elliot Bird
U. S. Surveyor.
Lyman E. Bolinger
U.S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, January 29, 1921.

The foregoing field notes of the survey of the Third Standard Parallel South, through Ranges 21, 22, 23, 24, 25, and 26 East of the Salt Lake Base and Meridian, Utah,

executed by Elliot Bird and Lyman E. Bolinger

under ~~his~~ special instructions dated August 6, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A. A. 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.

6—2764

U. S. Surveyor General.

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Page

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Page

4—679

BOOK A-442 F.

FIELD NOTES

OF THE SURVEY OF THE

NORTH, EAST, AND WEST BOUNDARIES

AND

SUBDIVISION

O F

TOWNSHIP NO. 15 SOUTH, RANGE NO. 25 EAST;

AND

RETRACEMENT JOHN McCOOK'S ALLOTMENT

NO. 445,

TOWNSHIPS NOS.14 AND 15 SOUTH, RANGE NO.25 EAST

Of the SALT LAKE BASE AND *Meridian,*

In the State of U T A H

EXECUTED BY

ELLIOT BIRD AND LYMAN E.BOLINGER, U.S.TRANSITMEN

AND

RALPH GENTRY, U. S. CADASTRAL ENGINEER,

~~*In the capacity of U. S. Surveyor*~~, *under Special Instructions dated* August 6, *191*5, *issued by the United States Surveyor General to govern surveys included in Group No.* 41, *which were approved by the Commissioner of the General Land Office,* August 23, *191*5, *and* Supplemental *Assignment Instructions dated* July 24, *191*8, May 6, 1918, and May 12, 1920, respectively.

Survey commenced June 17, *191*8

Survey completed May 30, 1920, ~~*191*~~

6—121

Examined & Approved

A. Plat F.B.J. Notes K.F.B. F.B.J.

B. Compared F.B.J.

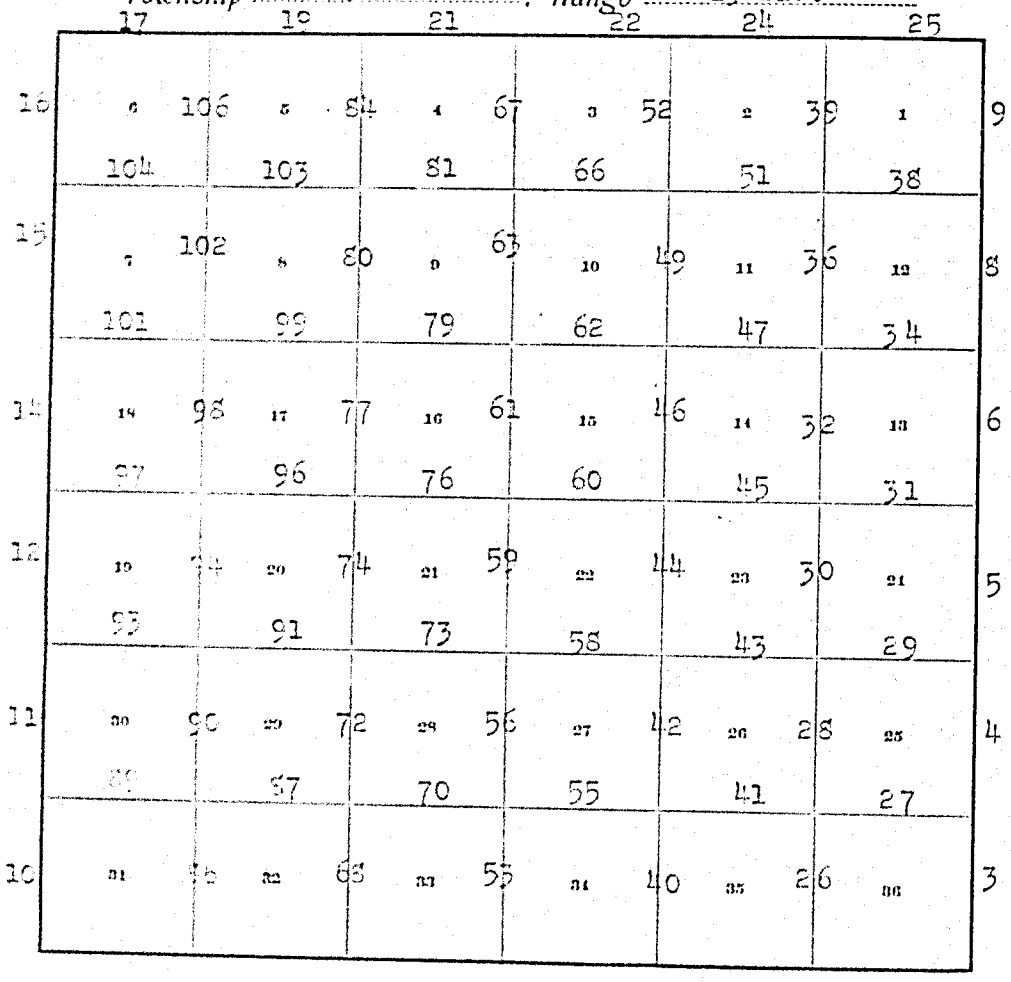
Comparing:

C. Plat K.F. Notes K.F.B.

BOOK A-142

INDEX DIAGRAM.

Township 15 South, *Range* 25 East



Instrument John McCook's allotment No. 445, pages 109 to 112.

BOOK A-442

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INDEX DIAGRAM.

Township 15 S, Range 25 E

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6—4817

DATE DIAGRAM

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

Lines along which the dates are colored black were surveyed by Lyman E. Bolinger, U.S. Transitman.

Lines along which the dates are colored red were surveyed by Elliot Bird, U.S. Transitman.

Lines along which dates are colored green were surveyed by Ralph Gentry, U.S.Cadastral Engineer.

chains

Survey commenced June 17, 1918 and executed with Young and Son light mountain transits Nos. 8584 and 8531. Both transits were equipped with Smith's solar attachments and full vertical circles. The horizontal limbs were provided with two double verniers, placed opposite each other, and reading to a single minute of arc, which is also the least count of the verniers of the lat., decl. arcs and vertical circles.

The instruments were approved for use on this survey by the Assistant Supervisor of Surveys for Utah in supplemental assignment instructions dated May 6, 1918 and July 24, 1918.

Test of instrument No, 8584, used by Lyman E. Bolinger.

I examine the adjustment of the transit and correct the level and collimation errors, then to test the solar apparatus by comparing their indication resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observation on Polaris, I proceed as follows.

June 17, 1918: Station in camp, in the NE. cor. of sec. 20, T. 15 S., R. 25 E., correct lat. 39° 30½'N., longitude 109° 10' W.

At 8h, a.m. l.m.t. , I set off 39° 30½' N. on the lat. arc; 23° 23½' N. on the decl. arc, and note that the line hits the E. edge of a pine tree, about 20.00 chs. dist.

At 4h, p.m. l.m.t., at the same station, I set off 39° 30½' N. on the lat. arc; 23°24' N. on the decl. arc, and note that p.m. solar agrees with the a.m. solar.

June 18, 1919: At 1h. 52m. a.m. l.m.t., I observe Polaris at eastern elongation in accordance with the Manual of Surveying Instructions, and mark the line thus determined with a nail in a stake firmly driven in the ground about 8.00 chs. to the N.

June 18, 1919: At 7h. 20m. a.m. l.m.t., I set off the azimuth of Polaris which is 1° 28' to the W., an note that the meridian thus determined bears 0°0½' W. of the solar

chains	
	meridians, therefore I conclude that the instrument is in good adjustment. The instrument was kept in good adjustment during the survey of the township by frequently testing it on meridians obtained by observations on Polaris.
	For test and description of instrument number 8531 used by Elliot Bird, see notes pertaining to the survey of the Third Standard Parallel South, through Ranges, 21, 22, 23, 24, 25 and 26 east.
	The magnetic bearing was not taken of the true meridian on account of local attractions.
	Steel tapes, 5.00 chs. long, together with clinometers for determining the slope angles were used by both parties in the field. The tapes were tested, comparison being made with a 1.00 ch. standard tape, used for that purpose only.
	From the S.C. of T. 15 S., Rs. 25 and 26 E., on the S. bdy. of township, heretofore described.
	North, bet. secs. 31 and 36.
	Desc. abruptly over mountainous land through dense undergrowth of service and oak brush and scattering cedar, pinon and red pine timber.
25.00	Canyon, dry, 680 ft. below standard township cor., course SE.; asc. abrupt SW. slope over broken sandstone ledges.
40.00	Falls on broken sandstone ledges; no cor. set.
54.50	At foot of small ledge, on steep SW. slope, 750 ft. above canyon, on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for witness cor. to ¼ sec. cor. of secs. 31 and 36, with a brass cap marked ¼ S 36 | S 31 W | C 1918
	From which,
	A cedar, 10 ins. dia., bears N. 45° E., 35 lks. dist. marked WC ¼ S 31 BT.

Survey of the east bdy. of T. 15 S., R 25 E.

chains

A pinon, 12 ins. dia., bears S. 80° W., 25 lks. dist., marked WC ¼ S 36 BT.

78.50 Ridge, 590 ft. above witness ¼ cor., bears NW. and SE.; desc. gradually.

80.00 On gentle NE. slope, 15 ft. below ridge.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S
R25E R26E

S 25	S 30
S 36	S 31

1918.

From which,

A cedar, 12 ins. dia., bears N. 19½° E., 621 lks. dist., marked T15S R26E S 30 BT.

A pinon, 12 ins. dia., bears S. 36° E., 61 lks. dist., marked T15S R26E S 31 BT.

A pinon, 14 ins. dia., bears S. 60° W., 162 lks. dist., marked T15S R25E S 36 BT.

No NW. bearing tree available.

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

Land, mountainous with outcropping of sandstone ledges.

Soil, sandy loam, mixed with loose sandstone rock.

Drainage, SE.

Timber, scattering cedars, pinon, and red pine.

Undergrowth, dense service and oak brush.

Grazing, good on all of mile.

North, bet. secs. 25 and 30. sec. 25.

Desc. gradually over mountainous land through dense undergrowth of service and oak brush and scattering growth of cedar, pinon and red pine timber.

40.00 On gentle NE. slope, 630 ft. below sec. cor.

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

¼

S 25	S 30

1918

Survey of the east bdy. of T. 15 S., R. 25 E.

chains	
	No bearing trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
62.50	Hollow, 210 ft. below ¼ cor., course SE.; asc. abrupt SE. slope of spur.
80.00	On steep SE. slope of spur, 920 ft. above hollow.
	Set an iron post 3 ft. long, 2 ins. dia., 26 ins. in the ground, for sec. cor., with a brass cap marked

T15S
R25E R26E

S 24	S 19
S 25	S 30

1918

From which,

A pinon, 12 ins. dia., bears N. 22½° E., 100 lks. dist., marked T15S R26E S 19 BT.

A pinon, 10 ins. dia., bears S. 44° E., 110 lks. dist., marked T15S R26E S 30 BT.

A pinon, 6 ins. dia., bears S. 12° W., 112 lks. dist., marked T15S R25E S 25 BT.

A pinon, 10 ins. dia., bears N. 9½° W., 165 lks. dist., marked T15S R25E S 24 BT.

Land, mountainous, broken by a deep hollow.

Soil, loose sandy loam and loose sandstone rock.

Drainage, SE.

Undergrowth, dense service and oak brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

North bet. secs. 19 and 24.

Asc. gradually along steep east slope of spur which projects S., through dense undergrowth of service and oak brush and scattering cedar, pinon and red pine timber.

40.00	On steep E. slope of spur, 580 ft. above sec. cor.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground for ¼ sec. cor., with a brass cap marked

Survey of the east bdy. of T. 15 S., R. 25 E.

chains

$\frac{1}{4}$

S 24 | S 19

1918

From which,

A red pine, 12 ins. dia., bears N. 40° E., 10 lks. dist., marked $\frac{1}{4}$ S 19 BT.

A pinon, 14 ins. dia., bears S. 45° W., 5 lks. dist., marked $\frac{1}{4}$ S 24 BT.

45.00 Top of divide between the White River and Grand River, 95 ft. above $\frac{1}{4}$ cor, bears N. 60° E. and S. 60° W.; desc. gradually.

79.00 Hollow, 1050 ft. below divide, course NE. for 10.00 chs. then N.; asc. gradually.

80.00 On gentle S. slope, 15 ft. above hollow.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S

R25E R26E

S 13 | S 18

S 24 | S 19

1918

From which,

A aspen, 8 ins. dia., bears S. 57½° E., 3 lks. dist., marked T15S R26E S 19 B T.

A aspen, 8 ins. dia., bears S. 33½° W., 22 lks. dist., marked T15S R25E S 24 BT.

A aspen, 8 ins. dia., bears N. 6° W., 25 lks. dist., marked T15S R25E S 13 BT. No other accessories available

Land, mountainous broken by deep hollows.

Soil, loose sandy loam.

Drainage, SE. on first half mile, NW. on last half mile.

Undergrowth, dense service and oak brush.

Timber, cedars, pinon, red pine and aspen.

Grazing, good on all of mile.

North, between sections 13 and 18.

Desc. gradually along broken E. slope of ridge through

chains	
	dense undergrowth of sage, service and oak brush and scattering cedar, pinon and red pine timber.
14.20	Point of spur, 150 ft. above sec. cor., projects E.; desc. gradually.
23.00	Gulch, 85 ft. below spur, drains E. asc. gradually.
31.20	Point of spur, 90 ft. above gulch, projects E.; desc. gradually.
33.50	Swale, 65 ft. below spur, drains E.; asc. gradually.
40.00	On point of spur, 85 ft. above swale, projects E.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 13 | S 18 1918
	From which,
	A red pine, 16 ins. dia., bears N. 65° W., 83 lks. dist., marked ¼ S 13 BT.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No NE. bearing tree available.
54.40	Small stream of water in Bitter Creek canyon, 180 ft. below ¼ cor., stream is 3 lks. wide, 6 ins. deep, course W.; asc. abruptly.
55.20	Road from Baxter Pass Colo., bears E. and W.
80.00	On steep S. slope, 490 ft. above canyon, on solid rock.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in a mound of stone, for sec. cor., with a brass cap marked
	T15S R25E R26E S 12 | S 7 S 13 | S 18 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W of cor.
	No bearing trees available.
	Land, mountainous broken by Bitter Creek Canyon.
	Soil, shallow sandy loam;
	Drainage, E. on first half mile, SW. on last half mile.

Survey of the east bdy. of T. 15 S., R. 25 E.

chains	
	Undergrowth, dense sage, service and oak brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	North, ~~betth~~ secs. 7 and 12.
	Asc. abruptly over rough mountainous land through dense undergrowth of sage, service and oak brush and scattering cedar, pinon, yellow and red pine timber.
7.50	Spur, 155 ft. above sec. cor., projects W.; desc. gradually.
17.00	East side of basin, 200 ft. below spur, asc. abruptly.
28.30	Top of lone mountain, 290 ft. above basin, bears N. and S.; desc. abruptly.
40.00	At foot of steep descent, 270 ft. below top of mountain. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

S 12 | S 7
1918

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

No bearing trees available.

67.50	Hollow, 185 ft. below ¼ cor., course S. 30° W.; asc. abruptly.
80.00	On steep SE. slope of spur, 320 ft. above hollow, on solid rock.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in a mound of stone, for sec. cor., with a brass cap marked

T15S
R25E R26E

S 1 | S 6
S 12 | S 7

1918

From which,

A cedar, 15 ins. dia., bears N. 7½° E., 65 lks. dist., marked T15S R26E S 6 BT.

A pinon, 10 ins. dia., bears S. 50½° E., 32 lks. dist., marked T15S R26E S 7 BT.

Survey of the east bdy. of T. 15 S., R. 25 E.

chains	
	A pinon, 12 ins. dia., bears S. 31¾° W., 45 lks. dist., marked T15S R25E S 12 BT.
	A pinon, 15 ins. dia., bears N. 36½° W., 48 lks. dist., marked T15S R25E S 1 BT.
	Land, mountainous, broken by deep hallows.
	Soil, sandy loam, mixed with loose sandstone rock.
	Drainage, SW. into Bitter Creek.
	Undergrowth, dense sage, service, buck and oak brush.
	Timber, scattering cedars, pinon, red and yellow pines.
	Grazing, good on all of mile.
	North, bet. secs. 1 and 6.
	Asc. gradually along E. slope of ridge which bears N. and S. through dense undergrowth of service, buck, sage and oak brush and scattering cedar, pinon and red pine timber.
21.70	Timber becomes more scattering, bears E. and W.
40.00	On steep E. slope, 75 ft. above sec. cor.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 1 | S 6 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No. bearing trees available.
53.00	Cement watering trough at spring, bears E. of line, 15.00 chs. dist.
80.00	Near top of ridge, bears N. and S., 210 ft. above ¼ cor.
	Set an iron post 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of Ts. 14 and 15 S., Rs. 25 and 26 E., with a brass cap marked
	T14S R25E R26E S 36 | S 31 S 1 | S 6 T15S 1918

East boundary of T. 15 S., R. 25 E.

chains	
	Raise a mound of stone, 2½ ft. base, 1½ ft. high, S. of cor.
	No bearing trees available.
	Land, mountainous.
	Soil, loose sandyloam;
	Drainage, SE. into Bitter Creek.
	Undergrowth, dense sage, service, buck and oak brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	West Boundary, T.15 S.R.25 E.
	From the S.C. of T. 15S., Rs. 24 and 25 E. on the S. bdy. of township, heretofore described.
	North on the W. bdy., bet. secs. 31 and 36.
	Asc. gradually over mountainous land through dense undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
19.00	Spur, 150 ft. above township cor., projects N. 25° W. about 25.00 chs.; desc. gradually.
30.00	Enter dense aspen timber, bears E. and W.
36.10	Hollow, 400 ft. below spur, drains into Sweet Water Canyon, course NW., leave aspen timber, bears N. and S.; asc. gradually.
39.50	Spur, 20 ft. above hollow, projects NW. about 4.00 chs.; desc. abruptly.
40.00	On steep W. slope, 20 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 36 | S 31 1918
	From which,
	A pinon, 4 ins. dia., bears N. 8½° E., 35 lks. dist., marked ¼ S 31 BT.
	A pinon, 18 ins. dia., bears N. 2¼° W., 494 lks. dist., marked ¼ S 36 BT.
41.80	Fork of Sweet Water Canyon, 35 ft. below ¼ cor., course

chains	
	W.; asc. abrupt S. slope.
47.50	Spur, 230 ft. above fork of canyon, projects NW. about 18.00 chs.; desc. abrupt N. slope.
48.50	Timber becomes more scattering, bears N. and S.
59.20	Hollow, 240 ft. below spur, course W.; asc. gradually.
63.80	Spur, 120 ft. above hollow, projects SW. about 10.00 chs.; desc. abrupt W. slope.
80.00	On steep W. slope, 110 ft. below spur.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S
R24E R25E

S 25	S 30
S 36	S 31

1918

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

No bearing trees available.

Land, mountainous broken by deep hollows.

Soil, loose sandy loam.

Drainage, NW. into Sweet Water Canyon.

Undergrowth, dense sage, service, buck and oak brush.

Timber, scattering cedars, pinon, aspen and red pine.
Dense aspen on 6.10 chs.
Grazing, good on all of mile.

North, bet. secs. 25 and 30.

Desc. gradually over mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering wheat grass and scattering pinon and cedar timber.

7.40	Trail, bears NE. and SW.
8.20	Head of hollow, 50 ft. below sec. cor., course SW.; asc. gradually over broken sandstone ledges.
27.30	Spur, 200 ft. above hollow, projects SW. about 60.00 chs.; desc. gradually the NW. slope of spur.
40.00	On gentle NW. slope, 30 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

West boundary of T. 15 S., R. 25 E.

chains	
	S 25 | S 30 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
53.00	Hollow, 110 ft. below ¼ sec. cor.; course NW.; asc. gradually.
68.70	Ascent becomes more gradual.
80.00	On gentle SW. slope, 150 ft. above hollow.
	Set an iron post 3 ft. long, 2 ins. dia., 8 ins. in the ground, and 16 ins. in a mound of stone, for sec. cor., with a brass cap marked
	T15S R24E R25E S 24 | S 19 S 25 | S 30 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land, mountainous broken by deep hollows.
	Soil, shallow sandy loam.
	Drainage, NW. into Sweet Water Canyon.
	Undergrowth, dense sage, service, buck and oak brush and scattering wheat grass. Timber scattering cedar and pinon.
	Grazing, good on all of mile.
	North, bet. secs. 19 and 24.
	Asc. gradually over mountainous land through dense undergrowth of sage, service, buck and oak brush and scattering wheat grass and scattering pinon and cedar timber.
4.50	Top of ridge, 185 ft. above sec. cor., bears N. 40° W. and SE.; trail on top of ridge, bears with ridge, ; desc. gradually.
40.00	On steep NE. slope, 250 ft. below ridge.
	Set an iron post 3 ft. long, 1 in. dia., 6 ins. in the

West boundary of T. 15 S., R. 25 E.

chains	
	ground to solid rock and 20 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with a brass cap marked
	$\frac{1}{4}$ S 24 | S 19 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No bearing trees available.
50.60	Wash, 10 lks. wide, 1 ft. deep, in bottom of hollow, 110 ft. below $\frac{1}{4}$ sec. cor., course N. 30° W.; asc. gradual SW. slope.
51.90	Trail, bears NW. and SE.
57.80	Ascent becomes abrupt and broken by sandstone ledges.
67.70	Spur, 180 ft. above hollow, projects W. about 8.00 chs.; desc. gradually.
72.40	Ravine, 30 ft. below spur, course SW.; asc. abruptly over sandstone ledges.
80.00	On top of ridge, 80 ft. above ravine, bears N. 30° W. and SE.
	Set an iron post 3 ft. long, 2 ins. dia., 10 ins. in the ground to solid rock and 14 ins. in a mound of stone, for sec. cor., with a brass cap marked
	T15S R24E R25E S 13 | S 18 S 24 | S 19 1918.
	From which,
	A pinon, 10 ins. dia., bears S. $11\frac{1}{2}$° E., 280 lks. dist., marked T15S R25E S 19 BT.
	A pinon, 12 ins. dia., bears S. $24\frac{3}{4}$° W., 264 lks. dist., marked T15S R24E S 24 BT.
	A pinon, 8 ins. dia., bears N. $6\frac{1}{2}$° W., 196 lks. dist., marked T15S R24E S 13 BT.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No NE. bearing tree available.

West boundary of T. 15 S., R. 25 E.

chains	
	Land, mountainous broken by deep hollows and sandstone ledges.
	Soil, shallow sandy loam, mixed with loose sandstone
	Drainage, NW. into Sweet Water Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars and pinon.
	Grazing, good on all of mile.
	North, bet. secs. 13 and 18.
	Desc. gradually over rolling mountains through dense undergrowth of service sage, oak and buck brush and scattering pinon and cedar timber.
3.50	Trail bears NW. and SE.
40.00	On gentle NE. slope, 90 ft. below sec. cor.,
	Set an iron post 3 ft. long, 1 in. dia., 10 ins. in the ground to solid rock and 16 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with a brass cap marked
	$\frac{1}{4}$ S 13 | S 18 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No bearing trees available; continue gradual descent.
80.00	On gentle E. slope, near bottom of ravine, course N. 20°E., 110 ft. below $\frac{1}{4}$ sec. cor.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked
	T15S R24E R25E S 12 | S 7 S 13 | S 18 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No bearing trees available.
	Land, rodling mountains.

West boundary of T. 15 S., R. 25 E.

chains	
	Soil, loose sandy loam.
	Drainage, NW. into Sweet Water Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering pinon and cedars.
	Grazing, good on all of mile.
	North, bet. secs. 7 and 12.
	Desc. gradually over mountainous land through dense undergrowth of service, sage and oak brush and scatter-cedar, pinon and red pine timber.
15.00	Trail, bears N. 20° E. and S. 20° W.
16.00	End of gradual descent, thence, asc. gradual SE. slope.
40.00	On steep E. slope, 80 ft. above sec. cor., on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼

S 12 | S 7

1918

From which,

A cedar, 16 ins. dia., bears N. 38½° W., 140 lks. dist., marked ¼ S 12 BT.

A red pine, 14 ins. dia., bears N. 30° E., 470 lks. dist., marked ¼ S 7 BT.

80.00 On top of ridge, 110 ft. above ¼ sec. cor., bears N. 20° E. and S. 20° W.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S
R24E R25E

S 1 | S 6
S 12 | S 7

1918

From which,

A cedar, 8 ins. dia., bears N. 79? E., 96 lks. dist., marked T15S R25E S 6 BT.

A pinon, 18 ins. dia., bears S. 38½° E. 96 lks. dist., marked T15S R 25E S 7 BT.

West boundary of T. 15 S., R. 25 E.

chains	
	A cedar, 8 ins. dia., bears S. 65½° W., 210 lks. dist., marked T15S R24E S 12 BT,
	A cedar, 8 ins. dia., bears N. 1° W., 160 lks. dist., marked T15S R24E S 1 BT.
	Land, rolling mountains.
	Soil, loose sandy loam.
	Drainage, NE. into fork of Sweet Water Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	North, bet. secs. 1 and 6.
	Desc. gradually over rolling mountains through scattering undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
40.00	On steep NE. slope, 90 ft. below sec. cor.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 1 | S 6 1918
	From which,
	A cedar, 6 ins. dia., bears N. 84½° E., 113 lks. dist., marked ¼ S 6 BT.
	A cedar, 14 ins. dia., bears S. 61½° W., 286 lks. dist., marked ¼ S 1 BT.
80.00	On gentle NE. slope 115 ft. below ¼ sec. cor.,
	Set an iron post 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of Ts. 14 and 15 S., Rs. 24 and 25 E., with a brass cap marked
	T14S R24E R25E S 36 | S 31 S 1 | S 6 T15S 1918
	From which,
	A cedar, 6 ins. dia., bears S. 3° E., 46 lks. dist., marked T15S R25E S6 BT

West, boundary of T. 15 S., R. 25 E.

chains	
	A cedar, 8 ins. dia., bears S. 45° W., 61 lks. dist., marked T15S R24E S 1 BT.
	A cedar, 8 ins. dia., bears N. 34° W., 249 lks. dist., marked T14S R24E S36 BT
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of Cor.
	Land, rolling mountains.
	Soil, loose sandy loam;
	Drainage, NE. into fork of Sweet Water Canyon which drains NW.
	Undergrowth, scattering sage, service, oak and buck brush.
	Timber, scattering, cedars, pinon and red pine.
	Grazing, good on all of mile.
	North Boundary of T.15 S.R. 25 E.
	From the cor. of Ts. 14 and 15 S., Rs. 25 and 26 E., heretofore described in these notes:
	West on a random line along the N. bdy. of T. 15 S., R. 25 E., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and, at 479.40 chs., intersect the W. bdy. of the township, 14 lks. N. of the cor. of Ts. 14 and 15 S., Rs. 24 and 25 E.
	The falling answers to a correction of 0°01', or 2.3 lks. S. per mile, counting from the NE. cor. of the Tp.; therefore I run
	N. 89° 59' E., bet. secs. 6 and 31, marking and blazing true line.
	Asc. abruptly over mountainous land through dense cedar, pinon and red pine timber and scattering undergrowth of sage, service, oak and buck brush.
5.40	Fork of Sweet Water Canyon, 45 ft. below Tp. cor., course NW.; asc. abrupt W. slope.
6.80	Trail, bears NW. and SE.
8.20	Timber, becomes more dense, bears N. and S.
24.00	Ridge, 450 ft. above fork of canyon, bears N. 20° W. and S. 20° E.; desc. abrupt E. slope.
39.40	On steep E. slope, 140 ft. below ridge.
	Set an iron post 3 ft. long, 1 in. dia., 20 ins. in the ground to solid rock, and 6 ins. in a mound of stone,

North boundary of T. 15 S., R. 25 E.

chains	
	for ¼ sec. cor., with a brass cap marked
	¼ S 31 / S 6 1918
	From which,
	A red pine, 12 ins. dia., bears N. 4° W., 58 lks. dist., marked ¼ S 31 BT.
	A red pine, 12 ins. dia., bears S. 62½° E., 165 lks. dist., marked ¼ S 6 BT.
44.68	Canyon, 110 ft. below ¼ sec. cor., course N. 30° E.; asc. abrupt NW. slope.
52.70	Spur, 180 ft. above canyon, projects NE.; desc. abruptly.
54.70	West rim of ravine, bears NE. and SW.
58.00	Ravine, 310 ft. below spur, course NE. asc. abruptly.
77.60	Point of spur, 420 ft. above canyon, projects NE. desc.
79.40	On steep SE. slope, 40 ft. below spur,
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked
	T14S R25E / T15S
	S 31 / S 6 | S 32 / S 5 1918
	From which,
	A red pine, 10 ins. dia., bears N. 62½° E., 178 lks. dist., marked T14S R25E S 32 BT.
	A pinon, 14 ins. dia., bears S. 77° E., 113 lks. dist., marked T15S R25E S 5 BT.
	A pinon, 12 ins. dia., bears S. 52° W., 79 lks. dist., marked T15S R25E S 6 BT.
	A red pine, 10 ins. dia., bears N. 50° W., 100 lks. dist., marked T14S R25E S 31 BT.
	Land, mountainous broken by deep canyons and hollows.
	Soil, loose sandy loam.
	Drainage, NE. and NW. into Sweet Water and Bitter Creek canyons.

North Boundary of T. 15 S., R. 25 E.

Chains.	
	Undergrowth, scattering sage, service, oak and buck brush. Timber dense cedars, pinon, and red pine. Grazing good on all of mile.
	N. 89° 59' E. bet.secs. 5 and 32, Descend abruptly over rough, mountainous land, through dense undergrowth of sage, service, oak, and buck brush, and scattering cedar, pinon, and red pine.
4.00	Head of gulch, 55 ft. below sec.cor., drains NE. Asc.
11.60	Spur, 110 ft. above gulch, projects N. 20° E. Descend abrupt E. slope into Bitter Creek Canyon.
23.75	On W. side of Bitter Creek Canyon, at foot of steep descent, 620 ft. below spur, intersect the bdy. of Indian allotment No. 445, belonging to John McCook, N. 18° 31' W. 6.58 chs.dist. from Cor.No. 10, which is a 1-in. iron post, extending 6 ins.above the ground, with brass cap marked COR 10 / A P / No. 445 / 1913 At point of intersection, Set an iron post 3 ft. long, 1 in. dia., 26 ins.in the ground, for closing cor.of Secs.5 and 32, with brass cap marked T14S / R25E / S 32 C \ J M / S 5 C \ No 445 / T15S / 1918 from which A red pine, 12 ins.dia., bears N. 71½° W. 136 lks.dist., marked CC T14S R25E S32 BT A red pine, 12 ins.dia., bears S. 44½° W. 96 lks.dist., marked CC T15S R25E S5 BT
26.40	Bitter Creek, stream 20 lks.wide, 4 ins.deep, in bottom of Bitter Creek Canyon, 30 ft. below closing cor., course N. 20° W.; ascend gradually.
29.10	Road to Indian camp, bears N. and S.

Chains.

34.35 Intersect the boundary of Indian allotment No. 445, belonging to John McCook, N.17° 25' W. 98 lks. from Cor. No. 3, which is an iron post, 1 in. in dia., extending 10 ins. above the ground, with brass cap marked

COR 3
No 445
A P
1913

At point of intersection, set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for closing corner of secs. 5 and 32, with brass cap marked

T14S
R25E
No 445 C S 32
J M
C S 5
T15S
1918

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

40.00 On gentle W. slope, in dense tall sagebrush, 60 ft. above Bitter Creek,

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

¼ S 32
S 5
1918

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

No bearing trees available.

43.60 Road from Baxter Pass, Colo., to Dragon, Utah; bears SE. and NW.

50.00 East side of Bitter Creek Canyon, 55 ft. above ¼ sec. cor., bears NW. and SE.; ascend abrupt NW. slope of spur; through dense red pine timber.

75.00 Top of spur, 960 ft. above foot, projects N.80° W. Continue ascent.

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

Corner on steep NW. slope, in dense red pine timber, 65 ft. above top of spur.

Brass cap marked

North boundary of T. 15 S., R. 25 E.

chains	
	T14S R25E S 32 | S 33 S 5 | S 4 T15S 1918
	From which,
	A red pedar, 8 ins. dia., bears N. 20° E., 13 lks. dist., marked T14S R25E S 33 BT.
	A red cedar, 10 ins. dia., bears S. 52½° E., 14 lks. dist., marked T15S R25E S 4 BT.
	A red pine, 10 ins. dia., bears S. 75° W., 35 lks. dist., marked T15S R25E S 5 BT.
	A red cedar, 10 ins. dia., bears N. 72½° W., 52 lks. dist., marked T14S R25E S 32 BT.
	Land, mountainous broken by deep canyons and hollows.
	Soil, loose sandy loam.
	Drainage, NE. and NW. into Bitter Creek Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, cedars, pinon, and red pine.
	Grazing, good on all of mile.
	N. 89°59' E., bet. secs. 4 and 33.
	Asc. gradually over rolling mountain tops, through dense sage service, oak and buck brush and dense cedar, pinon and red pine timber.
3.20	Head of hollow, 40 ft. above sec. cor., course NW.; asc. gradually.
7.70	Point of spur, 45 ft. above head of hollow, projects NW.; continue gradual ascent.
15.80	Head of hollow, 65 ft. above spur, course NW.; asc. gradually over nearly level bench, bears N. and S.
40.00	Near E. side of bench, 65 ft. above head of hollow. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked ¼ S 33 / S 4 1918
	From which,

chains

A cedar, 10 ins. dia., bears N. 15½° E., 130 lks. dist., marked ¼ S 33 BT.

A pinon, 10 ins. dia., bears S. 63° E., 73 lks. dist., marked ¼ S 4 BT.

41.50 Ridge, on E. side of bench, 40 ft. above ¼ sec. cor., bears NE. and SW.; desc. abruptly.

56.40 Head of hollow, 155 ft. below ridge, course S.; asc. gradually.

62.40 Spur, 90 ft. above hollow, projects S. 20° W.; desc. abruptly over broken E. slope.

73.00 Head of large hollow, 510 ft. below spur, course S. 20° W. asc. gradually over broken SW. slope.

80.00 On gentle SW. slope, 200 ft. above head of hollow.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T14S R25E

S 33	S 34
S 4	S 3

T15S
1918

From which,

A red pine, 18 ins. dia., bears N. 34½° E., 76 lks. dist., marked T14S R25E S 34 BT.

A pinon, 12 ins. dia., bears S. 75½° E., 20 lks. dist., marked T15S R25E S 3 BT.

A red pine, 10 ins. dia., bears S. 13½ W., 32 lks. dist., marked T15S R25E S 4 BT.

A red pine, 6 ins. dia., bears N. 42° W., 27 lks. dist., marked T14S R25E S 33 BT.

Land, rolling mountain tops.

Soil, loose sandy loam, mixed with loose sandstone.

Drainage, NW. and SE. into Bitter Creek.

Undergrowth, dense sage, service, buck and oak brush.

Timber, dense cedars, pinon and red pine.

Grazing, good on all of mile.

N. 89°59' E., bet. secs. 3 and 34.

North boundary of T. 15 S., R. 25 E.

chains	
	Asc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
1.00	Spur, projects S., 40 ft. above sec. cor.; desc. gradually.
10.50	Head of hollow, 110 ft. below spur, course SW.; asc. abruptly.
24.00	Spur, 370 ft. above hollow, projects SW.; desc. gradually.
34.50	Head of hollow, 165 ft. below spur, course SW.; asc. gradually.
40.00	On steep NW. slope, 165 ft. above head of hollow.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked $\frac{1}{4}$ S 34 / S 3 1918
	From which,
	A red pine, 6 ins. dia., bears N. 32° E., 15 lks. dist., marked $\frac{1}{4}$ S 34 BT.
	A red pine, 6 ins. dia., bears S. 83½° E., 14 lks. dist., marked $\frac{1}{4}$ S 3 BT.
50.00	Spur, 155 ft. above $\frac{1}{4}$ sec. cor., projects SW.; desc. abrupt SE. slope.
67.50	Head of hollow, 440 ft. below spur, course S. 30° W.; asc. gradually.
80.00	On gentle SW. slope, 95 ft. above head of hollow.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked T14S R25E / S 34 | S 35 / S 3 | S 2 / T15S 1918
	From which,
	A red pine, 12 ins. dia., bears N. 37° E., 63 lks. dist., marked T14S R25E S 35 BT.
	A red pine, 18 ins. dia., bears S. 55½° E., 95 lks. dist., marked T15S R25E S 2 BT.

chains	
	A red pine, 6 ins. dia., bears S. 32° W., 65 lks. dist., marked T15S R25E S 3 BT.
	A red pine, 11 ins. dia., bears N. 82½° W., 38 lks. dist., marked T14S R25E S 34 BT.
	Land, mountainous broken by deep hollows.
	Soil, loose sandy loam, mixed with loose sandstone rock.
	Drainage, S. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, dense cedars, pinon and red pine, on E. 40.00 chs.
	Grazing, good on all of mile.
	N. 89°59' E., bet. secs. 2 and 35.
	Asc. abruptly over mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedars, pinon and red pine timber.
5.00	Point of spur, 40 ft. above sec. cor., projects S.; desc. gradually.
11.00	Head of hollow, 75 ft. below spur, course SW.; asc. abrupt NW. slope.
23.50	Ascent becomes more gradual; bears NE. and SW.; leave timber, bears N. and S.
40.00	On gentle SW. slope, 350 ft. above head of hollow. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked ¼ S 35 / S 2 1918. Dig pits, 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist.
52.00	Road on top of ridge, 220 ft. above ¼ sec. cor., both bear S. 65° E. and N. 60° W.; enter dense aspen and red pine timber, bears N. and S.; desc. abruptly.
80.00	On steep N. slope, 210 ft. below ridge, in dense timber. Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked T14S R25E S 35 | S 36 S 2 | S 1 T15S 1918

North boundary of T. 15 S., R. 25 E.

chains	
	From which,
	A red pine, 6 ins. dia., bears N. 48° E., 50 lks. dist., marked T14S R25E S 36 BT.
	A red pine, 20 ins. dia., bears S. 82° E., 8 lks. dist., marked T15S R25E S 1 BT.
	A red pine, 6 ins. dia., bears S. 31½° W., 63 lks. dist., marked T15S R25E S 2 BT.
	A red pine, 8 ins. dia., bears N. 30° W., 40 lks. dist., marked T14S R25E S 35 BT.
	Land, mountainous.
	Soil, loose sandy loam.
	Drainage, SW. into Bitter Creek and NW. into Rat Hole Canyon.
	Undergrowth, service, sage, oak and buck brush.
	Timber, scattering cedars, pinon and red pine on W. 52.00 chs.; dense aspen and red pine on balance of mile.
	Grazing, good on all of mile.
	N. 89°59' E., bet. secs. 1 and 36.
	Asc. gradually over rolling mountainous land through dense undergrowth of sage, service, oak and buck brush and dense aspen and red pine timber.
40.00	On gentle N. slope, in dense aspen, 250 ft. below sec. cor. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 36 / S 1 / 1918
	From which,
	A red pine, 8 ins. dia., bears S. 15° E., 8 lks. dist., marked ¼ S 1 BT.
	A aspen, 8 ins. dia., bears N. 25¼° W., 5 lks. dist., marked ¼ S 36 BT.
47.70	Head of hollow, 85 ft. above ¼ sec. cor., course NW.; leave dense timber, bears N. and S.; asc. gradually, through scattering red pine.
52.53	A 15 in. red pine on line which I mark with 2 notches on the W. face and two notches on the E. face.

North Boundary of T. 15 S., R. 25 E.

chains	
71.80	Road, bears SW. and NE., leave timber, bears N. and S.
76.00	Top of ridge, 280 ft. above head of hollow, bears N. 20° and S. 20° W.; desc. abrupt E. slope.
80.00	Intersect the cor. of Ts. 14 and 15 S., Rs. 25 and 26 E.; 125 ft. below top of ridge.
	Land, rolling mountain tops.
	Soil, loose sandy loam.
	Drainage, NW. into Rat Hole Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, dense aspen and red pine on first half mile, scattering red pines on last half mile.
	Grazing, good on all of mile.

Subdivision of T.15 S.R.25 E.

From the standard cor. of secs. 35 and 36, heretofore described, on S.bdy. of Tp.

N. 0° 01' W., bet. secs. 35 and 36.

Desc. gradually through dense undergrowth of sage, service oak and buck brush and scattering cedar, pinon and red pine timber.

chains	
34.00	Gulch, 755 ft. below sec. cor., drains E.; continue gradual descent.
40.00	On gentle E. slope, 15 ft. below gulch.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

¼

S 35 | S 36

1918

From which,

A cedar, 12 ins. dia., bears N. 84° E., 14 lks. dist., marked ¼ S 36 BT.

A pinon, 12 ins. dia., bears S. 80½° W., 35 lks. dist., marked ¼ S 35 BT.; asc. gradually.

chains	
47.10	Spur, 50 ft. above ¼ sec. cor., projects E.; desc. abrupt NE. slope into canyon.
65.50	Small stream of good clear water, 4 lks. wide, 2 ins. deep, in canyon, 250 ft. below spur, course S. 30° E.; asc. abrupt SW. slope through dense red pine timber.

chains	
80.00	On SW. slope of ridge, 310 ft. above canyon.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked
	T15S R25E S 26 | S 25 S 35 | S 36 1918
	From which,
	A cedar, 6 ins. dia., bears N. 17° E., 135 lks. dist., marked T15S R25E S 25 BT.
	A pinon, 12 ins. dia., bears S. 14° E., 134 lks. dist., marked T15S R25E S 36 BT.
	A pinon, 14 ins. dia., bears S. 53½° W., 54 lks. dist., marked T15S R25E S 35 BT.
	A pinon, 12 ins. dia., bears N. 18° W., 112 lks. dist., marked T15S R25E S 26 BT.
	Land, mountainous broken by deep canyons and hollows.
	Soil, loose sandy loam, mixed with loose sandstone.
	Drainage, SE.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine. Dense red pine on N. 14.50 chs.
	Grazing, good on all of mile.
	East, on a random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the east bdy. of Tp. 12 lks. N. of the cor. of secs. 25, 30, 31 and 36.
	Thence
	N. 89°55' W., on true line bet. secs. 25 and 36.
	Over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
1.80	Ridge, 45 ft. above sec. cor., bears N. 20° W., and SE.; desc. abruptly into canyon.
34.30	Canyon, 730 ft. below ridge, course SE.; asc. abrupt E. slope.

chains	
40.00	On steep E. slope, 450 ft. above canyon.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 25 / S 36 / 1918
	From which,
	A red pine, 10 ins. dia., bears N. 82° E., 80 lks. dist., marked ¼ S 25 BT.
	A pinon, 12 ins. dia., bears S. 20° E., 320 lks. dist., marked ¼ S 36 BT.
70.00	Ridge, 320 ft. above ¼ sec. cor., bears SE. and NW.; desc. gradually.
80.00	The cor. of secs. 25, 26, 35 and 36, 100 ft. below ridge.
	Land, mountainous broken by deep canyons and hollows.
	Soil, loose sandy loam, mixed with loose sandstone rock.
	Drainage, SE.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 0°01' W., bet. secs. 25 and 26.
	Asc. abruptly over mountainous land through dense undergrowth of sage, service, oak and buck brush, and scattering cedar, pinon and red pine timber.
39.00	Ridge, 850 ft. above sec. cor., bears N. 20° W. and S. 20° E.; continue abrupt ascent along steep E. slope of ridge near top.
40.00	On steep E. slope of ridge, 45 ft. above top, on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S 26 | S 25 / 1918
	From which,
	A pinon, 6 ins. dia., bears N. 10° E., 70 lks. dist.,

chains	
	marked ¼ S 25 BT.
	A pinon, 8 ins. dia., bears S. 14½° W., 31 lks. dist., marked ¼ S 26 BT.
55.00	Head of draw, 75 ft. above ¼ sec. cor., drains SE.; continue abrupt ascent.
75.00	Top of divide bet. the White and Grand Rivers, 430 ft. above head of draw, bears NE. and SW.; desc. gradually.
80.00	On gentle NW. slope, 20 ft. below divide.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 23	S 24
S 26	S 25

1918

From which,

A pinon, 12 ins. dia., bears S. 28½° E., 166 lks. dist., marked T15S R25E S 25 BT.

A pinon. 10 ins. dia., bears S. 36½° W., 144 lks. dist., marked T15S R25E S 26 BT.

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

No other bearing trees available.

Land, mountainous.

Soil, loose sandy loam and loose sandstone rock.

Drainage, SE.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

S. 89°55' E., on random line bet. secs. 24 and 25.

40.00 Set temp. ¼ sec. cor.

80.04 Intersect the E. bdy. of the Tp. 2 lks. S. of the cor. of secs. 19, 24, 25 and 30.

Thence

S. 89°56' W., on true line bet. secs. 24 and 25.

Over rough mountainous land through dense undergrowth of

chains	
	sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
1.50	Spur, 45 ft. above sec. cor., projects S. 30° E.; desc. abruptly.
20.00	Canyon, 580 ft. below spur, course SE.; asc. abruptly.
24.00	Point of spur, 120 ft. above canyon, projects S.; desc. abruptly.
27.30	Canyon, 185 ft. below spur, course SE.; asc. abruptly.
40.02	On steep E. slope, 410 ft. above canyon.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked.
	¼ S 24 / S 25 / 1918
	From which,
	A red pine, 16 ins. dia., bears S. 60° W., 95 lks. dist., marked ¼ S 25 BT.
	A red pine, 6 ins. dia., bears N. 65° W., 110 lks. dist., marked ¼ S 24 BT.
41.25	Ridge, 45 ft. above ¼ sec. cor., bears N. and S.; desc. abruptly.
55.50	Canyon, 530 ft. below ridge, course SE.; asc. abrupt W. slope.
75.00	Top of divide bet. the White and Grand Rivers, 420 ft. above canyon, bears NE. and SW.; desc. gradually.
80.04	The cor. of secs. 23, 24, 25 and 26, 35 ft. below ridge.
	Land, mountainous broken by deep hollows.
	Soil, loose sandy loam and loose sandstone rock.
	Drainage, SE.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 0°01' W., bet. secs. 23 and 24.
	Desc. gradually along NW. slope of divide through dense undergrowth of sage and buck brush and scattering red pine timber.

Subdivision of T. 15 S., R. 25 E.

chains	
40.00	On gentle NW. slope, 205 ft. below sec. cor.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 23 | S 24 1918.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
71.00	Ridge, 115 ft. above ¼ sec. cor., bears S. 20° E. and NW.; desc. abrupt NW. slope.
80.00	On steep NW. slope, 110 ft. below ridge.
	Set an ironpost 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked
	T15S R25E S 14 | S 13 S 23 | S 24 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land, rolling mountain tops.
	Soil, loose sandy loam, mixed with loose sandstone.
	Drainage, NW. into Bitter Creek.
	Undergrowth, dense sage, service, and buck brush.
	Timber, scattering red pine.
	Grazing, fair on all of mile.
	S. 89°56' E., on random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect the E. bdy. of the Tp. 24 lks. S. of the cor. of secs. 13, 18, 19 and 24.
	Thence
	S. 89°54' W., on true line bet. secs. 13 and 24.
	Asc. abrupt SE. slope through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, and red pine.

Subdivision of T. 15 S., R. 25 E.

chains	
22.10	Head of hollow, 350 ft. above sec. cor., course SE.; continue abrupt ascent.
28.55	Ridge, 100 ft. above head of hollow, bears N. and S.; desc. gradually.
39.95	On steep SW. slope, 175 ft. below ridge.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 13 / S 24
	1918
	From which,
	A pinon, 8 ins. dia., bears S. 85° E., 282 lks. dist., marked ¼ S 24 BT.
	No other bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft, high, N. of cor.
55.00	Canyon, 310 ft. below ¼ sec. cor., course NW.; asc. abruptly.
76.25	Spur, 430 ft. above canyon, projects N.; desc. abruptly.
79.90	The cor. of secs. 13, 14, 23 and 24, 115 ft. below ridge.
	Land, mountainous broken by deep hollows and canyons.
	Soil, loose sandy loam, mixed with loose sandstone.
	Drainage, SE. and NW. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 0°01' W., bet. secs. 13 and 14.
	Desc. gradually over mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
30.00	Junction of two hollows, from SE. and SW., 715 ft. below sec. cor., course N. 10° W.; asc. gradually.
36.80	Small spring and large cement watering trough, bears west 4.00 chs. dist.
40.00	On steep W. slope, 110 ft. above junction of hollows.

chains.

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

¼
S 14 | S 13
1918

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

No bearing trees available.

68.00 Spur, 210 ft. below ¼ sec. cor., projects NW.; desc. abruptly.

69.75 On steep NE. slope, 115 ft. below spur.

Intersect the bdy. of Indian allotment number 475, belonging to Minnie Witchits, N. 72°24' W., 4.20 chs. dist., of cor. number 5, which is an iron post 1 in. dia., extending 12 ins. above the ground, with a brass cap marked

No 475 | No 570
AP
WC
1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground for C. C. of secs. 14 and 13, with a brass cap marked

M. W.
No 475
C | C
T15S | R25E
S 14 | S 13
1918

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

No bearing trees available.

73.00 Stream of good clear water, 10 lks. wide, 5 ins. deep, on S. side of Bitter Creek Canyon, 105 ft. below C. C., course NW.; thence, over level canyon bottom.

80.00 On level canyon bottom, in Indian allotment number 475, same level as Bitter Creek.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

chains	
	T15S R25E S 11 | S 12 S 14 | S 13 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land, mountainous.
	Soil, loose sandy loam on mountain sides, deep black clay loam in canyon bottom.
	Drainage, NW. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 89°54' E. on random line bet. secs. 12 and 13.
40.00	Set temp ¼ sec. cor.
80.14	Intersect the E. bdy. of the Tp. 5 lks. N. of the cor. of secs. 7, 12, 13 and 18.
	Thence
	S. 89°56' W., on true line bet. secs. 12 and 13.
	Desc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedars, pinon and red pine timber.
25.00	Head of draw, 85 ft. below sec. cor., drains S. 25° W.; asc. gradually.
32.50	Point of spur, 110 ft. above draw, projects SW.; desc. abrupt NW. slope.
40.07	On steep NW. slope, 210 ft. below point of spur.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 12 / S 13 1918
	From which,
	A red pine, 12 ins. dia., bears N. 42½° W., 50 lks. dist., marked ¼ S 12 BT.

chains

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

No other bearing trees available.

57.00 Foot of mountains, 215 ft. below ¼ sec. cor., bears NE. and SW.; thence, over rolling bottom of Bitter Creek Canyon.

58.00 Mouth of hollow, 15 ft. below foot of mountains, course SW.

58.30 Four-wire fence, bears SE. and NW.

62.55 On rolling canyon bottom, 45 ft. below mouth of hollow.

Intersect the E. bdy. of Indian allotment number 570, belonging to War Atza, S. 45°58' E., 3.16 chs. dist., of cor. number 3, which is an iron post 1 in. dia., extending 10 ins. above the ground, with a brass cap marked

A P
COR
No 3
570
1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 12 and 13, with a brass cap marked

T15S
R25E
W A C S 12
No 570 C S 13
1918

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

No bearing trees available.

76.46 Leave allotment number 570 and enter allotment number 475

78.00 Road from Baxter Pass, Colo. to Indian camps, bears S. 80° E. and N. 80° W.

79.34 Four-wire fence, bears N. 3° E. and S. 3° W.

80.14 The cor. of secs. 11, 12, 13, and 14, 70 ft. below C. C.

Land, rough and mountainous on first half mile, rolling canyon bottom on last half mile.

Soil, shallow loose sandy loam on mountain sides, deep

chains.

black clay loam in canyon bottoms.

Drainage, SW. into Bitter Creek.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

N. 0°01' W., bet. secs. 11 and 12.

Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

3.20 Road from Baxter Pass, Colo. to Indian camps, bears E. and W.

8.50 At foot of mountains on N. side of Bitter Creek Canyon.

Intersect the N. bdy. of Indian allotment number 475, belonging to Minnie Witchits, N. 66°50' W., 377 chs. dist., of cor. number 4 of allotment number 475 and number 2 of allotment number 570, which is an iron post 1 in. dia., extending 10 ins. above the ground, with a brass cap marked

A P
No 4 | No 2
475 | 570
1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 11 and 12, with a brass cap marked

T15S R25E
S 11 | S 12
C | C
M W
No 475
1918

From which,

A pinon, 8 ins. dia., bears N. 63¼° E., 67 lks. dist., marked CC T15S R25E S 12 BT.

A cedar, 8 ins. dia., bears N. 27° W., 250 lks. dist., marked CC T15S R25E S 11 BT.

30.80 Point of rocky spur, 750 ft. above sec. cor., projects SW.; desc. abrupt NW. slope.

chains

40.00 On steep NW. slope, 320 ft. below spur.

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

$\frac{1}{4}$

S 11 | S 12

1918

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

No bearing trees available.

45.80 Hollow, 180 ft. below $\frac{1}{4}$ sec. cor., course SW.; asc. abrupt SE. slope.

80.00 On steep SE. slope near top of steep ascent.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 2 | S 1

S 11 | S 12

1918

From which,

A cedar, 10 ins. dia., bears N. 56° E., 37 lks. dist., marked T15S R25E S 1 BT.

A pinon, 5 ins. dia., bears S. 50° E., 60 lks. dist., marked T15S R25E S 12 BT.

A cedar, 10 ins dia., bears S. $27\frac{1}{4}$° W., 56 lks. dist., marked T15S R25E S 11 BT.

A pinon, 8 ins. dia., bears N. $77\frac{3}{4}$° W., 105 lks. dist., marked T15S R25E S 2 BT.

Land, mountainous broken by deep hollows.

Soil, loose sandy loam mixed with loose sandstone.

Drainage, SW. into Bitter Creek.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

Subdivision of T. 15 S., R. 25 E.

chains	
	N. 89°56' E., on random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect the E. bdy. of the Tp. at the cor. of secs. 1, 6, 7 and 12.
	Thence
	S. 89°56' W., on true line bet. secs. 1 and 12.
	Over rough mountainous land through dense undergrowth of service, oak and buck brush and scattering cedar, pinon and red pine timber.
10.20	Point of spur, 210 ft. above sec. cor., projects S.; desc. abrupt W. slope.
22.50	Large hollow, 430 ft. below spur, course S. 25° W.; asc. abrupt E. slope of ridge.
40.08	On steep E. slope of ridge, 560 ft. above hollow, on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked ¼ S 1 / S 12 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees available.
47.50	Top of ridge, 310 ft. above ¼ sec. cor., bears NE. and S.; desc. abruptly.
58.00	Head of hollow, 380 ft. below ridge, course SW.; asc. abruptly.
66.50	Spur, 195 ft. above hollow, projects S.; continue ascent.
80.16	The cor. of secs. 1, 2, 11 and 12, 230 ft. above spur.
	Land, mountainous broken by deep hollows.
	Soil, loose sandy loam and loose sandstone rock.
	Drainage, SW. into Bitter Creek.
	Undergrowth, dense service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.

chains	
	N. 0°01' W., on random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect the N. bdy of the Tp. 9 lks. W. of the cor. of secs. 1, 2, 35 and 36.
	Thence
	S. 0°03' W., on true line bet. secs. 1 and 2.
	Asc. abruptly over mountainous land through dense undergrowth of sage, service, oak and buck brush and dense cedar, pinon, aspen and red pine timber.
8.80	Road bears E. and W., leave aspen timber, cedar, pinon and red pine timber becomes scattering, bears E. and W.
10.00	Ridge, 115 ft. above sec. cor., bears E. and W.; desc. gradually.
20.00	Head of hollow, 45 ft. below ridge, course SW. asc. gradually.
40.10	On gentle NW. slope, 60 ft. above head of hollow.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 2 | S 1 1918
	From which,
	A red pine, 10 ins. dia., bears East , 100 lks. dist., marked ¼ S 1 BT.
	A red pine, 10 ins. dia., bears N. 24° W., 216 lks. dist., marked ¼ S.2 BT.
40.50	Spur, 20 ft. above ¼ sec. cor., projects SW.; desc.
53.60	Hollow, heads 10.00 chs. NE., 160 ft. below spur, course SW.; asc. gradually.
70.00	Ridge, 335 ft. above hollow, bears NE. and SW.; desc. abrupt SE. slope to sec. cor.
80.10	The cor. of secs. 1, 2, 11 and 12, 50 ft. below ridge.
	Land, rolling mountain tops.
	Soil, loose sandy loam.
	Drainage, SW. into bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine and dense aspen.

chains:

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.

Asc. abrupt S. slope of divide through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber,

40.00 Fall on steep S. slope in loose slide rock and sandstone ledges, no cor. set.

50.29 On steep S. slope, near top of steep ascent, 1150 ft. above sec. cor.

Set an iron post 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock and 14 ins. in a mound of stone, for W. C. to ¼ sec. cor. of secs. 34 and 35, with a brass cap marked

¼

S 34 | S 35
W | C

1918

From which,

A pinon, 12 ins. dia., bears S. 13½° E., 41 lks. dist., marked WC ¼ S 35 BT.

A pinon, 8 ins. dia., bears S. 18° W., 90 lks. dist., marked WC ¼ S 34 BT.

50.30 Point of spur, projects E. 25 ft. above ¼ sec. cor.; desc.

55.00 Head of gulch, 45 ft. below spur, drains E.; asc. gradually

64.80 Small spur, 40 ft. above gulch, projects E.; desc.

68.00 Head of draw, 45 ft. below spur, drains E.; asc.

74.85 Spur, 50 ft above gulch, projects E.; desc. gradually.

80.00 On steep E. slope of divide near top, 45 ft. below spur.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 27 | S 26

S 34 | S 35

1918.

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

No bearing trees available.

chains	
	Land, mountainous broken by outcroppings of sandstone.
	Soil, loose sandy loam and loose sandstone.
	Drainage, S. and SE.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	East, on random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the N. and S. line 7 lks. S. of the cor. of secs. 25, 26, 35 and 36.
	Thence
	S. 89°57' W., on true line bet. secs. 26 and 35
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
10.50	Small stream of water, 2 lks. wide, 1 in. deep, in canyon, 110 ft. below sec. cor., course S. 30° E.; asc. abruptly.
25.50	Low ridge, 80 ft. above canyon, bears N. and S.; desc. gradually.
31.60	Gulch, 45 ft. below ridge, course SE.; asc. abruptly.
40.02	On steep E. slope of Spur, 115 ft. above gulch.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 26 / S 35 / 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	No bearing trees available.
45.60	Point of spur, 75 ft. above ¼ sec. cor., projects S.; desc. abruptly.
50.00	Gulch, 215 ft. below spur, drains SE.; asc. abruptly.
80.04	The cor. of secs. 26, 27, 34 and 35, 410 ft. above gulch.
	Land, mountainous broken by deep hollows.
	Soil, loose sandy loam and loose sandstone.
	Drainage, SE.

chains	
	Undergrowth, dense sage, service, oak and buck brush. Timber, scattering cedars, pinon and red pine. Grazing, good on all of mile.
	N. 0°01' W., bet. secs. 26 and 27. Asc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
5.10	Head of gulch, 20 ft. below sec. cor., drains E.; asc. gradually.
15.40	Top of divide bet. the White and Grand Rivers, 85 ft. above gulch, bears NE. and SW.; desc. gradually.
27.80	Head of hollow, 270 ft. below ridge, course NW.; asc. gradually.
40.00	On steep W. slope, 45 ft. above head of hollow. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked ¼ S 27 | S 26 1918 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
50.10	Point of spur, 30 ft. above ¼ sec. cor., projects NW.; desc. gradually.
62.30	Right fork of ravine, 260 ft. below spur, drains W. 15.00 chs., thence, NW.
68.25	Point of spur, 95 ft. above ravine, projects W.; desc. gradually.
72.00	Left fork of ravine, 95 ft. below spur, drains S. 30° W.; asc. abrupt S. slope.
80.00	On steep S. slope, 110 ft. above ravine, on solid rock. Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in a mound of stone, for sec. cor., with a brass cap marked T15S R25E S 22 | S 23 S 27 | S 26 D 18

chains	
	From which,
	A cedar, 12 ins. dia., bears N. 21° E., 57 lks. dist., marked T15S R25E S23 BT
	A pinon, 12 ins. dia., bears S. 6° E., 105 lks. dist., marked T15S R25E S 26 BT
	A red pine, 16 ins. dia., bears N. 9° W., 40 lks. dist., marked T15S R25E S 22 BT.
	No SW. bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous broken by deep hollows.
	Soil, loose sandy loam and loose sandstone rock.
	Drainage, NW. into Chepeta Canyon.
	Undergrowth, dense sage service oak and buck brush.
	Timber, scattering cedars pinon and red pine.
	Grazing, good on all of mile.
	N. 89°57' E., on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect the N. and S. line 30 lks. N. of the cor. of secs. 23, 24, 25 and 26.
	Thence,
	N. 89°50' W., on true line bet. secs. 23 and 26.
	Desc. gradually over rolling mountain tops through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
9.45	Head of hollow, 110 ft. below sec. cor., course NW.; asc. gradually.
20.00	Top of spur, 145 ft. above hollow, projects NW.; desc. gradually.
31.15	Head of ravine, 160 ft. below spur, course N. 30° W.; asc. gradually.
40.10	On gentle E. slope, 45 ft. above ravine.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the groung, for ¼ sec. cor., with a brass cap marked
	¼ S 23 / S 26 1918

chains	
	From which,
	A red pine, 12 ins. dia., bears S. 54° E., 270 lks. dist., marked $\frac{1}{4}$ S 26 BT.
	No other bearing tree available.
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
53.60	Ridge, 125 ft. above $\frac{1}{4}$ sec. cor., bears N. 60° E. and S. 60° W.; desc. abruptly.
68.00	Head of ravine, 280 ft. below ridge, course SW.; asc. gradually.
80.20	The cor. of secs. 22, 23, 26 and 27, 65 ft. above ravine.
	Land, mountainous broken by deep ravines and hollows.
	Soil, loose sandy loam and loose sandstone.
	Drainage, NW. into Bitter Creek.
	Undergrowth, sage, service, buck and oak brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 0° 01' W., bet. secs. 22 and 23.
	Asc. abruptly over mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
13.30	Ridge, 275 ft. above sec. cor., bears E. and W.; desc. gradually.
25.65	Gulch, 175 ft. below spur, drains W. 10.00 chs. then N.; continue gradual descent.
40.00	On steep W. slope, 45 ft. below gulch, on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with a brass cap marked
	$\frac{1}{4}$ S 22 | S 23
	1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No bearing trees available.
51.80	Ridge, same level as $\frac{1}{4}$ sec. cor., bears NW. and SE.; desc. abruptly.

chains	
71.40	Canyon, 490 ft. below spur, course N. 10° W.; asc. gradually.
80.00	On steep W. slope, same level as bottom of canyon.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	T15S R25E S 15 | S 14 S 22 | S 23 1918
	From which,
	A red pine, 12 ins. dia., bears N. 22° W., 70 lks. dist., marked T15S R25E S 15 BT.
	No other bearing trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, mountainous broken by canyons and hollows.
	Soil, loose sandy loam, mixed with loose sandstone rock.
	Drainage, NW. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	S. 89°50' E., on random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect the N. and S. line 28 lks. S. of the cor. of secs. 13, 14, 23 and 24.
	Thence
	S. 89°58' W., on true line bet. secs. 14 and 23.
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
8.30	Head of hollow, 310 ft. below sec. cor., course N. 10° W.; asc. abrupt E. slope.
20.00	Spur, 320 ft. above hollow, projects N.; desc. gradually.
40.05	On gentle SW. slope, 215 ft. below spur, at foot of small ledge.

chains	
	Set an iron post 3 ft. long, 1 in. dia., 26 ins in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked
	$\frac{1}{4}$ S 14 / S 23 / 1918
	From which,
	A red pine. 12 ins. dia., bears S. 20° W., 35 lks. dist marked $\frac{1}{4}$ S 23 BT.
	A cross, (X) land B.T., 3 ft. directly above post, on SW. face of sandstone ledge.
	No other bearing trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
47.00	Hollow, 210 ft. below $\frac{1}{4}$ sec. cor., course NW.; asc. abrupt
68.00	Spur, 320 ft. above hollow, projects N.; desc. abruptly.
80.10	The cor. of secs. 14, 15, 22 and 23, 320 ft. below spur.
	Land, mountainous broken by deep hollows and ravines.
	Soil, loose sandy loam, mixed with loose sandstone. rock.
	Drainage, NW. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 0°01' W., bet. secs. 14 and 15.
	Desc. gradually along W. slope of ridge through dense undergrowth of sage, service, oak and buck brush and scattering cedars, pinon, aspen and red pine timber.
22.50	Canyon, 170 ft. below sec. cor., course N. 30° E.; asc. abruptly.
39.00	Point of spur, 200 ft. above canyon, projects E.; desc. abruptly.
40.00	Near top of spur, same level as spur.
	Set an iron post 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock and 14 ins. in a mound of stone, for $\frac{1}{4}$ sec. cor., with a brass cap marked

chains	
	$\frac{1}{4}$ S 15 | S 14 1918
	From which,
	A pinon, 14 ins. dia., bears S. 14° E., 82 lks. dist., marked $\frac{1}{4}$ S 14 BT.
	A cedar, 8 ins. dia., bears S. 54½° W., 22 lks. dist., marked $\frac{1}{4}$ S 15 BT.
57.70	Canyon, 325 ft. below $\frac{1}{4}$ sec. cor., course N. 30° W.; asc. abrupt SW. slpe.
80.00	On steep SW. slope, 350 ft. above canyon.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked
	T15S R25E
	S 10 | S 11
	S 15 | S 14
	1918
	From which,
	A red pine, 16 ins. dia., bears N. 63° E., 24 lks. dist., marked T15S R25E S 11 BT.
	A pinon, 16 ins. dia., bears S. 73½° E., 35 lks. dist., marked T15S R25E S 14 BT
	A pinon, 14 ins. dia., bears S. 31° W., 56 lks. dist., marked T15S R25E S 15 BT.
	A pinon, 10 ins. dia., bears N. 47° W., 44 lks. dist., marked T15S R25E S 10 BT.
	Land, mountainous broken by deep hollows.
	Soil, loose sandy loam, mixed with loose sandstone rock.
	Drainage, N. 30° W. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering, cedars, pinon, aspen and red pine.
	Grazing, exceedingly good on all of mile.
	N. 89°58' E., on random line bet. secs. 11 and 14.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the N. and S. line 30 lks. S. of the cor. of secs. 11, 12, 13 and 14.

chains

Thence

S. 89°45' W., on true line bet. secs. 11 and 14.

Asc. gradually over mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedars, piñon and red pine timber.

13.90 Stream of good clear water, 10 lks. wide, 4 ins. deep, in bottom of Bitter Creek Canyon, course N. 70° W.; asc. abrupt NE. slope.

15.10 Leave Bitter Creek Canyon, same level as sec. cor., bears SE. and NW.; asc. abruptly.

32.40 Intersect the bdy. of Indian allotment number 475, belonging to Minnie Witchits, N. 72°24' W., 38.20 chs. dist., of cor. number 5 of allotment number 475 and number 1 of allotment number 570 heretofore described.

At point of intersection: Set an iron post 3 ft. long, 1 in. in dia., 26 ins. in the ground, for C. C. of secs. 11 and 14, with a brass cap marked

T15S
R25E
S 11 C
S 14 C
M W
No 475
1918

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

No bearing trees available.

40.00 On steep NW. slope of spur, 670 ft. above sec. cor, projects NW.

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

¼ S 11 / S 14
1918

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

No bearing trees available; desc. abruptly.

48.00 Hollow, 230 ft. below ¼ sec. cor.; course N.; asc. abruptly

69.85 Spur, 580 ft. above hollow, projects NW.; desc. abruptly.

80.00 The cor. of secs. 10, 11, 14 and 15, 245 ft. below spur.

chains

Land, mountainous broken by deep hollows and canyons.
Soil, loose sandy loam, mixed with loose sandstone.
Drainage, N. into Bitter Creek.
Undergrowth, dense sage, service, oak and buck brush.
Timber, scattering cedars, pinon and red pine.
Grazing, good on all of mile.

N. 0°01' W. bet. secs. 10 and 11.

Asc. over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedars, pinon and red pine timber.

6.40 Spur, 70 ft. above sec. cor., projects NW.; desc. abrupt NE. slope through dense red pines into Bitter Creek.

15.10 On steep NE slope, in dense red pine timber, intersect the bdy. of Indian allotment number 475, belonging to Minnie Witchits, S. 72°24' E., 9.50chs. of cor. number 1 of allotment number 475 and number 5 of allotment number 572, which is an iron post, 1 in. dia., extending 12 ins. above the ground, with a brass cap marked

COR 5 COR 1
A | P
No 572 | No 475
W | C
1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 10 and 11, with a brass cap marked

M W
No 475
T15S | R25E
S 10 | S 11
C | C
1913

From which,

A red pine, 12 ins. dia., bears S. 41° E., 10 lks. dist., marked CC T15S R25E S 11 BT.

A red pine, 10 ins. dia., bears S. 84° W., 32 lks. dist., marked CC T15S R25E S 10 BT.

chains

22.50 Bitter Creek, on S. side of canyon, a stream of good clear water, 10 lks. wide, 5 ins. deep, 590 ft. below spur, course N. 60° W.; asc. gradually over rolling bottom of Bitter Creek Canyon.

29.00 Road, Baxter Pass, Colo, to Indian camps, bears N.70°W.& S.70

32.50 On gentle S. slope of Bitter Creek Canyon.

Intersect the bdy. of Indian allotment number 475 belonging to Minnie Witchits, S. 78°07' E., 986 lks. dist., of cor. number 4, of allotment number 572, and number 2 of allotment number 475, which is an iron post, 1 in. dia., extending 8 ins. above a mound of stone, with a brass cap marked

A P
COR 4 COR 2
No No
572 475
W C
1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 10 and 11, with a brass cap marked

T15S | R25E
S 10 | S 11
C | C
M W
No 475
1918

From which,

A pinon, 12 ins. dia., bears N. 26½° E., 224 lks. dist., marked CC T15S R25E S 11 BT.

No other bearing tree available.

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

40.00 On gentle SW. slope, 85 ft. above Bitter Creek.

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

¼
S 10 | S 11
1918

From which,

A pinon, 12 ins. dia., bears S. 45° E., 276 lks. dist.,

chains	
	marked ¼ S 11 BT.
	A cedar, 16 ins. dia., bears N. 62° W., 422 lks. dist., marked ¼ S 10 BT.
41.00	Mouth of hollow, same level as ¼ sec. cor.; course SW.; asc. gradually.
48.30	Leave canyon bottom and asc. abrupt E. slope of mountain, bears NW. and SE.
80.00	On steep E. slope, 620 ft. above ¼ sec. cor., Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 3	S 2
S 10	S 11

1918

From which,

A red pine, 24 ins. dia., bears N. 84° E., 8 lks. dist., marked T15S R25E S 2 BT.

A pinon, 12 ins. dia., bears S. 74½° E. 51 lks. dist., marked T15S R25E S 11 BT.

A cedar, 10 ins. dia., bears S. 23° W., 39 lks. dist., marked T15S R25E S 10 BT.

A pinon, 16 ins. dia., bears N. 46° W., 41 lks. dist., marked T15S R25E S 3 BT.

Land, mountainous broken by deep canyon and outcroppings of sandstone ledges.

Soil, loose sandy loam on the mountain sides and deep black clay loam in the canyon bottoms.

Drainage, NW. and SW. into Bitter Creek Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

	N. 89° 45' E., on random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect the N. and S. line at the cor. of secs. 1, 2, 11 and 12.
	Thence

chains

S. 89° 45' W., on true line bet. secs. 2 and 11.

Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

4.50 Spur, 65 ft. above sec. cor., projects SW.; desc. gradual

10.80 Head of hollow, 215 ft. below spur, course SW.; asc. gradually.

15.20 Spur, 185 ft. above hollow, projects SW.; desc. abruptly.

40.04 On steep NW. slope, 420 ft. below spur.

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

¼ S 2 / S 11 / 1918

From which,

A red pine, 10 ins. dia., bears N. 51° E., 35 lks. dist., marked ¼ S 2 BT.

A red pine, 11 ins. dia., bears S. 68¼° E., 125 lks. dist., marked ¼ S 11 BT.

63.10 Hollow, 285 ft. below ¼ sec. cor., course S. 20° W.; asc. abrupt SE. slope through dense red pine timber.

80.08 The cor. of secs. 2, 3, 10 and 11, 260 ft. above hollow.

Land, mountainous broken by deep hollows.

Soil, loose sandy loam.

Drainage, SW. into Bitter Creek.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

N. 0°03' E., on random line bet. secs. 2 and 3.

40.00 Set temp. ¼ sec. cor.

80.34 Intersect the N. bdy. of Tp. 7 lks. W. of the cor. of secs. 2, 3, 34 and 35.

Thence

S. 0°06' W., on true line bet. secs. 2 and 3.

Asc. over broken mountainous land through dense undergrowth of sage, service, oak and buck brush and scatt-

chains	
	ing cedar, pinon and red pine timber.
2.00	Canyon, 45 ft. below sec. cor., course W. 15.00 chs., then SW.; asc. abruptly through dense red pine timber.
11.00	Ridge, 260 ft. above canyon, bears N. 80° E. and S. 80° W.; desc. abruptly.
31.50	Ravine, 265 ft. below ridge, course SW.; asc. abruptly.
40.34	On steep NW. slope, 245 ft. above canyon, in dense red pine timber.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 3 | S 2 1918
	From which,
	A red pine, 16 ins. dia., bears S. 45° E., 45 lks. dist., marked ¼ S 2 BT.
	A red pine, 24 ins. dia., bears S. 80° W., 10 lks. dist., marked ¼ S 3 BT.
47.80	Ridge, 245 ft. above ¼ sec. cor., bears N. 60° E. and S. 60° W.; thence desc. gradually along E. slope of spur from ridge near top.
72.90	Point of spur, 125 ft. below ridge, projects SE.; desc. abruptly.
80.34	The cor. of secs. 2, 3, 10 and 11, 220 ft. below spur.
	Land, mountainous broken by deep canyons and hollows.
	Soil, loose sandy loam.
	Drainage, SE. and SW. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.

	From the standard cor. of secs. 33 and 34, on the S. bdy. of Tp. heretofore described.
	N. 0°02' W., bet. secs. 33 and 34.
	Desc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, aspen and red pine timber.

chains	
5.00	Leave aspen timber, bears SE. and NW.
8.00	Chepeta Canyon, 80 ft. below sec. cor., course NW.; asc. abrupt SW. slope.
32.00	Spur, 350 ft. above canyon, projects N. 20° W.; desc. gradually.
40.34	On steep NE. slope, 160 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked
	$\frac{1}{4}$ S.33 | S.34 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No bearing trees available.
46.95	Trail bears NE. and SW.
47.00	Canyon, 360 ft. below $\frac{1}{4}$ sec. cor.; course N. 60° W.; asc. abruptly.
60.00	Spur, 210 ft. above canyon, projects NW.; desc. gradually.
67.00	Ravine, 190 ft. below spur, course W.; asc. gradually.
69.85	Spur, 45 ft. above ravine, projects W.; desc. gradually.
72.14	Trail, bears E. and W.
74.40	Ravine, 115 ft. below spur, course W.; asc. abruptly.
80.34	On steep SE. slope, 210 ft. above ravine.
	Set an iron post 3 ft. long, 2 ins. dia., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for sec. cor., with a brass cap marked
	T15S R25E S 28 | S 27 S 33 | S 34 1918
	From which,
	A pinon, 16 ins. dia., bears N. 70° E., 145 lks. dist., marked T15S R25E S 27 BT/
	A pinon, 14 ins. dia., bears S. 35° E., 60 lks. dist., marked T15S R25E S 34 BT.
	A pinon, 8 ins. dia., bears S. 77° W., 118 lks. dist., marked T15S R25E S 33 BT.

chains	
	A pinon, 16 ins. dia., bears N. 81° W., 120 lks. dist., marked T15S R25E S 28 BT.
	Land, mountainous broken by deep ravines and canyons.
	Soil, loose sandy loam.
	Drainage, NW. into Chepeta Canyon.
	Undergrowth, dense sage, service, oak and buck brush and and scattering wheat grass.
	Timber, scattering cedars, pinon and red pine and scattering bunches of dense aspen timber.
	Grazing, exceedingly good on all of mile.
	East, on a random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the N. and S. line 40 lks. S. of the cor. of secs. 26, 27, 34 and 35.
	Thence
	S. 89°43' W., on true line bet. secs. 27 and 34.
	Desc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber and scattering bunches of dense aspen timber.
1.35	Divide, bet. the White and Grand Rivers, 45 ft. above sec. cor., bears N. and S.; desc. gradually.
3.50	Head of gulch, 40 ft. below ridge, drains SW.; asc. gradually.
12.75	Spur, 35 ft. above gulch, projects SW.; desc. abruptly.
29.50	Ravine, 415 ft. below spur, course N. 30° W.; asc. abruptly.
34.30	Point of spur, 110 ft. above ravine, projects N.; desc. abruptly through dense aspen, bears NW. and SE.
40.02	On gentle NW. slope, 60 ft. below spur, in dense aspen timber.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 27 / S 34
	1918

chains

From which,

A aspen, 8 ins. dia., bears S. 3° E., 22 lks. dist., marked ¼ S 34 BT.

A aspen, 8 ins. dia., bears N. 5° W., 4 lks. dist., marked ¼ S 27 BT.

42.00 Ravine, 20 ft. below ¼ sec. cor., course NE. 10.00 chs., then NW.; asc. abruptly.

43.00 Leave dense aspen timber, bears NE. and SW.

55.75 Ridge, 420 ft. above ravine, bears N. 30° E. and S. 30° W desc. abruptly.

65.00 Ravine, 210 ft. below ridge, course SW.; asc. gradually.

80.04 On steep SE. slope, 265 ft. above ravine, the cor. of secs. 27, 28, 33 and 34.

Land, mountainous broken by deep canyons and ravines.

Soil, loose sandy loam ~~subsoil~~ on the mountain sides and deep black clay loam in the bottoms of the ravines.

Undergrowth, dense sage, service, oak and buck brush and scattering wheat grass.

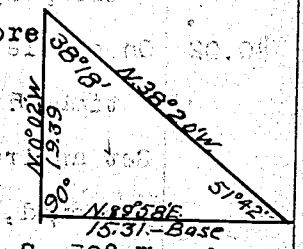
Timber, scattering cedars, pinon and red pine and dense bunches of aspen timber.

Grazing, exceedingly good on all of mile.

N. 0° 02' W., bet. secs. 27 and 28.

Asc. abrupt SE. slope through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber through which it is impossible to chain, I therefore determine the distance as follows: Set a flag N. 0°02' W., on line and from the cor of secs 27, 28, 33 and 34, run a base line, N. 89°58' E., 15.31 chains dist., from this point, later flag on line bears N. 38°20' W., the distance is therefore Tang. 51° 42' x base=

1.26622 x 15.31 = 19.39 chs.



19.39 To point of triangulation.

22.00 Spur, 230 ft. above sec. cor., projects S. 70° W.; desc. abrupt NW. slope.

40.00 Falls on steep NW. slope in slide rock, no cor set.

chains.

43.00 Ravine, 310 ft. below spur, drains NW.; asc. abrupt SW. slope.

49.00 Slope become more gradual.

53.30 On gentle SW. slope, 280 ft. above ravine, on solid rock. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for witness cor. to $\frac{1}{4}$ sec. cor., of secs. 27 and 28, with a brass cap marked

$\frac{1}{4}$

S 28 | S 27

W C

1918

From which,

A red pine, 5 ins. dia., bears S. 40° E., 380 lks. dist., marked WC $\frac{1}{4}$ S 27 BT.

A red pine, 5 ins. dia., bears S. 84° W., 216 lks. dist., marked WC $\frac{1}{4}$ S 28 BT.

69.25 Ridge, 210 ft. above witness $\frac{1}{4}$ sec. cor., bears NW. and SE.; desc. abrupt NE. slope.

80.00 On steep NE. slope, 185 ft. below ridge. Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 21 | S 22

S 28 | S 27

1918

From which,

A red pine, 5 ins. dia., bears N. 45° E., 52 lks. dist., marked T15S R25E S 22 BT.

A red pine, 6 ins. dia., bears S. 50° E., 50 lks. dist., marked T15S R25E S 27 BT.

A red pine, 8 ins. dia., bears S. 55° W., 35 lks. dist., marked T15S R25E S 28 BT.

A red pine, 6 ins. dia., bears N. 67° W., 120 lks. dist., marked T15S R25E S 21 BT.

Land, mountainous broken by deep canyons and ravines.

Soil, loose sandy loam.

Drainage, NW. into Chepeta Canyon.

Subdivision of T. 15 S., R. 25 E.

chains	
	Undergrowth, dense sage, service, oak and buck brush and scattering wheat grass.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 89°43' E., on random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect the N. and S. line 9 lks. N. of the cor. of secs. 22, 23, 26 and 27.
	Thence
	S. 89°47' W., on true line bet. secs. 22 and 27.
	Asc. abruptly over rough broken mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, aspen and red pine timber.
10.20	Spur, 130 ft. above sec. cor., projects S.; desc. abruptly
19.70	Gulch, 155 ft. below spur, drains SW.; asc. abruptly.
31.50	Spur, 230 ft. above gulch, projects SW.; desc. abruptly.
40.10	On gentle SW. slope, 200 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 22 / S 27 / 1918
	From which,
	A aspen, 8 ins. dia., bears S. 79° W., 250 lks. dist., marked ¼ S 27 BT.
	No other bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
43.10	Hollow, 20 ft. below ¼ sec. cor., course NW.; asc. abruptl
56.65	Spur, 300 ft. above hollow, projects N. 30° W.; desc. abruptly.
63.37	Canyon, 245 ft. below spur, course N. 30° W.; asc. abrupt E. slope through dense red pine timber.
76.30	Spur, 245 ft. above canyon, projects N.; desc gradually.
80.20	The cor. of secs. 21, 22, 28 and 27, 85 ft. below spur.

chains

Land, mountainous broken by deep canyons.

Soil, loose sandy loam

Drainage, NW. into Bitter Creek.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon, aspen and red pine.

Grazing, good on all of mile.

N. 0°02' W., bet. secs. 21 and 22.

Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and dense red pine and scattering cedar and pinon timber.

27.40 Hollow, 660 ft. below sec. cor., course NW. asc. abruptly over broken sandstone ledges and through dense red pines.

33.94 As the true point for ¼ sec. cor., will fall on inaccessible ledges, therefore at this point

On gentle SW. slope on E. side of hollow, 25 ft. above bottom.

Set an iron post 3 ft. long, 1 in. dia., 26 ins in the ground, for witness cor, to ¼ sec. cor., of secs. 21 and 22, with a brass cap marked

¼
W | C
S 21 | S 22
C
1918

From which,

A red pine, 16 ins. dia., bears S. 45° E., 325 lks. dist., marked WC ¼ S 22 BT.

A red pine, 28 ins. dia., bears N. 36° W., 830 lks. dist., marked WC ¼ S 21 BT.

As it is impracticable to chain or triangulate N. from this point on account of broken sandstone ledges, therefore proceed as follows by traverse; West 7.08 chs., thence, N. 24°00' W., 50.13 chs., thence, East, 27.45 chs., thence, N. 0°02' W., 26 lks. to point for cor.

80.00 On steep W. slope, 810 ft. above witness ¼ sec. cor.

Set an iron post 3 ft. long, 2 ins. dia., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for sec. cor., with a brass cap marked

Subdivision of T. 15 S., R. 25 E.

chains	
	T15S R25E S 16 | S 15 S 21 | S 22 1918
	From which,
	A red pine, 14 ins. dia., bears N. 60° E., 21 lks. dist., marked T15S R25E S 15 BT.
	A red pine, 12 ins. dia., bears S. 10½° E., 15 lks. dist., marked T15S R25E S 22 BT.
	A red pine, 10 ins. dia., bears S. 78° W., 132 lks. dist., marked T15S R25E S 21 BT.
	A red pine, 15 ins. dia., bears N. 89° W., 110 lks. dist., marked T15S R25E S 16 BT.
	Land, mountainous broken by deep hollows and sandstone ledges.
	Soil, loose sandy loam, mixed with loose sandstone rock.
	Drainage, NW. into Chepeta Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars and pinon and scattering bunches of dense red pine.
	Grazing, exceedingly good on all of mile.
	N. 89°47' E., on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.38	Intersect the N. and S. line 19 lks. N. of the cor. of secs. 14, 15, 22 and 23.
	Thence
	S. 89°55' W., on true line bet. secs. 15 and 22.
	Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
5.35	Hollow, 115 ft. below sec. cor.; course N.; asc. abrupt, E slope.
23.85	Ridge, 310 ft. above hollow, bears N. and S.; desc. gradually.
40.19	On gentle W. slope 80 ft. below ridge.

chains	
	Set an iron post 3 ft. long, 1 in. dia., 6 ins. in the ground to solid rock and 20 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked.
	S 15 / ¼ / S 22
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees available.
48.05	Ravine, 160 ft. below ¼ sec. cor., course N. asc. gradually.
62.75	Ridge, 210 ft. above ravine, bears N. 30° W. and S. 30° E.; desc. abruptly.
80.38	The cor. of secs. 15, 16, 21 and 22, 320 ft. below ridge.
	Land, mountainous broken by deep ravines and hollows.
	Soil, loose sandy loam, mixed with loose sandstone.
	Drainage, N. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 0°02' W., bet. secs. 15 and 16.
	Asc. abruptly over rough mountainous land, through dense undergrowth of sage, service, oak and buck brush and dense cedar, pinon and red pine timber.
5.80	Ravine, 30 ft. above sec. cor., course SW.; continue abrupt ascent.
22.55	Ridge, 450 ft. above ravine, bears N. 10° W. and S. 30° E.; desc. gradually NE. slope of ridge near top.
26.45	Trail, bears N. 10° W. and S. 30° E.
40.00	On gentle E. slope of ridge, 75 ft. below top.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼
	S 16 | S 15
	1918

Subdivision of T. 15 S., R. 25 E.

chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
52.50	Spur, 40 ft. below ¼ sec. cor., projects N. 30° E.; desc. gradually.
80.00	On steep NW. slope, 120 ft. below spur.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 9	S 10
S 16	S 15

1918

From which,

A pinon, 10 ins. dia., bears S. 0°30' E., 258 lks. dist., marked T15S R25E S 15 BT.

A pinon, 14 ins. dia., bears S. 36° W., 286 lks. dist., marked T15S R25E S 16 BT.

A pinon, 10 ins. dia., bears N. 59° W., 290 lks. dist., marked T15S R25E S 9 BT.

No NE. bearing tree available.

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

Land, mountainous broken by deep ravines and sandstone ledges.

Soil, loose sandy loam, mixed with loose sandstone.

Drainage, SW. into Chepeta Canyon and N. into Bitter Creek Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, dense cedars, pinon and red pine.

Grazing, good on all of mile.

	N. 89°55' E., on random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.30	Intersect the cor. of secs. 10, 11, 14 and 15 .
	Thence
	S. 89°55' W., on true line bet. secs. 10 and 15.

chains	
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
17.50	Hollow, 320 ft. below sec. cor., course N. 10° W.; asc. abrupt E. slope.
32.50	Spur, 295 ft. above hollow, projects N.; desc. abruptly.
36.00	Ravine, 195 ft. below spur, course N.; asc. abruptly.
40.15	Point for ¼ sec. cor. falls on steep E. slope in slide rock rock, no cor. set.
49.00	On top of spur, 320 ft. above ravine, projects N.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to ¼ sec. cor. of secs. 10 and 15, with a brass cap marked
	$\frac{1}{4}$. $\frac{S\ 10}{S\ 15}$ WC
	1918
	From which,
	A pinon, 10 ins. dia., bears S, 51° W., 100 lks. dist., marked WC ¼ S 15 BT.
	A red pine, 10 ins. dia., bears N. 25¼° W., 165 lks. dist., marked WC ¼ S 10 BT.
	Desc. abrupt W. slope of spur.
61.80	Ravine, 420 ft. below spur, course N.; asc. abruptly.
72.00	Ridge, 380 ft. above ravine, bears N. and S.; desc. abruptly through dense red pine timber.
80.30	The cor. of secs. 9, 10, 15 and 16, 285 ft. below ridge.
	Land, mountainous broken by deep ravines.
	Soil, loose sandy loam, mixed with loose sandstone.
	Drainage, N. into Bitter Creek Canyon.
	Undergrowth, dense sage, service oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 0°02' W., bet. secs. 9 and 10.
	Desc. gradually over rough mountainous land through dense undergrowth of sage, service oak and buck brush and

Subdivision of T. 15 S., R. 25 E.

chains.

scattering cedar, pinon and red pine timber.

9.10 Red pine timber becomes dense, bears SE. and NW.

37.00 Ravine, 680 ft. below sec. cor., course N. 20° E.; asc. gradually.

40.00 On W. side of ravine, at foot of broken ledgy spur, 10 ft above ravine.

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

¼

S 9 | S 10

1918

From which,

A red pine, 8 ins. dia., bears S. 70½° E., 268 lks. dist., marked ¼ S 10 BT.

A cedar, 8 ins. dia., bears S. 79½° W., 151 lks. dist., marked ¼ S 9 BT.

49.50 Spur, 210 ft. above ¼ sec. cor., projects NE.; desc. abruptly through dense red pines.

53.82 On steep N. slope, 120 ft. below spur, in dense red pine timber: Intersect the bdy. of Indian allotment number 388, belonging to Mary Wapinas, N. 63°34' W., 11.73 chs. dist., of cor. number 6 of allotment number 388, and cor. number 1 of allotment number 572, which is an iron post 1 in. dia., extending 10 ins. above the ground with a brass cap marked

No 388 | No 572

6 | 1

A W | P C

1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 9 and 10, with a brass cap marked

M W.

No 388

T15S | R25E

S 9 | S 10

C | C

1918

chains

From which,

A pinon, 10 ins. dia., bears S. 37½° E., 42 lks. dist., marked CC T15S R25E S 10 BT.

A pinon, 12 ins. dia., bears S. 41½° W., 43 lks. dist., marked CC T15S R25E S 9 BT.

63.60 Bitter Creek, stream of good clear water, 10 lks. wide, 5 ins. deep, 280 ft. below C. C., course N. 60° W.; thence, over rolling bottom of Bitter Creek Canyon.

65.50 Center of Indian camp.

69.20 Six wire fence, bears N. 30° E. and S. 30° W.

75.36 On gentle S. slope, 40 ft. above Bitter Creek.

Intersect the bdy. of Indian allotment number 388, belonging to Mary Wapinas, N. 53°47' W., 11.80 chs. dist., of cor. number 5 of allotment number 388, and number 2 of allotment number 572, which is an iron post 1 in. in dia., extending 10 ins. above the ground, with a brass cap marked

A P
COR 5 | No 2
388 | 572
W | C
1918

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 9 and 10, with a brass cap marked

T15S | R25E
S 9 | S 10
C | C
M | W
No 388
1918

From which,

A cedar, 10 ins. dia., bears N. 59½° E., 280 lks. dist., marked CC T15S R25E S 10 BT.

No other trees available.

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

76.50 Road from Baxter Pass, Colo. to Indian camps, bears N. 60° W. and S. 60° E.

80.00 On gentle S. slope on N. side of Bitter Creek Canyon, 20 ft. above C. C.

chains.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 4	S 3
S 9	S 10

1918

From which,

A cedar, 12 ins. dia., bears N. 75° E., 300 lks. dist., marked T15S R25E S 3 BT.

A red pine, 16 ins. dia., bears S. 85° E., 276 lks. dist., marked T15S R25E S 10 BT.

A pinon, 10 ins. dia., bears N. 85° W., 348 lks. dist., marked T15S R25E S 4 BT.

No SW. bearing tree available.

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

Land, rough mountains broken by deep ravines and hollows.

Soil, loose sandy loam, mixed with loose sandstone, rock on the mountain sides, deep sandy loam in the canyon bottoms.

Drainage, N. 20° E. and NW. into Bitter Creek Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars and pinon and dense bunches of red pine.

Grazing, exceedingly good on all of mile.

N. 89°55' E., on random line bet. secs. 3 and 10.

40.00 Set temp. ¼ sec. cor.

80.40 Intersect the N. and S. line 28 lks. S. of cor. of secs. 2, 3, 10 and 11.

Thence,

S. 89°43' W., on true line bet. secs. 3 and 10.

Asc. abruptly over rough mountainous land broken by outcroppings of sandstone ledges through dense undergrowth of sage, service, oak and buck brush and dense cedar, pinon and red pine timber.

20.00 Ridge, 600 ft. above sec. cor., bears N. and S.; desc.

chains.	
28.30	Gulch, 210 ft. below ridge, drains SW.; asc. abruptly.
40.20	On steep SE. slope, 180 ft. above gulch.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 3 / S 10 / 1918
	From which,
	A cedar, 6 ins. dia., bears N. 21½° E., 4 lks. dist., marked ¼ S 3 BT.
	A cedar, 8 ins. dia., bears S. 39° E., 25 lks. dist., marked ¼ S 10 BT.
42.40	Spur, 110 ft. above ¼ sec. cor., projects SW.; asc. abruptly.
61.30	Ravine, 430 ft. below spur, course SW.; asc. abruptly.
70.00	South point of spur, 280 ft. above ravine, projects SW.; desc. gradually.
80.40	The cor. of secs. 3, 4, 9 and 10, 115 ft. below spur.
	Land, rough and mountainous broken by outcroppings of sandstone ledges.
	Soil, loose sandy loam, mixed with loose sandstone.
	Drainage, SW. into Bitter Creek Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, dense cedars, pinon and red pine.
	Grazing, Fair on all of mile.
	N. 0°06' E., on random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.,
80.30	Intersect the N. bdy. of Tp. 2 lks. E. of cor. of secs. 3, 4, 33 and 34.
	Thence,
	S. 0° 05' W., on true line bet. secs. 3 and 4.
	Desc. abruptly over rough mountainous land broken by outcroppings of sandstone ledges and through dense undergrowth of sage, service, oak and buck brush and scattering cedar and pinon and dense red pine timber.
9.30	Ravine, 315 ft. below sec. cor., course SW.; asc. abruptly.

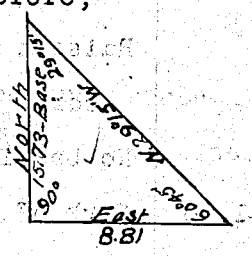
Subdivision of T. 15 S., R. 25 E.

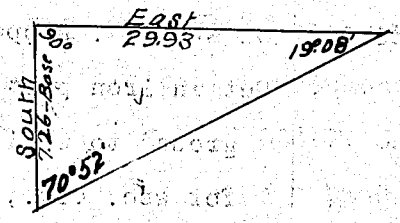
chains	
27.20	Spur, 430 ft. above ravine, projects SW.; desc. abruptly.
40.30	On steep SE. slope, 320 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ / S 4 | S 3 / 1918
	From which,
	A cedar, 10 ins. dia., bears N. 80° E., 10 lks. dist., marked ¼ S 3 BT.
	A cedar, 10 ins. dia., bears N. 68½° W., 17 lks. dist., marked ¼ S 4 BT.
42.10	Ravine, 110 ft. below ¼ sec. cor., course SW.; asc. abruptly.
50.30	Spur, projects SW., 420 ft. above ravine, desc. abruptly.
80.30	The cor. of secs. 3, 4, 9 and 10, 710 ft. below spur.
	Land, rough and mountainous broken by outcroppings of sandstone ledges.
	Soil, shallow sandy loam, mixed with loose sandstone.
	Drainage, SW. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars and pinon and dense red pine.
	Grazing, good on all of mile.
	From the standard cor. of secs. 32 and 33, on the S bdy. of Tp. heretofore described.
	N. 0°03' W., bet. secs. 32 and 33.
	Desc. abruptly over rough mountainous land broken by outcroppings of sandstone ledges over which it is impossible to chain; I therefore determine the distance by triangulation as follows. Set a flag N. 0°03' W. on line and from the cor. of secs. 32 and 33, run a base line, N. 89°57' E., 19.97 chs. dist., and erect a flag. From this flag, latter flag bears N. 55°48' W., the dist. is therefore,

chains	
	tang. 54° 15' x base=
	1.38909 x 19.97 = 27.74 chs.
	Approximate topography from standard sec. cor. to point of triangulation.
2.00	Enter dense aspen, bears NW. and SE.
18.00	Fork of Chepeta Canyon, 250 ft. below sec. cor., course NW.; asc. abrupt SW. slope over broken sandstone ledges.
22.00	Leave aspen timber, bears NW. and SE.
27.74	To point of triangulation, on point of ledge spur, 590 ft. above canyon, projects N. 60° W.; desc. abrupt NW. slope.
40.00	On steep NW. slope, near bottom of fork of Chepeta Canyon, 290 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 16 ins. in the ground to solid rock and 10 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S 32 | S 33 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
41.90	Fork of Chepeta Canyon, 30 ft. below ¼ sec. cor., course W.; asc. abrupt SE. slope.
61.35	Spur, 450 ft. above canyon, projects W.; desc. abrupt NW. slope.
70.50	Ravine, 240 ft. below spur, course NW.; desc. gradually along steep W. slope.
80.00	On steep W. slope, 40 ft. below ravine.
	Set an iron post 3 ft. long, 2 ins. dia., 16 ins. in the ground to solid rock and 8 ins. in a mound of stone, for sec. cor., with a brass cap marked
	T15S R25E S 29 | S 28 S 32 | S 33 1918

Subdivision of T. 15 S., R. 25 E.

chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land, rough and mountainous broken by outcroppings of sandstone ledges and by deep canyons and ravines.
	Soil, shallow loose sandy loam.
	Drainage, W. and NW. into Chepeta Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine and scattering bunches of aspen.
	Grazing, exceedingly good on all of mile.
	East, on random line bet. secs. 28 and 33.
40.00	Broken sandstone ledges making it impossible to chain E. from the cor. of secs. 28, 29, 32 and 33, I determine the dist. by triangulation as follows: Set a flag E. at top of ridge and from sec. cor., run a base line, N. 15.73 chs. dist.; from flag on line E., later flag bears N. 29°15' W., the dist. is therefore, cotang. 60° 45' x base = .56003 x 15.73 = 8.81 chs.
8.81	To point of triangulation.
40.00	Set temp. ¼ sec. cor.
49.38	Broken sandstone ledges making it impossible to continue chaining E., I determine the dist. by triangulation as follows: Set a flag E. on line and from 49.38 chs. point run a base line S., 7.26 chs. dist.; from this point, latter point bears N. 70°52' E., the dist. is therefore tang. 70°52' x base = 2.88240 x 7.26 = 20.93 chs. 20.93 + 49.38 = 70.31 chs.
70.31	To point of triangulation.
80.10	Intersect the N. and S. line 21 lks. S. of the cor. of secs. 27, 28, 33, and 34.
	Thence
	S. 89°51' W., on true line bet. secs. 28 and 33.





chains	
	Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, aspen and red pine timber.
8.30	Spur, 310 ft. above sec. cor., projects about 20.00 chs. SW.; desc. abruptly.
9.79	To point of triangulation.
30.72	To point of triangulation.
33.00	Bottom of Chepeta Canyon, dry, 730 ft. below spur, course N. 20° W.; asc. abruptly.
38.80	Spur, 95 ft. above canyon, projects N., about 3.00 chs. dist.; desc. abruptly.
40.05	On steep NW. slope, 20 ft. below spur.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 28 / S 33 1918
	From which,
	A aspen, 5 ins. dia., bears S. 88° W., 88 lks. dist., marked ¼ S 33 BT.
	A aspen, 5 ins. dia., bears N. 89° W., 70 lks. dist., marked ¼ S 28 BT.
58.00	Fork of Chepeta Canyon, 450 ft. below spur, course NE.; asc. abruptly.
71.29	To point of triangulation on top ridge, 580 ft. above fork of canyon, bears N. 20° E. and S. 20° W.; desc. abruptly.
80.10	The cor. of secs. 28, 29, 32 and 33, 310 ft. below ridge.
	Land, rough and mountainous broken by outcroppings of sandstone ledges.
	Soil, shallow loose sandy loam.
	Drainage, N. into Chepeta Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine and scattering bunches of aspen.
	Grazing, good on all of mile.

Subdivision of T. 15 S., R. 25 E.

chains	
	N. 0°03' W., bet. secs. 28 and 29.
	Asc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedars, pinon, aspen and red pine timber.
.50	Spur, 10 ft. above sec. cor., projects W.; desc. graduall
3.60	Ravine, 40 ft. below spur, course SW.; asc. abruptly.
18.40	Spur, 330 ft. above ravine, projects SW.; asc. gradually along W. slope of ridge.
40.00	On top of ridge, 40 ft. above spur, bears S. 30° E. and N. 30° W.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 29 | S 28 1918
	From which,
	A pinon, 5 ins. dia., bears S. 48° W., 54 lks. dist., marked ¼ S. 29 BT.
	No other bearing trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
53.80	Spur, 40 ft. below ridge, projects N. 60° E.; desc.
61.05	Ravine, 80 ft. below spur, course N. 60° E.; asc.
72.05	Spur, 60 ft. above ravine, projects N. 60° E., desc.
80.00	On gentle N. slope, 110 ft. below spur.
	Set an iron post 3 ft. long, 2 ins. dia., 18 ins. in the ground to solid rock and 6 ins. in a mound of stone, for sec. cor., with a brass cap marked
	T15S R25E S 20 | S 21 S 29 | S 28 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land, mountainous broken by deep ravines.

chains

Soil, loose sandy loam, mixed with loose sandstone.

Drainage, NE. and SW. into Chepeta Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon, aspen and red pine.

Grazing, good on all of mile.

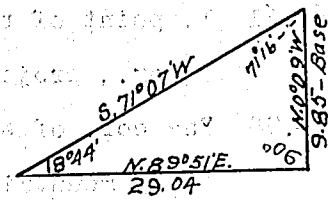
N. 89°51' E., on random line bet. secs. 21 and 28.

14.37 It being impracticable to chain east, I determine the dist. by triangulation as follows.; erect a flag at this point and also one in bottom of canyon E. on line, from this flag, measure a base line, N. 0°09' W., 9.85 chs. dist.; from this flag, latter flag bears S. 71°07' W., the distance is therefore,

tang. 71° 16' x base=

2.94872 x 9.85 = 29.04 chs.

14.37 chs. + 29.04 chs = 43.41 chs.



43.41 To point of triangulation, measure S. 89°51' W., 3.41 chs.

40.00 Set temp. ¼ sec. cor.

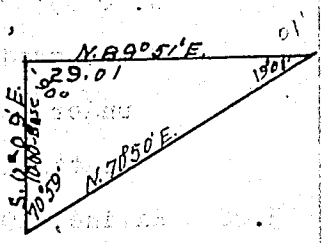
It being impracticable to chain E. from the 43.41 chs. point, I determine the distance as follows.

Set a flag N. 89°51' E. on line and erect a flag; from the 43.41 chs. point, measure a base line, S. 0°09' E., 10.00 chs. dist., from this point, latter flag bears N. 70°50' E., the dist. is therefore,

tang. 70° 59' x base=

2.90147 x 10.00 = 29.01 chs

29.01 chs. + 43.41 chs. = 72.42 chs.



72.42 To point of triangulation.

79.98 Intersect the N. and S. line 37 lks. N. of cor. of secs. 21, 22, 27 and 28.

Thence

N. 89°53' W., on true line bet. secs. 21 and 28.

Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

7.56 To point of triangulation on spur, 200 ft. above sec. cor.,

chains

desc. abruptly.

36.57 To point of triangulation in bottom of Chepeta Canyon, 730 ft. below spur, course N. 10° W.; asc. gradually.

39.99 On gentle E. slope, 10 ft. above canyon.

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

1 S 21
S 28
1918

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

No bearing trees available.

65.61 To point of triangulation on spur, 780 ft. above ¼ sec. cor., projects NE.; desc. abruptly.

79.98 The cor. of secs. 20, 21, 28 and 29, 45 ft. below spur.

Land, mountainous broken by deep canyons and sandstone ledges.

Soil, loose sandy loam, mixed with loose sandstone.

Drainage, N. into Chepeta Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

N. 0°03' W., bet. secs. 20 and 21.

Desc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, aspen and red pine timber.

3.00 Ravine, 20 ft. below sec. cor., course NE.; asc. abrupt SE. slope.

30.05 Spur, 60 ft. above ravine, projects N. 30° E.; desc. abrupt NW. slope.

40.00 On abrupt NW. slope 190 ft. below spur.

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

¼
S 20 | S 21
1918

chains.

From which,

A pinon, 12 ins. dia., bears N. 38° E., 198 lks. dist., marked $\frac{1}{4}$ S 21 BT.

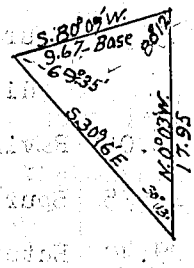
A pinon, 8 ins. dia., bears N. 33° W., 302 lks. dist., marked $\frac{1}{4}$ S 20 BT.

49.50 Spur, same level as $\frac{1}{4}$ sec. cor., projects N. 20° W., thence desc. gradually along E. slope of spur near top.

54.10 Same spur, 40 ft. above $\frac{1}{4}$ sec. cor., projects N., thence desc. gradually along top of spur.

62.11 Leave spur, 40 ft. below point of entering, projects N. 10° E., thence desc. abruptly over broken N. slope, over which it is impossible to chain, I therefore determine the dist. by triangulation as follows; Set a flag N. 0°03' W. in bottom of canyon on line and erectta flag; from this flag, measure a base line, S. 80°09' W., 9.67 chs. dist.; from this point, flag at 62.11 chs. point, bears S. 30°16' E., the dist. is therefore

$$\frac{\text{log sin. } 69°35' \times \text{log } 9.67}{\text{log sin. } 39°19'} =$$



log sin. 69°35' = 9.971823
log 9.67 .985426
co log 30°13' = 0.298197

log x = 1.255448
18.01

18.01 chs. + 62.11 chs. = 80.12 chs. or dist. to point of triangulation; measure S. 0°03' E. 12 lks. dist. to true point for sec. cor.

Approximate topography between points of triangulation.

77.10 Stream of good clear water, 10 lks. wide, 4 ins. deep, in fork of Chepeta Canyon, 3.90 ft. below spur, course N. 80° E.; asc. gradually.

80.00 In bottom of fork of Chepeta Canyon, 10 ft. above stream. Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 17	S 16
S 20	S 21

1918

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

Subdivision of T. 15 S., R. 25 E.

chains	
	Land, mountainous broken by deep canyons and ravines.
	Soil, loose sandy loam.
	Drainage, N. into Chepeta Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon, aspen and red pine.
	Grazing, good on all of mile.
	S. 89°53' E. on random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.14	Intersect the N. and S. line 42 lks. S. of cor. of secs. 15, 16, 21 and 22.
	Thense,
	S. 89°49' W., on true line bet. secs. 16 and 21.
	Desc. abruptly over rough mountainous land through dense sage, service, oak and buck brush and scattering cedar, pinon, aspen and red pine timber.
4.50	Ravine, 20 ft. below sec. cor., course SW.; asc. abruptly
5.30	Spur, 15 ft. above ravine, projects S., about 1.00 ch. dist.; desc. abruptly.
6.00	Ravine, 20 ft. below spur, course S.; asc. abruptly.
13.95	Spur, 380 ft. above ravine, projects SW.; desc. abruptly.
29.40	Enter bottom of fork of Chepeta Canyon, bears SE. and NW.; desc. gradually along bottom of canyon.
39.85	Fork of Chepeta Canyon, dry, 35 ft. below point of entering canyon, course NW.; asc. gradually.
40.07	On rolling NW. side of Chepeta Canyon, 20 ft. above botto
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 16 / S 21
	1918.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N, of cor.
	No bearing trees available.
42.90	Leave bottom of canyon, bears NW. and SE.; asc abruptly
59.40	Spur, 310 ft. above ¼ sec. cor., projects NW.; desc. abruptly.

Subdivision of T. 15 S., R. 25 E.

chains	
67.90	Stream of good clear water, 4 lks. wide 2 ins. deep, in bottom of Chepeta Canyon, 210 ft. below spur, course N.
74.00	Point of low spur, 20 ft. above fork of canyon, projects N.; desc. gradually.
75.00	Spring of good clear water, bears S., 75 lks. dist.
77.10	Stream of good clear water, 10 lks. wide, 4 ins. deep, in fork of Chepeta Canyon, 10 ft. below spur, course N. 80° E.; asc. gradually.
80.14	The cor. of secs. 16, 17, 20 and 21, 15 ft. above stream.
	Land, mountainous broken by deep canyons.
	Soil, shallow sandy loam ~~subsoil~~ on mountain sides, deep black clay loam in canyon bottoms.
	Drainage, NW. into Chepeta Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon, aspen and red pine.
	Grazing, exceedingly good on all of mile.
	N. 0°03' W., bet. secs. 16 and 17.
	Asc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, and red pine timber.
1.70	Log cabin, bears W., 80 lks. dist.
4.00	Pole fence, bears NE. and SW.
4.40	Road, bears NE. and SW.
8.00	Spur, 115 ft. above sec. cor., projects E., 3.00 chs. dist.; desc. abruptly.
14.75	Ravine, 210 ft. below spur, course NE.; asc. abruptly.
17.00	Spur, 115 ft. above ravine, projects E., about 8.00 chs. dist.; desc. abruptly.
34.00	Enter rolling bottom of Chepeta Canyon, bears N. 30° W. and S. 30° E.; desc. gradually.
34.16	Small pole corral, bears E., 20 lks. dist.
40.00	In rolling bottom of Chepeta Canyon, 210 ft. below spur. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

Subdivision of T. 15 S., R. 25 E.

Chains

$\frac{1}{4}$

S 17 | S 16

1918

From which,

A pinon, 18 ins. dia., bears N. 55° W., 530 lks. dist., marked $\frac{1}{4}$ S 17 BT.

No other bearing trees available.

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

40.80 Trail, bears S. 30° E. and N. 30° W.

43.70 Stream of good clear water, 10 lks. wide, 4 ins. deep, in bottom of Chepeta Canyon, 20 ft. below $\frac{1}{4}$ sec. cor., course N. 30° W.; asc. gradually.

50.85 Road, bears S. 30° E. and N. 30° W.

65.00 Leave Chepeta Canyon, bears N. 30° W. and S. 30° E.; asc. abruptly.

73.40 Point of spur, 115 ft. above canyon, projects N.W.; desc. abruptly.

74.90 Mouth of ravine, 85 ft. below spur, course W.; asc. abruptly.

80.00 On abrupt SW. slope, 80 ft. above ravine.

Set an iron post 3 ft. long, 2 ins. dia., 10 ins. in the ground to solid rock and 14 ins. in a mound of stone, for sec. cor., with a brass cap marked

T15S R25E

S 8 | S 9

S 17 | S 16

1918

From which,

A red pine, 18 ins. dia., bears N. 8° E., 15 lks. dist., marked T15S R25E S 9 BT.

A red pine, 20 ins. dia., bears S. 6° E., 14 lks. dist., marked T15S R25E S 16 BT.

A pinon, 6 ins. dia., bears S. $88\frac{1}{4}$° W., 105 lks. dist., marked T15S R25E S 17 BT.

A red pine, 16 ins. dia., bears N. 77° W., 113 lks. dist., marked T15S R25E S 8 BT.

chains	
	Land, mountainous broken by outcroppings of sandstone ledges and deep canyons.
	Soil, shallow sandy loam.
	Drainage, N. 30° W., into Chepeta Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, fair on all of mile.
	N. 89°49' E., on random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
79.80	Intersect the N. and S. line 5 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.
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering, cedar, pinon and red pine timber.
4.10	Ravine, 120 ft. below sec. cor., course N. 10° E.; asc. abruptly.
23.55	Ridge, 230 ft. above ravine, bears N. 30° E. and S. 30° W.; desc. abruptly.
38.30	Ravine, 210 ft. below ridge, course NW.; asc. abruptly.
39.90	On steep NE. slope, 40 ft. above ravine.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 9 / S 16 / 1918
	From which,
	A red pine, 8 ins. dia., bears S. 40° W., 134 lks. dist., marked ¼ S 16 BT.
	A red pine, 16 ins. dia., bears N. 61° W., 205 lks. dist., marked ¼ S 9 BT.
41.00	Spur, 30 ft. above ¼ sec. cor., projects N., 2.00 chs. dist.; desc. abruptly.
44.60	Ravine, 50 ft. below spur, course N. 30° E., asc. abruptly.

chains

54.90 Ridge, 110 ft. above ravine, bears N. and S.; desc. abruptly.

69.40 Ravine, 530 ft. below ridge, course SW.; continue abrupt descent over sandstone ledges.

79.80 The cor. of secs. 8, 9, 16 and 17, 190 ft. below ravine.

Land, mountainous broken by deep ravines and outcroppings of sandstone ledges.

Soil, shallow sandy loam.

Drainage, N. into Bitter Creek and SW. into Chepeta Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

N. 0°03' W., bet. secs. 8 and 9.

Asc. abruptly over rough mountainous land broken by deep ravines and outcroppings of sandstone ledges through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

8.60 Spur, 200 ft. above sec. cor., projects W.; desc. abruptl over sandstone ledges.

14.60 Ravine, 220 ft. below spur, course W.; asc. abruptly.

22.85 Spur, 290 ft. above ravine, projects NW.; desc. abruptly.

37.40 Ravine, 110 ft. below spur, course NW.; asc. abruptly.

40.00 On steep SW. slope, 85 ft. above ravine.

Set an iron post 3 ft. long, 1 in. dia., 10 ins. in the ground to solid rock and 16 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼

S 8 | S 9

1918

From which,

A red pine, 18 ins. dia., bears N. 20° E., 31 lks. dist., marked ¼ S 9 BT.

A red pine, 14 ins. dia., bears N. 83° W., 120 lks. dist., marked ¼ S 8 BT.

chains

48.90 Divide bet. Bitter Creek and Chepeta Canyon, 215 ft. above ¼ sec. cor., bears S. 20° E. and N. 20° W.; desc. abruptly.

68.85 Enter rolling bottom of ravine which drains N. 5° W.; desc. gradually.

80.00 In rolling bottom of ravine, 420 ft. below divide.

Set an iron post 3 ft. long, 2 ins.dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 5	S 4
S 8	S 9

1918

From which,

A red pine, 10 ins. dia., bears N. 73½° E., 270 lks. dist., marked T15S R25E S 4 BT.

A red pine, 24 ins. dia., bears S. 60° E., 260 lks. dist., marked T15S R25E S 9 BT.

A red pine, 15 ins. dia., bears S. 48½° W., 280 lks. dist., marked T15S R25E S 8 BT.

A pinon, 12 ins. dia., bears N. 70½° W., 310 lks. dist., marked T15S R25E S 5 BT.

Land, mountainous broken by deep ravines and outcroppings of sandstone ledges.

Soil, shallow sandy loam.

Drainage, NW. into Chepeta Canyon and N. into Bitter Creek.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, exceedingly good on all of mile.

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

40.00 Set temp. ¼ sec. cor.

80.17 Intersect the N. and S. line 42 lks. N. of cor. of secs. 3, 4, 9 and 10.

Thence N.89° 55' W. on true line bet.secs.4 and 9,

Desc. gradually over rolling bottom of Bitter Creek Canyon through scattering undergrowth of sage and buck brush,

chains

and scattering cedar, pinon and red pine timber.

4.90 Road from Baxter Pass, Colo. to Indian camps, bears N. 60° W. and S. 60° E.

6.39 Intersect the N. bdy. of Indian allotment number 388, belonging to Mary Wapinas, S. 53°47' E., 14.14 chs. dist., from the true point for cor. number 4 of allotment 388. Cor. number 4, is witnessed, 7 lks. N. 81° 37' W. of its true position and is an iron post 1 in. dia., extending above the ground, 10 ins, with a brass cap marked

A P
W C
COR No 4
388

1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 4 and 9, with a brass cap marked

T15S
R25E
W
M W S 4
388 C
S 9
1918

From which,

A cedar, 20 ins. dia., bears N. 35½° E., 203 lks. dist., marked CC T15S R25E S 4 BT.

No other bearing tree available.

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

7.00 Enter meadow land, bears SE. and NW.

21.40 Stream of good clear water, 10 lks. wide, 5 ins. deep, in Bitter Creek Canyon, 65 ft. below sec. cor., course N. 60° W.; asc. gradually.

40.08½ On low spur, 40 ft. above Bitter Creek, projects NW. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

S 4
¼
S 9
1918

From which,

chains

A red pine, 36 ins. dia., bears S. 20½° W., 105 lks. dist., marked ¼ S 9 BT.

No other bearing tree available.

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

53.47 Intersect the S. bdy. of Indian allotment number 388, belonging to Mary Wapinas, S. 63°34' E., 35.80 chs. dist. of cor. number 1 of allotment number 388, and number 8 of allotment number 445, which is an iron post 1 in. dia., extending 10 ins. above the ground, with a brass cap marked

COR 8 No 445 | COR 1 No 388
W C
1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 4 and 9, with a brass cap marked

T15S R25E S 4 C / S 9 C
M W No 388
1918

From which,

A red pine, 24 ins. dia., bears S. 10° E., 244 lks. dist., marked CC T15S R25E S 9 BT.

No other bearing tree available.

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

53.00 Leave bottom of Bitter Creek Canyon, bears SE. and NW.; asc. abruptly.

69.50 Spur, 780 ft. above ¼ sec. cor., projects NW.; desc. abruptly.

80.17 The cor. of secs. 4, 5, 8 and 9, 310 ft. below spur.

Land, rolling canyon bottoms and rough mountains.

Soil, shallow sandy loam ~~subsoil~~ on the mountain sides and deep clay loam in the canyon bottoms.

Drainage, NW. into Bitter Creek.

chains

Undergrowth, scattered sage, service, oak and buck brush and luxuriant meadow grass.

Timber, scattering cedars, pinon and red pine.

Grazing, exceedingly good on all of mile.

N. 0°05' E., on random line bet. secs. 4 and 5

26.73 Set temp. witness ¼ sec. cor.

80.24 Intersect the N. bdy. of Tp. 5 lks. E. of cor. of secs. 4, 5, 32 and 33.

Thence,

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

Asc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

13.00 Spur, 230 ft. above sec. cor., projects SW.; desc. abruptl over broken sandstone ledges.

40.24 Falls on sandstone ledges, no cor. set.

53.51 At foot of sandstone ledges, 1150 ft. below spur, on N. side of Bitter Creek Canyon.

Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to ¼ sec. cor., of secs. 4 and 5, with a brass cap marked

¼
W C
S 5 | S 4
1918

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

No bearing trees available.

56.88 Intersect the N. bdy. of Indian allotment number 388, belonging to Mary Wapinas, S. 65°25' E., 5.15 chs. dist. of cor. number 2 of allotment number 388 and number 7 of allotment number 445, which is an iron post 1 in. dia., extending 10 ins. above the ground, with a brass cap marked

A P
No 7 | No 2
445 | 388
1913

chains

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 4 and 5, with a brass cap marked

T15S | R25E
S 5 | S 4
C | C
M W
No 388
1918

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

No bearing trees available.

56.95 Road, from Baxter Pass, Colo. to Indian camps, bears E. and W.

57.55 Bitter Creek, a stream of good clear water, 10 lks. wide, 5 ins. deep, course W., 115 ft. below ¼ sec. cor.

62.55 Pole fence, bears NE. and SW.

66.97 On S. side of Bitter Creek Canyon, intersect the S. bdy. of Indian allotment number 388, belonging to Mary Wapinas, S. 63°34' E., 4.93 chs. dist. of cor. number 1 of allotment number 388, and number 8 of allotment number 445, which is an iron post 1 in. dia., extending 10 ins. above the ground, with a brass cap marked

COR 8 | COR 1
No | No
445 | 388
C
1913

At point of intersection: Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for C. C. of secs. 4 and 5, with a brass cap marked

M W
No 388
C | C
T15S | R25E
S 5 | S 4
1918

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

No bearing trees available.

80.24 The cor. of secs. 4, 5, 8 and 9, 65 ft. above Bitter Creek.

Subdivision of T. 15 S., R. 25 E.

chains	
	Land, rolling canyon bottom and rough mountains broken by deep ravines and outcroppings of sandstone ledges.
	Soil, shallow sandy loam ~~subsoil~~ on mountain sides, deep black clay loam in canyon bottoms.
	Drainage, N. and S. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	From the standard cor. of secs. 31 and 32, on the Sec. Bdy. of Tp., heretofore described.
	N. 0°03' W., bet. secs. 31 and 32.
	Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
10.10	Spur, 180 ft. above sec. cor., projects NW., 400 lks. dist.; desc. abruptly.
14.50	Ravine, 130 ft. below spur, course NW.; asc. abruptly over sandstone ledges.
17.80	Cedar and pinon timber becomes dense, bears E. and W.
28.10	Spur, 290 ft. above ravine, projects NW., about 12.00 chs dist.; desc. abruptly.
34.10	Ravine, 25 ft. below spur, course NW.; asc. abruptly.
40.00	On abrupt SW. slope, 75 ft. above ravine.
	Set an iron post 3 ft. long, 1 in. dia., 20 ins. in the ground, to solid rock and 6 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S 31 | S 32 1918
	From which,
	A pinon, 8 ins. dia., bears S. 11¼° E., 140 lks. dist., marked ¼ S 32 BT.
	A pinon, 10 ins. dia., bears S. 31¾° W., 34 lks. dist., marked ¼ S 31 BT.
42.40	Spur, 75 ft. above ¼ sec. cor., projects W.; desc. abruptly

Subdivision of T. 15 S., R. 25 E.

chains.

49.40 Ravine, 70 ft. below spur, course NW.; asc. gradually.

64.30 Spur, 120 ft. above ravine, projects N. 20° W.; desc. abruptly.

71.20 Enter dense aspen timber, bears E. and W., cedar and pinon timber becomes scattering.

74.60 Enter bottom of ravine, bears SE. and NW.; leave aspen timber, bears E. and W.

75.60 Ravine, 380 ft. below spur, course NW.; asc. gradually.

79.70 Leave bottom of ravine, bears SE. and NW.; asc. abruptly.

80.00 On gentle SW. slope, 20 ft. above ravine.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S.R25E

S.30	S 29
S 31	S 32

1918

From which,

A pinon, 8 ins. dia., bears N. 70° E., 230 lks. dist., marked T15S R25E S 29 BT.

A aspen, 6 ins. dia., bears S. 2° E., 607 lks. dist., marked T15S R25E S 32 BT.

A aspen, 6 ins. dia., bears S. 2½° W., 561 lks. dist., marked T15S R25E S 31 BT.

No NW. bearing tree available.

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

Land, rough mountains broken by outcroppings of sandstone ledges and deep ravines.

Soil, shallow sandy loam.

Drainage, NW. into Branch of Chepeta Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine and scattering bunches of dense aspen.

Grazing, exceedingly good on all of mile.

East, on random line bet. secs. 29 and 32.

chains.

40.00 Set temp. ¼ sec. cor.

79.96 Intersect the N. and S. line 18 lks. N. of cor. of secs. 28, 29, 32 and 33.

Thence

N. 89°52' W., on true line bet. secs. 29 and 32.

Desc. abruptly over rough mountainous land broken by outcroppings of sandstone ledges and deep ravines through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, aspen and red pine timber.

5.00 Ravine, 150 ft. below sec. cor., course SW.; asc. abruptly

20.00 Spur, 265 ft. above ravine, projects SW.; desc. abruptly.

29.30 Hollow, 320 ft. below spur, course N. 20° W.; asc. abruptly

39.98 On abrupt E. slope, 290 ft. above hollow.

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

$$\frac{1}{4}\ \frac{S\ 29}{S\ 32}$$

1918

From which,

A red pine, 6 ins. dia., bears N. 43¾° E., 21 lks. dist., marked ¼ S 29 BT.

A pinon, 8 ins. dia., bears S. 55° E., 48 lks. dist., marked ¼ S 32 BT.

45.80 Spur, 200 ft. above ¼ sec. cor., projects N. 30° E.; desc. abruptly.

57.00 Head of ravine, 110 ft. below spur, course NE.; asc. abruptly.

59.10 Ridge, 65 ft. above head of ravine, bears N. 30° W. and S. S. 30° E.; desc. abruptly.

65.80 Ravine, 310 ft. below ridge, course SW.; asc. abruptly.

79.96 The cor. of secs. 29, 30, 31 and 32, 440 ft. below ravine.

Land, rough mountains broken by deep ravines and outcroppings of sandstone ledgeds.

Soil, shallow sandy loam.

Drainage, NE. and SW. into Chepeta Canyon.

Undergrowth, dense sage, service, oak and buck brush.

chains	
	Timber, scattering cedars, pinon, aspen and red pine.
	Grazing, good on all of mile.
	West, on random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect the W. bdy. of Tp. 30 lks. S. of cor. of secs. 25, 30, 31 and 36.
	Thence
	S. 89°47' E., on true line bet. secs. 30 and 31.
	Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, aspen red pine timber.
8.60	Spur, 220 ft. above sec. cor., projects SW.; desc. abruptly.
19.10	Ravine, 100 ft. below spur, course SW.; asc. abruptly.
29.50	Ridge, 180 ft. above ravine, bears N. and S.; desc. abruptly.
39.94	On steep E. slope, 400 ft. below ridge.
	Set an iron post 3 ft. long, 1 in. dia., 16 ins. in the ground to solid rock and 10 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S 30 / S 31
	1918
	From which,
	A red pine, 8 ins. dia., bears N. 81° E., 65 lks. dist., marked ¼ S 30 BT.
	A red pine, 16 ins. dia., bears S. 40½° E., 286 lks. dist., marked ¼ S 31 BT.
40.90	Ravine, 65 ft. below ¼ sec. cor., course S. 30° E.; asc. gradually.
60.00	Spur, 430 ft. above ravine, projects SE.; desc. abruptly.
72.50	Ravine, 230 ft. below spur, course N. 30° E.; asc. gradually.
79.94	The cor. of secs. 29, 30, 31 and 32, 185 ft. above ravine.
	Land, rough mountains broken by deep ravines and outcroppings of sandstone ledges.

chains	
	Soil, shallow loose sandy loam.
	Drainage, SW. into Sweet Water Canyon and SE. and NE. into fork of Chepeta Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon, aspen and red pine.
	Grazing, good on all of mile.
	N. 0°03' W., bet. secs. 29 and 30.
	Asc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering, cedar, pinon, aspen, mahogany and red pine timber.
2.60	Spur, 50 ft. above sec. cor., projects W. about 1.50 chs. dist., desc. gradually.
17.40	Enter rolling canyon bottom, bears N. 20° E. and S. 20° W.
29.80	Small stream of good clear water, 5 lks. wide, 4 ins. deep, in fork of Chepeta Canyon, course N. 30° E.; 120 ft. below spur; asc. gradually.
35.70	Leave canyon bottom, bears N. 30° E. and S. 30° W.; asc. abruptly over sandstone ledges.
40.00	On steep broken SE. slope, 130 ft. above creek, on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S 30 | S 29 1918
	From which,
	A red pine, 15 ins. dia., bears N. 6½° E., 254 lks. dist., marked ¼ S 29 BT.
	A red pine, 15 ins. dia., bears N. 26° W., 113 lks. dist., marked ¼ S 30 BT.
41.00	Timber becomes dense, bears E. and W.
50.50	Point of spur, 50 ft. above ¼ sec. cor., projects E.; desc. abruptly.
62.50	Ravine, 40 ft. below spur, course E. asc. abruptly.

Chains

64.10 Spur, 60 ft. above ravine, projects E., about 4.00 chs. dist.; desc. gradually.

76.10 Ravine, 140 ft. below spur, course E.; asc. over sandstone ledges.

80.00 On abrupt S. slope, 150 ft. above ravine, at base of sandstone ledge, 20 ft. high.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for secs. cor., with a brass cap marked

T15S R25E

S 19	S 20
S 30	S 29

1918

From which,

A red pine, 24 ins. dia., bears N. 63½° E., 45 lks. dist., marked T15S R25E S 20 BT.

A pinon, 10 ins. dia., bears S. 28° E., 20 lks. dist., marked T15S R25E S 29 BT.

A mahogany, 5 ins. dia., bears S. 73½° W., 55 lks. dist., marked T15S R25E S 30 BT.

A red pine, 24 ins. dia., bears N. 54° W., 48 lks. dist., marked T15S R25E S 19 BT.

Land, rough mountains broken by outcroppings of sandstone ledges and deep ravines.

Soil, shallow sandy loam soil.

Drainage, N. 30° E. into Chepeta Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon, aspen, mahogany and red pine, on N. 41.00 chs.; dense on balance of mile.

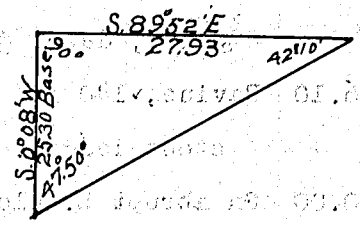
Grazing, good on all of mile.

S. 89°52' E., on random line bet. secs. 20 and 29.

It being impracticable to chain E. on account of sandstone ledges, I determine the distance by triangulation as follows: Set a flag S. 89°52' E., on line and from the cor. of secs. 19, 20, 29 and 30, run a base line, S. 0°08' W., 25.30 chs. dist., to a point whence, flag

chains

on line E., subtends an angle of 47°50'; the dist. is therefore,

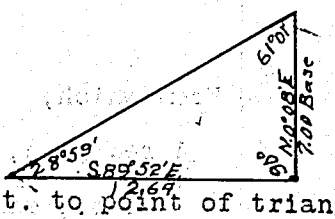


tan. 47°50' x base

1.10414 x 25.30 27.93 chs.

27.93 To point of triangulation.

31.17 Sandstone ledges, making it impracticable to chain E. from this point, I determine the dist. by triangulatio as follows; Set an flag at this point and one S. 89°52' on line. From latter flag, measure a base line N. 0°08' 7.00 chs. dist. to point whence, flag at the 31.17 chs point subtends an angle of 61°01', the dist. is therefore,



tang. 61°01' x base

1.80529 x 7.00 = 12.64 chs.

31.17 + 12.64 = 43.81 chs. or dist. to point of triangulation. Measure N. 89°52' W., 3.81 chs.

40.00 Set temp. ¼ sec. cor.

80.18 Intersect the N. and S. line 7 lks. N. of cor. of secs. 20, 21, 28 and 29.

Thence

N. 89°49' W., on true line bet. secs. 20 and 29.

Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, aspen and red pine timber.

.30 Ravine, 10 ft. below sec. cor., course NE.; asc. abruptly

6.90 Ridge, 90 ft. above ravine, bearseN. and S.; desc. abruptly over broken W. slope.

34.00 Enter bottom of ravine, bears SE. and NW.; desc. graduall

36.37 To point of triangulation.

38.00 Ravine, 790 ft. below ridge, course N. 10° W.; asc. gradually.

40.09 On gentle E. slope on W. side of ravine, 20 ft. above bottom of ravine.

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

chains

$\frac{1}{4}$ $\frac{S\ 20}{S\ 29}$

1918

From which,

A red pine, 18 ins. dia., bears S. 46½° W., 350 lks. dist., marked $\frac{1}{4}$ S 29 BT.

A pinon, 16 ins. dia., bears N. 70½° W., 229 lks. dist., marked $\frac{1}{4}$ S 20 BT.

49.01 To point of triangulation.

50.20 Spur, 430 ft. above $\frac{1}{4}$ sec. cor., projects N. 30° E.; desc. abruptly.

52.25 To point of triangulation.

Approximate topography bet. point of triangulation and sec. cor.

68.20 Stream of good clear water, 10 lks. wide, 4 ins. deep in fork of Chepeta Canyon, 430 ft. below spur, course NE.; asc. abruptly over sandstone ledges.

76.60 Spur, 230 ft. above canyon, projects S. about 8.00 chs. dist.; desc. abruptly over sandstone ledges.

80.18 The cor. of secs. 19, 20, 29 and 30, 50 ft. below spur.

Land, rough mountains broken by outcroppings of sandstone ledges and deep ravines.

Soil, shallow loose sandy loam.

Drainage, NE. into fork of Chepeta Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering, cedars, pinon, aspen and red pine.

Grazing, good on all of mile.

N. 89°47' W., on random line bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.78 Intersect the W. bdy. of Tp. 12 lks. N. of cor. of secs. 19, 24, 25 and 30,.

Thence

S. 89°52' E., on true line bet. secs. 19 and 30.

Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering, cedar, pinon, aspen and red pine timber.

chains

3.10 Ridge, 10 ft. above sec. cor., bears NW. and SE.; desc. abruptly.

10.60 Descent becomes more abrupt.

20.30 Ravine, fork of Sweet Water Canyon, 230 ft. below ridge, course N. 30° W.; asc. abruptly.

32.50 Ridge, divide bet. Sweet Water and Chepeta Canyons, 250 ft. above ravine, bears N. 20° W. and S. 20° E.; desc. abruptly.

39.78 On abrupt E. slope, 70 ft. below ridge.

Set an iron post 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock and 14 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked.

$$\frac{1}{4}\ \frac{S\ 19}{S\ 30}$$

1918

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

No bearing trees available.

51.00 Ravine, 350 ft. below ¼ sec. cor., course SE.; asc. abrupt S. slope.

58.60 Spur, 80 ft. above ravine, projects S.; desc. gradually.

72.40 Ravine, 180 ft. below spur, course S.; asc. abruptly.

74.90 Spur, 120 ft. above ravine, projects S.; desc. abruptly over sandstone ledges.

79.78 The cor. of secs. 19, 20, 29 and 30, 110 ft. below spur.

Land, rough mountains broken by outcroppings of sandstone ledges and deep ravines,

Soil, shallow sandy loam.

Drainage, NW. and S. into Sweet Water and Chepeta Canyons.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering, cedars, pinon, aspen and red pine.

Grazing, good on all of mile.

N. 0°03' W., bet. secs. 19 and 20.

Asc. abruptly over sandstone ledges and rough mountainous land through dense undergrowth of sage, service, oak

chains

and buck brush and scattering cedar, pinon and red pine timber.

7.20 Spur, 280 ft. above sec. cor., projects SE.; asc. abruptly over sandstone ledges.

27.75 Spur, 240 ft. above last spur, projects S. 60° E.; desc. gradually.

33.50 Ravine, 85 ft. below spur, course S. 30° E.; asc. gradually.

40.00 On top of spur, 20 ft. above ravine, projects S. 60° E.
Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with a brass cap marked

$\frac{1}{4}$

S 19 | S 20

1918

Dig pits, 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist.
No bearing trees or rock for mound available.

49.60 Head of ravine, 40 ft. below $\frac{1}{4}$ sec. cor., course E., 5.00 chs. thence, S. 40° E.; asc. gradually.

63.50 Ridge, 50 ft. above ravine, bears S. 60° W. and N. 60° E.; desc. gradually.

80.00 On gentle N. slope, 110 ft. below ridge.
Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for sec. cor., with a brass cap marked

T15S R25E

S 18 | S 17

S 19 | S 20

1918

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
No bearing trees available.
Land, rough mountainsubroken by outcroppings of sandstone ledges and deep ravines.
Soil, shallow sandy loam.
Drainage, SE. into fork of Chepeta Canyon.
Undergrowth, dense sage, service, oak and buck brush,
Timber, scattering cedars, pinon and red pine.
Grazing, good on all of mile.

chains.	
	S. 89°49' E., on random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
79.86	Intersect the N. and S. line 19 lks. S. of cor. of secs. 16, 17, 20 and 21.
	Thence
	N. 89°57' W., on true line bet. secs. 17 and 20.
	Asc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon, aspen and red pine timber.
15.00	Leave bottom of fork of Chepeta Canyon, bears NE. and SW.; thence, asc. abrupt SE. slope over sandstone ledges.
34.30	Ridge, 720 ft. above sec. cor., bears N. 30° E. and S. 30° W.; desc. abruptly.
39.93	On steep NW. slope, 195 ft. below ridge.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 17 / S 20 / 1918
	From which,
	A red pine, 6 ins. dia., bears N. 38° E., 130 lks. dist., marked ¼ S 17 BT.
	A red pine, 5 ins. dia., bears S. 39° W., 160 lks. dist., marked ¼ S 20 BT.
44.00	Ravine, 95 ft. below ¼ sec. cor., course NE. asc. gradually.
51.45	Ridge, 105 ft. above ravine bears N. and S.; desc. abruptly.
54.40	Ravine, 80 ft. below ridge, course N.; asc. gradually.
64.30	Ridge, 50 ft. above ravine, bears N. and S.; desc. gradually.
79.00	Ravine, 90 ft. below ridge, course N. 30° W.; asc. gradually.
79.86	The cor. of secs. 17, 18, 19 and 20, 20 ft. above ravine.
	Land, rolling mountains.
	Soil, loose sandy loam.
	Drainage, N. into Chepeta Canyon.

chains	
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 89°52' W., on random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
79.70	Intersect the W. bdy. of Tp. 20 lks. S. of cor. of secs. 13, 18, 19 and 24.
	Thence
	E. 89°43' E., on true line bet. secs. 18 and 19.
	Asc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
3.20	Trail, bears NW. and SE.
11.40	Spur, 20 ft. above sec. cor., projects N. 10° W.; desc. gradually.
25.50	Descent becomes more abrupt.
34.10	Ravine, 110 ft. below spur, course N.; asc. abrupt W. slope.
39.70	On steep W. slope, 30 ft. above ravine.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 18 / S 19 / 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No bearing trees available.
46.00	Ridge, 30 ft. above ¼ sec. cor., bears N. and S.; desc. gradually.
56.50	Ravine, 190 ft. below ridge, course N. 30° E.; asc. abrupt NW. slope.
62.70	Point of spur, 60 ft. above ravine, projects N. about 6.00 chs. dist.; desc. abruptly.
66.70	Ravine, 170 ft. below spur, course N. 20° E.; asc. abruptly.
75.70	Point of spur, 300 ft. above ravine, projects N.; desc. abruptly.

chains

79.70 The cor. of secs. 17, 18, 19 and 20, 100 ft. below spur.

Land, rough mountains broken by deep ravines.

Soil, shallow sandy loam.

Drainage, N. into Chepeta Canyon and fork of Sweet Water Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

N. 0°03' W., bet. secs. 17 and 18.

Desc. gradually along steep W. slope of ridge through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

9.50 Ravine, 115 ft. below sec. cor., course NW.; continue gradual descent.

40.00 On steep W. slope, 120 ft. below ravine.

Set an iron post 3 ft. long, 1 in. dia., 10 ins. in the ground to solid rock and 16 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼

S 18 | S 17

19 | 18

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

No bearing trees available.

58.70 Ravine, 125 ft. below ¼ sec. cor., course SW.; continue gradual descent.

72.55 Ravine, with stream of good clear water, 2 lks. wide, 1 in. deep, 125 ft. below last ravine, course N. 10° E.; continue descent on abrupt E. slope.

80.00 Point for sec. cor. falls on ledge, 75 ft. below ravine, no cor. set.

80.29 On abrupt E. slope, on top of small ledge.

Set an iron post 3 ft. long, 2 ins. dia., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for witness cor. to cor. of secs. 7, 8, 17, and 18,

chains

with a brass cap marked

T15S R25E

S 7	S 8
S 18	S 17

W C

1918

From which,

A red pine, 12 ins. dia., bears S. $11\frac{3}{4}°$ E., 154 lks. dist., marked WC T15S R25E S 17 BT.

A red pine, 16 ins. dia., bears S. $8\frac{1}{2}°$ W., 143 lks. dist., marked WC T15S R25E S 18 BT.

No other bearing trees available.

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

Land, rough mountains broken by deep ravines and outcroppings of sandstone ledges.

Soil, shallow sandy loam.

Drainage, E. and W. into fork of Bitter Creek Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

From the true point for cor. of secs. 7, 8, 17 and 18.

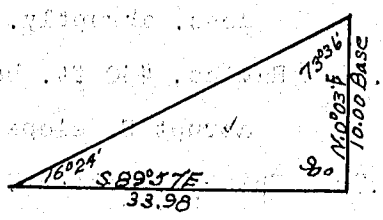
S. 89°57' E., on random line bet. secs. 8 and 17.

18.84 Sandstone ledges making it impracticable to chains E. from this point, I determine the distance by triangulation as follows. Set a flag at this point and one S. 89°57' E. on line; from later flag, run a base line N. 0°03' E., 10.00 chs. dist., (which is as long a base line as can be obtained) to a point from which flag at 18.84 chs. point, subtends an angle of 73° 36'; the dist. is therefore.

tang. 73°36' x base

3.39771 x 10.00 = 33.98 chs.

33.98 + 18.84 = 52.82 chs.



52.82 To point of triangulation; set temp witness cor. to $\frac{1}{4}$ sec. cor. of secs. 8 and 17.

chains	
79.96	Intersect the N. and S. line 23 lks. S. of cor. of secs. 8, 9, 16 and 17.
	Thence
	S. 89°53' W., on true line bet. secs. 8 and 17.
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
8.00	Stream of good clear water, 10 lks. wide, 5 ins. deep, in bottom of Chepeta Canyon, 100 ft. below sec. cor., course N. 20° W.; asc. gradually.
27.14	Being able to see that the true point for $\frac{1}{4}$ sec. cor. will fall on sandstone ledges were it can not be set:
	At point of triangulation, on top of ridge, 810 ft. above canyon.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., of secs. 8 and 17, with a brass cap marked
	WC $\frac{1}{4}$ S 8 / S 17 / 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.
	No bearing trees available.
	Approximate topography bet. points of triangulation.
39.98	Falls on broken sandstone ledges, $\frac{1}{4}$ sec. cor. not set.
45.00	Bottom of ravine, 620 ft. below witness $\frac{1}{4}$ sec. cor., course NE.; asc. abruptly.
61.12	To point of triangulation, on top of ledges which forms the W. rim of ravine, 580 ft. above ravine, bears N. and S.; continue abrupt ascent.
65.83	Ridge, 115 ft. above ledges, bears N. 20° E. and S. 20° W.; desc. abruptly.
77.90	Ravine, 430 ft. below ridge, course N. 30° E.; asc. abrupt E. slope.
79.96	Point for cor. secs. 7, 8, 17 and 18, 55 ft. above ravine.
	Land, rough mountains broken by deep ravines and outcroppings of sandstone ledges.

chains	
	Soil, shallow sandy loam, mixed with loose sandstone.
	Drainage, N. and N. 30° E. into Chepeta Canyon and Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	From true point for cor. of secs. 7, 8, 17, and 18, N. 89°43' W., on random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
79.37	Intersect the W. bdy. of Tp., 5 lks. N. of cor. of secs. 7, 12, 13 and 18.
	Thence S. 89° 45' E. on true line bet. secs. 7 and 18,
	Desc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
.20	Trail, N. 20° E. and S. 20° W.
.50	Ravine, 20 ft. below sec. cor., course N. 10° E.; asc. abrupt W. slope.
12.25	Ridge, 140 ft. above ravine, bears SE. and NW.; desc. abrupt E. slope.
21.64	Trail, bears S. 30° E. and N. 30° W.
24.99	Trail, bears S. 30° E. and N. 30° W.
29.00	Ravine, 220 ft. below ridge, course N. 30° W.; asc. abrupt W. slope.
39.37	On top of ridge, 300 ft. above ravine, bears N. and S. Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 7 / S 18 / 1918
	From which,
	A pinon, 12 ins. dia., bears S. 6½° E., 324 lks. dist., marked ¼ S 18 BT.
	A pinon, 12 ins. dia., bears N. 8° W. 1 lk 220 lks. dist., marked ¼ S 7 BT.

chains	
44.00	Ravine, 70 ft. below ¼ sec. cor., course NE.; asc. abru
48.55	Spur, 30 ft. above ravine, projects N. 30° E., 15.00 ch dist.; desc. gradually.
55.45	Ravine, 70 ft. below spur, course N.; asc. gradually.
64.00	Divide bet. Sweet Water and Chepeta Canyons, 110 ft. above ravine, bears N. and S.; desc. abruptly over sandstone ledges.
79.37	The true point for cor. of secs. 7, 8, 17 and 18, 410 ft. below divide.
	Land, rough mountains broken by deep ravines and sandstone ledges.
	Soil, shallow loose sandy loam, mixed with loose sandstone rock.
	Drainage, N. and E. into Sweet Water and Bitter Creek Canyons.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 0°03' W., bet. secs. 7 and 8, from the true point for cor. of secs. 7, 8, 17 and 18.
	Desc. gradually over broken E. slope of ridge, through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
.29	The witness cor. to sec. cor. of secs. 7, 8, 17 and 18.
7.70	Ravine, 30 ft. below witness cor., course E.; continue gradual descent.
30.00	Ravine, 110 ft below last ravine, course E.; asc. over broken SE. slope.
40.00	On abrupt SE. slope, 180 ft. above ravine.
	Set an iron post 3 ft. long, 1 in. dia., 6 ins. in the ground to solid rock and 20 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked:
	¼ S 7 | S 8 1918
	From which,

chains

A red pine, 6 ins. dia., bears N. 58½° E., 52 lks. dist., marked ¼ S 8 BT.

A red pine, 14 ins. dia., bears S. 64½° W., 47 lks. dist., marked ¼ S 7 BT.

51.38 Spur, 160 ft. above ¼ sec. cor., projects NE., about 8.00 chs. dist., desc. abrupt N. slope.

58.70 Ravine, 200 ft. below spur, course E.; asc. gradually.

80.00 On abrupt SE. slope, 400 ft. above ravine.

Set a white lime stone, 30 x 16 x 6 ins., 6 ins. in the ground and 15 ins. in a mound of stone, for cor. of secs. 5, 6, 7 and 8, marked T15S R25E on N. face, 5 notches on S. edge and 5 notches on E. edge.

From which,

A red pine, 10 ins. dia., bears N. 18½° E., 130 lks. dist., marked T15S R25E S 5 BT.

A red pine, 18 ins. dia., bears S. 32½° E., 99 lks. dist., marked T15S R25E S 8 BT.

A red pine, 8 ins. dia., bears S. 44° W., 22 lks. dist., marked T15S R25E S 7 BT.

A cedar, 6 ins. dia., bears N. 35° W., 96 lks. dist., marked T15S R25E S 6 BT.

No iron post available for this corner.

Land, rough mountains broken by deep ravines and outcroppings of sandstone ledges.

Soil, shallow sandy loam, mixed with loose sandstone.

Drainage, E. into fork of Bitter Creek Canyon.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

N. 89°53' E., on random line bet. secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.

79.98 Intersect the N. and S. line 5 lks. S. of cor. of secs. 4, 5, 8 and 9.

Thence

chains	
	S. 89°51' W., on true line bet. secs. 5 and 8.
	Asc. abruptly from bottom of ravine over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
17.80	Spur, 450 ft. above sec. cor., projects N. 20° W.; desc. abruptly.
27.50	Stream of good clear water, 10 lks. wide, 3 ins. deep, in Chepeta Canyon, 355 ft. below spur, course N.; asc. abruptly.
39.99	On steep E. slope, 310 ft. above Chepeta Canyon.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 5 / S 8 / 1918
	From which,
	A red pine, 10 ins. dia., bears S. 55° W., 42 lks. dist., marked ¼ S 8 BT.
	A red pine, 10 ins. dia., bears N. 14½° W., 19 lks. dist., marked ¼ S 5 BT.
48.75	Ridge, 210 ft. above ¼ sec. cor., bears N. 20° E. and S. 20° W.; desc. abruptly.
58.00	Ravine, 285 ft. below ridge, course N. 20° E.; asc. abruptly.
79.98	The cor. of secs. 5, 6, 7 and 8, 265 ft. above ravine.
	Land, mountainous broken by deep ravines.
	Soil, shallow sandy loam, mixed with loose sandstone.
	Drainage, N. into Chepeta and Bitter Creek Canyons.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.
	N. 89°45' W., on random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.

Subdivision of T. 15 S., R. 25 E.

chains	
79.32	Intersect the W. bdy. of Tp. 2 lks. N. of cor. of secs. 1, 6, 7 and 12.
	Thence,
	S. 89°46' E., on true line bet. secs. 6 and 7.
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
12.05	Fork of Sweet Water Canyon, 210 ft. below sec. cor., course NE.; asc. abruptly.
17.20	Spur, 110 ft. above canyon, projects NE.; desc. abruptly.
20.10	Ravine, 50 ft. below spur, course N.; asc. abruptly.
34.35	Divide bet. Sweet Water and Bitter Creek Canyons, 260 ft. above ravine, bears N. and S.; trail on divide bears N. and S.; desc. abruptly.
39.32	On steep E. slope, 50 ft. below divide.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S 6 / S 7 / 1918
	From which,
	A cedar, 6 ins. dia., bears N. 30½° W., 189 lks. dist.; marked ¼ S 6 BT.
	No other bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
43.20	Ravine, 50 ft. below ¼ sec. cor., course N. 20° E.; asc. abruptly.
49.20	Spur, 80 ft. above ravine, projects N.; desc. abruptly.
51.20	Ravine, 85 ft. below spur, course N. 30° E.; asc. abruptly.
58.65	Spur, 70 ft. above ravine, projects N. 30° E.; desc. abruptly.
68.25	Ravine, 150 ft. below spur, course N. 30° E.; asc. abruptly.
75.15	Spur, 110 ft. above ravine, projects N. 30° E.; desc. abruptly.
79.32	The cor. of secs. 5, 6, 7 and 8, 60 ft. below spur.

chains.

Land, rough mountains broken by deep ravines and outcroppings of sandstone ledges.

Soil, shallow sandy loam, mixed with loose sandstone rock.

Drainage, N. 30° E., into fork of Sweet Water and Bitter Creek Canyons.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Grazing, good on all of mile.

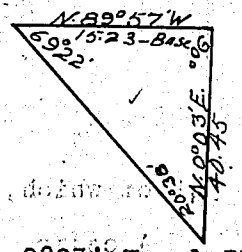
N. 0°03' E., on random line bet. secs. 5 and 6.

10.88 Sandstone ledges making it impracticable to chain N. from this point, I determine the distance by triangulation as follows. Set a flag at this point and also one on line to the N. From later flag, run a base line, N. 89°57' W., 15.23 chs. dist., (which is as long a base line as can be obtained) to a point, from which flag at 10.88 chs. point, subtends an angle of 69° 22'; the distance is therefore,

tang. 69° 22' x base =

2.65576 x 15.23 = 40.45 chs.

40.45 + 10.88 = 51.33 chs.



51.33 To point of triangulation. Measure S. 0°03' W., 1.73 chs. dist. and set temp. witness cor. to ¼ sec. cor. of secs. 5 and 6.

80.13 Intersect the N. bdy. of Tp. 7 lks. W. of cor. of secs. 5, 6, 31 and 32.

Thence

S. 0°06' W., on true line bet. secs. 5 and 6.

Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

7.10 Ravine, 45 ft. above sec. cor., course NE.; asc. abruptly.

21.30 Trail, bears NE. and SW.

22.50 Spur, projects NE.; 360 ft. above ravine, ; desc. gradually.

28.80 To point of triangulation; thence desc. over rough sand-

chains	
	stone ledges.
30.53	In broken sandstone ledges, 265 ft. below spur, on solid rock.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for witness cor. to $\frac{1}{4}$ sec. cor., of secs. 5 and 6, with a brass cap marked
	$\frac{1}{4}$ S 6 | S 5 W C 1918
	From which,
	A red pine, 20 ins. dia., bears S. $61\frac{3}{4}°$ E., 54 lks. dist., marked WC $\frac{1}{4}$ S5 BT.
	A red pine, 18 ins. dia., bears S. 25° W., 60 lks. dist., marked WC $\frac{1}{4}$ S 6 BT.
	Approximate topography bet. points of triangulation.
52.10	Ravine, 690 ft. below witness $\frac{1}{4}$ sec. cor., course NE.; asc. abruptly over sandstone ledges.
69.25	To point of triangulation.
72.10	Spur, 580 ft. above ravine, projects N. 30° E.; desc. abruptly.
80.13	The cor. of secs. 5, 6, 7 and 8, 185 ft. below spur.
	Land, rough mountains broken by deep ravines and outcroppings of sandstone ledges.
	Soil, shallow sandy loam, mixed with loose sandstone.
	Drainage, NE. into Bitter Creek Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Grazing, good on all of mile.

Boundaries of T. 15 S., R. 25 E.

Latitudes, Departures, and closing errors.

Line designated	True bearing	Distance	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		chs.	chs.	chs.	chs.	chs.
3rd Sta Par S.	West	480.00				480.00
West bdy. Tp.	North	480.00	480.00			
North bdy. Tp.	N.89°59'E.	479.40	.14		479.40	
East bdy. Tp.	South	480.00		480.00		
Convergency					.60	
Totals			480.14	480.00	480.00	480.00
			480.00			480.00
Error in lat.			0.14	Error in dep.		0.00

General Description.

This township is rough and mountainous, broken by deep ravines and outcroppings of sandstone ledges. The mountians in the east portion of the township are high with steep slopes, while those in the west portion are more rolling. The highest mountain is oneewhich form the div divide between the White and Grand Rivers. The elevatic of this mountain is about 8000 feet above sea level and runs diagonal across the township from sec. 34, to sec. 24. The next highest mountain is one which forms the divide between Bitter Creek and Rat Hole Canyons. It is located near the north boundary of sec. 1 and 2. The elevation of this mountain is about 7500 feet above Sea level.

The undergrowth consist of dense sage, service, oak and buck brush and is found on all portions of the township. The undergrowth in the east portion of the township is more dense than that in the west portion and consists mostly of service brush.

Cedar, pinon, aspen, mahogany and red pine timber is found in nearly ever section, red pine timber being found in the greatest quantity.

The township has a good water supply, of which Bitter Creek is the largest. This creek is a stream of good clear water, which is about 10 links wide and 5 inches deep. This creek flows through sections 5, 4, 9, 10,

General Description.

Chains

11, 13 and 14. Only a small portion of this stream is used for irrigation on this township. The next largest stream is found in Chepeta Canyon and is a stream of good clear water about 8 links wide and 4 inches deep. This stream flows through sections 5, 8, 16, 17, 20, 21, 29 and 30. It empties into Bitter Creek in the North half of section 5. Other water is found on the township, but only in small quantities.

The largest portion of the township is adapted for a summer grazing range and is exceedingly good for this purpose. The only portions that are adapted for farming is along the bottoms of Bitter Creek Canyon and forks of Chepeta Canyon. The soil in the bottoms of these canyons is a rich, deep black, clay loam and will produce almost any crop that can be raised at an elevation of 7000 feet above sea level. The land along the bottom of Bitter Creek Canyon is alloted to the Indians and is being farmed only to a small extent by them.

E. Elliot Reed
U.S. Transitman.
Salt Lake City, Utah; April 7, 1919.

Retracement

John Mc Cook's Allotment No.445; Ts.14 &15 S., R.25 E.

Retracement commenced May 29, 1920, and executed with a Buff and Buff transit No. 8028. The instrument is equipped with a full vertical circle. The horizontal limb is provided with two double verniers placed opposite each other, reading to single minutes of arc.

All azimuth determinations are accomplished by deflection angles from a meridian determined by observations made on Polaris.

At my station near the center of sec. 5, T. 14 S., R. 25 E., in latitude 39° 33'N., and longitude 109° 12'W., I examine the adjustments of the instrument and correct

Chains

all errors.

At 1h 07.4m a.m., l. m. t., I observe Polaris at eastern elongation, making two observations, one with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, on a peg driven firmly in the ground about 5 chs. dist.

Azimuth of Polaris at eastern elongation = 1° 27'.

I lay off the azimuth of Polaris, 1° 27', to the west, and note a point on the meridian thus determined on top of mountain about a mile dist.

Unless otherwise specified all measurements are made with a Lallie steel tape 5 chains in length compared with a Lufkin standard steel tape 1 chain in length, and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

From cor. No. 3, which is an iron post, 1 in. diam., 6 ins. above the ground, with brass cap marked and witnessed as described by the surveyor general,

I retrace

S. 56° 28' E., on true line, cor No. 4 being in sight.

19.53 Intersect W. C. to cor. No. 4, which is an iron post, 1 in. diam., 6 ins. above the ground, with brass cap marked and witnessed as described by the surveyor general.

19.58 True point for cor. No. 4.

Cor. No. 5 being in sight, I retrace

S. 18° 34' E., along true line.

30.32 Intersect cor. No. 5, which is an iron post, 1 in. diam., 6 ins. above the ground, with brass cap marked and witnessed as described by the surveyor general.

Cor. No. 6, being in sight,

S. 32 ° E., on retracement line.

12.68 Intersect cor. No. 6, which is an iron post, 1 in. diam.,

Retracement

John Mc Cook's Allotment No. 445, Ts.14 & 15 S.,R.25 E.

Chains	
	6 ins. above the ground, with brass cap marked and witnessed as described by the surveyor general.
	Cor. No. 7 being in sight,
	S. 64° 45' E., on retracement line.
8.64	Intersect cor. No. 7, which is an iron post, 1 in. diam., 6 ins. above the grpund, with brass cap marked and witnessed as described by the surveyor general.
	Cor. No. 8 being in sight
	S. 0° 45' E., on retracement line
10.06	Intersect Cor. No. 8, which is an iron post, 1 in. diam., 6 ins. above the ground, with brass cap marked and witnessed as described by the surveyor general.
	Cor. No. 9 being in sight
	N. 60° 12' W., on retracement line.
21.68	Point for cor. No. 9, on sandstone in place, 10 ft. wide, 8 ft. thick, and 12 ft. above the ground, marked and witnessed as described by the surveyor general.
	N. 32°28'W., on retracement
.12	Intersect W.C. to cor. No. 9, which is an iron post, 1 in. diam., 6 ins. above the ground with brass cap marked and witnessed as described by the surveyor general.
	To pass ledges along line I offset as follows:-
	East, 6.00 chs., Thence
	N. 32° 28' W., on offset line, 56.93 chs., Thence
	West, 6.00 chs, to true line, Thence on true line with continous measurement.
	N. 32° 28' W.,
57.09	Intersect Cor. No. 10, which is a sandstone in place, 14 ft. long, 10 ft. thick and 8 ft. above the ground marked and witnessed as described by the surveyor general.
	The course of the line bet. cor. No. 9 and cor. No. 10, is therefore N. 32° 28' W., and the dist. is 57.09 chs.
	From cor. No. 10, cor. No. 1 being in sight,
	N. 18° 31' W., on retracement line.
43.59	Point for Cor. No. 1, on outcropping of smooth sandstone,

Chains	
	marked and witnessed as described by the surveyor general.
	Cor. No. 2 being in sight
	N. 43° 20' E., on retracement line,
.10	Intersect W. C. to cor No. 1, which is an iron post, 1 in. diam., 6 ins. above the ground with brass cap marked and witnessed as described by the surveyor general.
12.35	Intersect W.C. to cor. No. 2, which is an iron post, 1 in. diam., 6 ins. above the ground with brass cap marked and witnessed as described by the surveyor general.
12.40	Point for cor. No. 2 on sandstone outcropping. Marks of cor. point have eroded away.
	Cor. No. 3 being in sight
	S. 17° 25' E., on retracement line.
47.29	Intersect Cor. No. 3, which is an iron post, 1 in. diam. 6 ins. above the ground with brass cap marked and witnessed as described by the surveyor general.

Salt Lake City, Ut., Jan. 4, 1921. Ralph Gentry

U.S.Cadastral Engineer

Water Locations.

Bitter Creek: S.½ of NE.¼; E.½ of NW.¼; NW.¼ of NW.¼ of sec. 13. NE.¼ of NE.¼ of sec. 14. S.½ of SE.¼; S.½ of SW.¼; NW.¼ of SW.¼ of sec. 11. N.½ of SE.¼; NE.¼ of SW.¼; S.½ of NW.¼; NW.¼ of NW.¼ of sec. 10. N.½ of NE.¼ of sec. 9. SW.¼ of SE.¼; S.½ of SW.¼ of sec. 4. NE.¼ of SE.¼; SE.¼ of NW.¼; N.½ of NW.¼ of sec. 5.

Chepeta Creek: E.½ of SE.¼ of sec. 30. NW.¼ of SW.¼; W.½ of NW.¼ of sec. 29. S.½ of SW¼; NE.¼ of SW.¼; W.½ of NE.¼; NE.¼ of NE.¼ of sec. 20. E.½ of NW.¼; NW¼¼ of NW.¼ of sec. 21. W.½ of SW.¼; SE.¼ of NW.¼; W.½ of NW.¼ of sec. 16. SE.¼ of SE.¼; W.½ of SE.¼; W.½ of NE.¼ of sec. 8. W.½ of SE.¼; SW.¼ of NE.¼ of sec. 5.

Fork of Bitter Creek: N.½ of SE.¼; SW.¼ of SE.¼; SE.¼ of SW.¼ of sec. 12.

Spring: NE.¼ of SE.¼ of sec. 14.

Spring: W.½ of NW.¼ of sec. 36. NE.¼ of NE.¼ of sec. 35. n SE.¼ of SE.¼ of sec. 26.

Salt Lake City, Utah: April 7, 1919. Elliot L. Bird

U.S. Transitman.

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Page

BOOK A-442

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Wilford Williams	Head- Chainman.
Barnie Isenhour	Head- Chainman.
E.S. Manion	Rear- Chainman.
Guy Bird	Rear- Chainman.
Virgil Fisher	Rear- Chainman.
Donald Kimball	Rear- Chainman.
Jessie Sloan	Cornerman.
Elmer Lampshire	Flagman.
Ira Cooper	Axeman.

6—2704

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~ TRANSITMEN.

XX We, Elliot Bird and Lyman E. Bolinger, U. S. ~~Surveyor~~ Transitmen, hereby certify upon honor that, in pursu

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the sixth day of August, 1915, I have well, faithfully, and t

in my ~~own~~ our proper persons and in strict conformity with said instructions, the Manual of Surveying Inst

tions, and the laws of the United States, surveyed all those parts or portions of North, East and

West Boundaries and Subdivision of T. 15 S., R. 25 E.

of the Salt Lake Bas

and Meridian, in the State of Utah, which are represente

the foregoing field notes and date diagram on page 1 as having been executed by ~~me~~ us, and under ~~my~~ our direction on dates shown on said diag

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Inst

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 note

such survey.

Salt Lake City, Utah; April 7, 1919.

Elliot Bird
Lyman E. Bolinger
~~U. S. Surve~~
U. S. Transi

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

, 19

The foregoing field notes of the survey of

executed by

under his special instructions dated , 191 , having be

critically examined, and the necessary corrections and explanations made, the said field notes, and the surve

they describe, are hereby approved.

U. S. Surveyor Genera

I certify that the foregoing transcript of the field notes of the above-described surveys in

, has been correctly copied from the original notes on file in this office.

U. S. Surveyor Genera

BOOK A-442

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Prentiss R. Long,	Chainman.
Glen T. Blake,	Chainman.

6—2761

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

I, Ralph Gentry, U.S. Cadastral ~~Surveyor~~ Engineer, hereby certify upon honor that, in pursua

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the sixth day of August, 1915, I have well, faithfully, and tr

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instr

tions, and the laws of the United States, ~~surveyed~~ retraced all those parts or portions of John Mc Cook's

allotment No. 445

of the Salt Lake Bas

and Meridian, in the State of Utah, which are represented

the foregoing field notes and date diagram as having been executed by me, and under my direction; on dates shown on said diagr

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instr

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.

Salt Lake City, Ut., Jan. 4, 1921. Ralph Gentry

U.S. Cadastral Engineer ~~U.S. Surveyor~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Jan. 29, 19

The foregoing field notes of the survey of the north, east, and west boundaries and the subdivisional lines of Township No. 15 South, Range No. 25 East; and the retracement of John McCook's allotment No. 445, in Townships Nos. 14 and 15 South, Range No. 25 East, of the Salt Lake Base and Meridian, Utah;

executed by Elliot Bird, Lyman E. Bolinger, and Ralph Gentry

under ~~his~~ special instructions dated August 6, 1915, having be

critically examined, and the necessary corrections and explanations made, the said field notes, and the surve

they describe, and retracement are hereby approved.

A. A. Thoresen

U. S. Surveyor Gener

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 Gener

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Page

4—679

BOOK A-442 G.

FIELD NOTES

OF THE SURVEY OF THE

ORTH BOUNDARY AND SUBDIVISION OF T. 15 S., R. 26 E., AND RETRACEMENT F THE UTAH- COLORADO STATE BOUNDARY FROM THE 169th. MILE POST; TO THE 76th. MILE POST.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

ELLIOT BIRD

In the capacity of U. S. ~~*Surveyor*~~ Transitman, *under instructions dated* August 6, *1915*, *ssued by the United States Surveyor General to govern surveys included in Group No.* 41, *which were approved by the Commissioner of the General Land Office,* August 23, *1915*. Supplemental assignment instructions issued July 24, 1918.

Survey commenced September 30, *1918*.

Survey completed October 10, *1918*.

6—151

186.

Boundary Checked

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

B Computations F.B.J.

Comparing

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

BOOK A-442

INDEX DIAGRAM.

176th M. P.

Township 15 South, *Range* 26 East.

8 6

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169th. M. P.

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INDEX DIAGRAM.

176 In P

Township 15 S, Range 26 E

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Between State of Alaska Boundary Lines 169 E-176 Meridian Corners Projs 1.5S - 194

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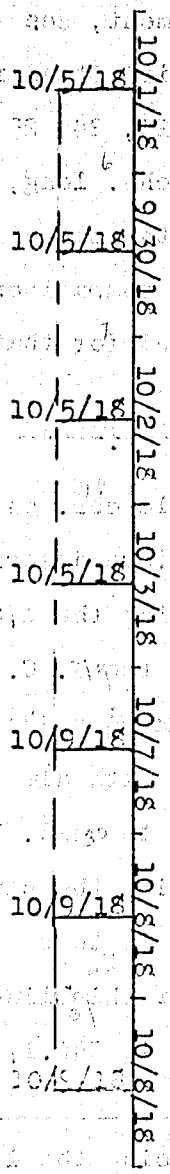
169 In P

DATE DIAGRAM



Survey commenced September 30, 1918 and executed with Young and Son light mountain transit No. 8531.

Transit was equipped with Smith's solar attachment and full vertical circle. The horizontal limb was provided with two double verniers, placed opposite each other and reading to a single minute of arc, which is also the least count of the verniers of the lat. decl. and vertical circles.

The instrument was approved for use on this survey by the

chains

Asst. Supervisor of Surveys for Utah, conditional upon satisfactory field tests, in supplemental assignment instructions dated July 24, 1918.

For test of instrument, see field notes pretaining to the survey of the Third Standard Parallel South, through Ranges, 21, 22, 23, 24, 25 and 26 East.

Steel tapes, 5.00 chs. long, together with clinometers for determining the slope angles were used in the field.

Tapes were tested, comparison being made with a 1.00 ch. standard tape used for that purpose only.

From WCto169th. mile cor. on the Utah- Colorado State Boundary, heretofore described.

N.0°01' E., retracing the 170th., 171st.,and 172nd. miles.

240.17 Fall 57 lks. E. of the W. C. 172nd. mile cor., which is a sandstone, 30 x 2½ x 24 ins. above moundd, firmly set in a rock mound, with dim marks on E. and W. faces but not plain enough to read. The description and location of this stone being the same as that in the old notes, I therefore take it to be the W. C. 172nd. mile cor.

The true bearing of this line is therefore N. 0°07' W., and the distance is 240.17 chs.

N. 0°01' E.,,retracing the 173rd. and 174th. miles.

162.54 Fall 28 lks. E. of the W. C. 174th. mile cor., which is limestone, 15 x 3 x 8 ins. above mound, firmly set in a mound of stone, marked C on E. face and 174 UT. on W. face. A mound of stone, 3 ft. base, 5 ft. high, bears N. of cor., 10 lks. dist. A blue limestone, 5 x 4 x 3 ins. above ground, marked U | C, bears S. 45° E., 50 lks dist. from cor.

The true bearing of this mile is therefore N. 0°05' W., and the distance is 162.54 chs.

North, retracing the 175th. and 176th. miles.

Retracement of the Utah- Colorado State Boundary
and
Establishment of ¼ sec. cors. on E. bdy. of T. 15 S., R. 26 E.

chains	
165.50	Intersect the W. C. to the 176th. mile post, which is an aspen post, 4 x 4 x 72 ins., lying on a mound of earth, marked UT. on one face, C WC 176 M on opposite face, faint traces if pits found N. and S. of post, 3 ft. dist.
	The true bearing is therefore North and the distance is 165.50 chs.
	From the W. C. to the 169th. mile post, heretofore described.
	N. 0°07' W., retracing the 170th., 171st. and 172nd. miles
	Asc. gradually over broken W. slope of ridge, through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
43.35	The standard cor. of T. 15 S., R. 26 E., heretofore described, 600 ft. above the 169th. mile post.
70.30	Ridge, 320 ft. above Tp. cor., bears SE. and NW.; desc. gradually.
81.10	Fall 10 lks. E. of sandstone rock, 30 x 24 x 5 ins. above ground, loosely set, marked SB CORNER UUIR 1811 on W. face.
83.40	On gentle NE. slope, 185 ft. above ridge; position midway bet. the standard cor. of T. 15 S., R. 26 E. and the C. C. of secs. 30 and 31.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of sec. 31 only, with a brass cap marked U ¼ S 31 | C 1918
	From which,
	A cedar, 12 ins. dia., bears S. 41½° W., 20 lks. dist., marked U ¼ S 31 BT.
	A pinon, 12 ins. dia., bears N. 15° W., 14 lks. dist., marked U ¼ S 31 BT.
123.45	The point for C. C. of secs. 30 and 31, hereinafter described.

chains	
163.43	On gentle NW. slope, 820 ft. below point for C. C. ; position midway bet. the C. C. of secs. 30 and 31 and secs. 19 and 30, hereinafter described.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of sec. 30 only, with a brass cap marked
	U ¼ S 30 | C 1918
	From which,
	A cedar, 12 ins. dia., bears N. 40° W., 40 lks. dist., marked U ¼ S 30 BT.
	No other bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
178.60	Ravine, 185 ft. below ¼ sec. cor., course S. 30° E.; asc. abruptly over broken SW. slope.
203.41	The point for C. C. of secs. 19 and 30, hereinafter described.
206.40	Point of spur, 580 ft. above ravine, desc. abruptly.
228.40	Head of ravine, 115 ft. below spur, course SW.; asc. abruptly.
240.17	The W. C. to the 172nd. mile post, 460 ft. above ravine, on top of divide bet. the White and Grand Rivers, bears E. and W.
	Land, rough mountains broken by deep ravines and outcropping of sandstone ledges.
	Soil, shallow sandy loam and subsoil loose sandstone rock.
	Drainage, SW. into Hell's Hole Canyon.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Good grazing.

From the W. C. to the 172nd. mile post.

N. 0°05' W., retracing the 173rd. and 174th. miles.

Desc. gradually over rough mountainous land through dense undergrowth of sage, serivce, oak and buck brush and

chains	
	scattering cedar, pinon and red pine timber.
13.25	On gentle NW. slope, 15 ft. below W. C. to the 172nd. mile post; position midway bet. the C. C. of secs. 19 and 30 and 18 and 19.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of sec. 19 only, with a brass cap marked
	$\frac{1}{4}$ U S 19 | C 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No bearing trees available.
13.00	Descent becomes more abrupt.
32.00	Head of ravine, 380 ft. below $\frac{1}{4}$ sec. cor., course W.; asc. abruptly.
43.26	The point for C. C. of secs. 18 and 19, hereinafter described.
44.00	Spur, 330 ft. above ravine, projects W.; desc. gradually.
54.70	Head of ravine, 250 ft. below spur, course NW.; asc. abruptly.
68.50	Spur, 310 ft. above ravine, projects NW.; desc. abruptly.
83.26	On steep NE. slope, 380 ft. below spur; position midway bet. the C. C. of secs. 18 and 19 and secs. 7 and 18, hereinafter described.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. of secs 18 only, with a brass cap marked
	$\frac{1}{4}$ U S 18 | C 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.
	No bearing trees available.
95.20	Head of gulch, 280 ft. below $\frac{1}{4}$ sec. cor., course NE.; asc. abruptly.
96.70	Point of spur, 85 ft. above gulch, projects N. 80° E.; desc. abruptly.

chains	
102.80	Bitter Creek, a stream of good clear water, 10 lks. wide 4 ins. deep, in Bitter Creek Canyon, 115 ft. below spu course W.; asc. abruptly.
103.70	Road, from Baxter Pass, Colo. to Indian camps, bears E. and W.
108.56	Intersect a sandstone rock, 10 x 10 x 8 ins. above a mound of stone, firmly set, marked $\frac{1}{4}$ S on S face, CC on W. face. Note: The survey of the Indian allotments in T. 15 S., R. 25 E., were commenced at this stone.
120.00	Point of spur, 185 ft. above Bitter Creek, projects SE.; desc. gradually.
123.26	The point for C. C. of secs. 7 and 18, hereinafter described.
127.70	Swale, 190 ft. below spur, course SE.; asc. abruptly.
140.60	West point of lone hill, 250 ft. above swale; desc. abrup
150.00	Draw, 180 ft. below hill, course SE.; asc. abrupt S. slop over sandstone ledges.
162.54	The W. C. to the 174th. mile post, on rocky spur, project W., 460 ft. above draw.
	Land, rough mountains broken by deep canyons and outcropp ings of sandstone ledges.
	Soil, shallow sandy loam, and subsoil loose sandstone rock.
	Drainage, NW. and SW. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Good grazing.

	From the W. C. to the 174th mile post.
	North, retracing the 175th. and 176th. miles.
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
0.71	On steep N. slope, 15 ft. below mile post; position midway bet. the C. C. of secs. 7 and 18 and C. C. of secs. 6 and 7, hereinafter described.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the

chains	
	ground, for ¼ sec. cor. of sec. 7 only, with a brass cap marked
	¼ U S 7 | C 1918
	From which,
	A red pine, 10 ins. dia., bears S. 79° W., 200 lks. dist., marked U ¼ S 7 BT.
	A red pine, 8 ins. dia., bears N. 73° W., 110 lks. dist., marked U ¼ S 7 BT.
30.20	Ravine, 460 ft. below ¼ sec. cor., course SW.; asc.
35.50	Spur, 180 ft. above ravine, projects SW.; desc. gradually.
40.70	The point for C. C. of secs. 6 and 7, hereinafter described.
62.20	Ravine, 360 ft. below spur, course SW.; asc. abruptly.
80.70	On spur, 355 ft. above ravine, projects SW.; position 40.00 chains north of the closing corner of sections 6 and 7, hereinafter described.
	Set an iron post 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of sec. 6 only, with a brass cap marked
	¼ U S 6 | C 1918
	From which,
	A pinon, 10 ins. dia., bears S. 33° W., 60 lks. dist., marked U ¼ S 6 BT.
	A red pine, 36 ins. dia., bears N. 45° W., 42 lks. dist., marked U ¼ S 6 BT.
103.20	Head of swale, 195 ft. below ¼ sec. cor., course SW.; asc. gradually.
109.60	Spur, 80 ft. above swale, projects SW.; desc. gradually.
119.20	Ravine, 210 ft. below spur, course SW.; asc. abruptly.
120.74	On spur, 55 ft. above ravine, point for C. C. of Ts. 14 and 15 S., R. 26 E., hereinafter described, continue abrupt ascent.
134.85	Head of hollow, 320 ft. above point for C. C., course S. 20° W.; asc. abruptly.

North Boundary of T. 15 S., R. 26 E.

chains	
161.00	Top of divide bet. Bitter Creek and Rat Hole Canyons, 670 ft. above hallow, bears E. and W.; desc. gradually.
165.50	The W. C. to the 176th. mile post, 85 ft. below divide.
	Land, mountainous broken by deep ravines and hallows.
	Soil, shallow sandy loam and subsoil loose sandstone rock.
	Drainage, W. and SW. into fork of Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering, cedars, pinon and red pine.
	Good grazing.
	From the cor. of Ts. 14 and 15 S., Rs. 25 and 26 E., heretofore described.
	East, bet. secs. 6 and 31.
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service and buck brush.
2.00	Head of ravine, 75 ft. below Tp. cor., course SE.; continue abrupt descent.
7.90	Point of spur, 35 ft. below ravine, projects S. 10° E.; desc. abruptly.
18.50	Hollow, 115 ft. below spur, course S. 20° W.; asc. gradually.
26.22	On spur, 25 ft. above hallow.
	Intersect the Utah- Colorado state bdy., South, 44.76 chs. dist. of the W. C. to the 176th. mile post.
	At point of intersection
	Set an iron post 3 ft. long, 3 ins. dia.; 24 ins. in the ground, for C. C. of Ts. 14 and 15 S., R. 26 E., with a brass cap marked

T14S
R26E | C
U S 31 | 176 M
S 6 | C
T15S

1918

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land, rough mountains.

Subdivision of T. 15 S., R. 26 E.

chains

Soil, shallow sandy loam and subsoil loose sandstone rock.

Drainage, SE. into fork of Bitter Creek.

Undergrowth, dense sagebrush, serviceberry and buck brush.

Timber, scattering red pines.

Good grazing.

From the cor. of secs. 1, 6, 7, and 12, on W. bdy. of Tp. heretofore described.

East, bet. secs. 6 and 7.

Desc. abruptly over mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

7.00 Hollow, 115 ft. below sec. cor., course S. 20° W.; asc. gradually.

20.00 Ascent becomes more abrupt.

26.18 On steep W. slope, 265 ft. above hallow.

Intersect the Utah- Colorado state bdy., North, 40.70 chs. dist. of the W. C. to the 174th mile post.

At point of intersection

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

T15S
R26E
U S 6 C | C 175 M
S 7 C |
1918

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

No bearing trees available.

Land, rough mountains.

Soil, shallow sandy loam; subsoil, loose sandstone rock.

Drainage, S. into Bitter Creek.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedar, pinon and red pine.

Good grazing.

From the cor. of secs. 7 and 12 on W. bdy. of Tp.

Subdivision of T. 15 S., R. 26 E.

chains	
	From the cor. of secs. 7, 12, 13 and 18, on W. bdy. of Tp. heretofore described.
	East, bet. secs. 7 and 18.
	Asc. gradually over broken mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
7.60	Head of ravine, same level as sec. cor.; course SW.; asc. abruptly.
20.00	Spur, 100 ft. above ravine, projects SE.; desc. abruptly.
26.26	On steep E. slope, 110 ft. below spur.
	Intersect the Utah-Colorado state bdy. S. 0°05' E., 39.28 chs. dist. of the W. C. to the 174th mile post.
	At point of intersection
	Set an iron post 3 ft. long, 2 ins. dia., 10 ins in the ground to solid rock and 14 ins. in a mound of stone, for C. C. of secs, 7 and 18, with a brass cap marked

T15S
R26E
S 7 — C
U — C
S 18 — C
174 M
1918

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land rough mountains.
	Soil, shallow sandy loam and subsoil loose sandstone rock.
	Drainage, SW. and SE. into Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, pinon and red pine.
	Good grazing.

	From the cor. of secs. 13, 18, 19 and 24, on W. bdy. of Tp., heretofore described.
	East, bet. secs. 18 and 19.
	Asc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, aspen, pinon and red pine timber.
3.40	Hollow, same level as sec. cor., course N. 80° E.; asc.
7.50	Point of spur, 85 ft. above hallow, projects NE.; desc. abruptly.

chains	
10.00	Hallow, 85 ft. below spur, course N.; asc. abruptly.
26.30	On steep W. slope, 370 ft. above hallow.
	Intersect the Utah- Colorado state bdy., N. 0°05' W., 43.26 chs. dist. of the W. C. to the 172nd. mile post.
	At point of intersection
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for C. C. of secs. 18 and 19, with a brass cap marked

T15S
R26E
S 18 | C
U ——— C | 173 M
S 19 |
1918

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land, rough mountains.
	Soil, shallow sandy loam and subsoil loose sandstone rock.
	Drainage, N. and W. into fork of Bitter Creek.
	Undergrowth, dense sage, service, oak and buck brush.
	Timber, scattering cedars, aspen, pinon and red pine.
	Good grazing.
	From the cor. of secs. 19, 24, 25 and 30, on W. bdy. of Tp., heretofore described.
	East, bet. secs. 19 and 30.
	Desc. abruptly over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.
12.50	Ravine, 385 ft. below sec. cor., course S. 20° E.; asc. abrupt W. slope.
26.42	On steep W. slope, 310 ft. above ravine.
	Intersect the Utah- Colorado state bdy., S. 0°07' E., 36.76 chs. dist. of the W. C. to the 172nd. mile post.
	At point of intersection.
	Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for C. C. of secs. 19 and 30, with a brass cap marked.

Subdivision of T. 15 S., R. 26 E.

chains

T15S
R26E
S 19 C | C
U ——— C 172 M.
S 30 |
1918

From which,

A pinon, 10 ins. dia., bears S. 75½° W., 65 lks. dist., marked U CC T15S R26E S 30 BT.

A pinon, 10 ins. dia., bears N. 81½° W., 42 lks. dist., marked U CC T15S R26E S 19 BT.

Land, rough and mountainous.

Soil, shallow sandy loam; subsoil, loose sandstone rock.

Drainage, S.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedar, pinon and red pine.

Good grazing.

From the cor. of secs. 25, 30, 31 and 36, on W. bdy of Tp., heretofore described.

East, bet. secs. 30 and 31.

Desc. gradually over rough mountainous land through dense undergrowth of sage, service, oak and buck brush and scattering cedar, pinon and red pine timber.

20.00 Descent becomes more abrupt.

26.47 On steep E. slope, 380 ft. below sec. cor.

Intersect the Utah- Colorado state bdy., S. 0°07' E., 116.72 chs. dist. of the W. C. to the 172nd mile post.

At point of intersection.

Set an iron post 3 ft. long, 2 ins. dia., 24 ins. in the ground, for C. C. of secs. 30 and 31, with a brass cap marked

T15S
R26E
U S 30 C | C
——— C 171 M
S 31 |
1918

From which,

A pinon, 10 ins. dia., bears S. 42½° W., 38 lks. dist., marked U CC T15S R26E S 31 BT.

General Description.

chains

A cedar, 12 ins. dia., bears N. 45° W., 6 lks. dist., marked U.CC T15S R26E S 30 BT.

Land, rough mountaine.

Soil, shallow sandy loam; subsoil, loose sandstone rock.

Drainage, east.

Undergrowth, dense sage, service, oak and buck brush.

Timber, scattering cedars, pinon and red pine.

Good grazing.

Latitudes, Departures and closing errors.

Line designated	True bearing	Distance	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		chs.	chs.	chs.	chs.	chs.
3rd Sta Par S.	West	26.55		—		26.55
West bdy. Tp.	North	480.00	480.00			
North bdy. Tp.	East	26.22			26.22	
S.B. 175&176 M.	South	120.74		120.74		
S.B. 173&174 M.	S.0°05'E.	162.54		162.54	0.24	
170,171&172 M.	S.0°07'E.	196.82		196.82	0.40	
Convergency					0.03	
Totals			480.00	480.10	26.89	26.55
				480.00	26.55	
Errors in latitudes and departures				0.10	0.34	

General Description

The land embraced in this fractional township is rough and mountainous, broken by deep canyons, ravines and outcroppings of sandstone ledges. The highest point in this fractional township is in sec. 19 and is a high range of mountains which form the divide bet. the White and Grand Rivers. The elevation of this point is about 8000 feet above sea level.

The undergrowth consists of dense sage, service, oak and buck brush and is found on all parts of the township.

The timber consists of scattering cedars, aspen, pinon and red pine.

Bitter Creek is the largest stream of water and is a stream of good clear water about 10 links wide and 5 ins. deep. This stream runs W. through the N. half of sec. 18. A small developed spring is also found in the N. half of

BOOK A-442

General Description.

sec. 6.

This fractional township is suitable for a summer grazi
range and is exceedingly good for this purpose. No pa
is suitable for farming and no settlers were found on
the township at the time of the survey.

Salt Lake City, Utah. April 12, 1919 Elliot B

U.S. Transitman.

Water Locations in T. 15 S., R. 26 E.

Bitter Creek: S.½ of N.½ of sec. 18.

Spring: W.½ of sec. 6.

Salt Lake City, Utah. April 12, 1919. Elliot Reid

U.S. Transitman.

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BOOK A-442

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Guy Bird	Rear- Chainman.

Volume

#

R0442

6—2764

CERTIFICATE OF UNITED STATES ~~SURVEYOR.~~ TRANSITMA

I Elliot Bird, U. S. ~~Surveyor~~ Transitman, hereby certify upon honor that, in pursu of special instructions received from the U. S. Surveyor General for Utah bearing date of the sixth day of August, 1915, I have well, faithfully, and in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Ins tions, and the laws of the United States, surveyed all those parts or portions of North boundary subdivision of T. 15 S. R. 26 E.S.L.B.& M., and retraced the Utah-Co State Boundary, from the 169th mile post to the 176 th. mile post, of the Salt Lake Base and ~~Meridian~~, in the State of Utah, which are represente and date diagram on page 1 on dates shown on said diag the foregoing field notes, as having been executed by me, and under my direction, and that all the corne said survey have been established and perpetuated in strict accordance with the Manual of Surveying Inst 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 note such survey.

Salt Lake City, Utah; April 12, 1919 Elliot Bird

U. S. ~~Surve~~ Transi

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 21, 19

The foregoing field notes of the survey of the north boundary and subdivision of Township No. 15 South, Range No. 26 East of the Salt Lake Base and Meridian, Utah, and the retracement of the Utah-Colorado State Bound from the 169th to the 176 mile post;

executed by Elliot Bird

under ~~his~~ special instructions dated August 6, 191 5 having be critically examined, and the necessary corrections and explanations made, the said field notes and retracements they describe, are hereby approved.

U. S. Surveyor Genera

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

U. S. Surveyor General

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Page

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Page

4—679

BOOK A-442

H.

FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY, EAST BOUNDARY, WEST BOUNDARY AND SUBDIVISION

OF T. 14 S., R. 25 E.

Of the SALT LAKE BASE AND *Meridian,*

n the State of UTAH

EXECUTED BY

RALPH GENTRY

Cadastral Engineer

n the capacity of U. S. ~~*Surveyor*~~, *under instructions dated* August 6, *1915*,

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

Group No. 41, *which were approved by the Commissioner of the General Land*

Office, August 23, *191*5.

Survey commenced June 25, *191*3.

Survey completed September 12, *191*3.

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

Comparing F.B.J. V.I.F.

Comparing V.I.F. Notes K.F.B.

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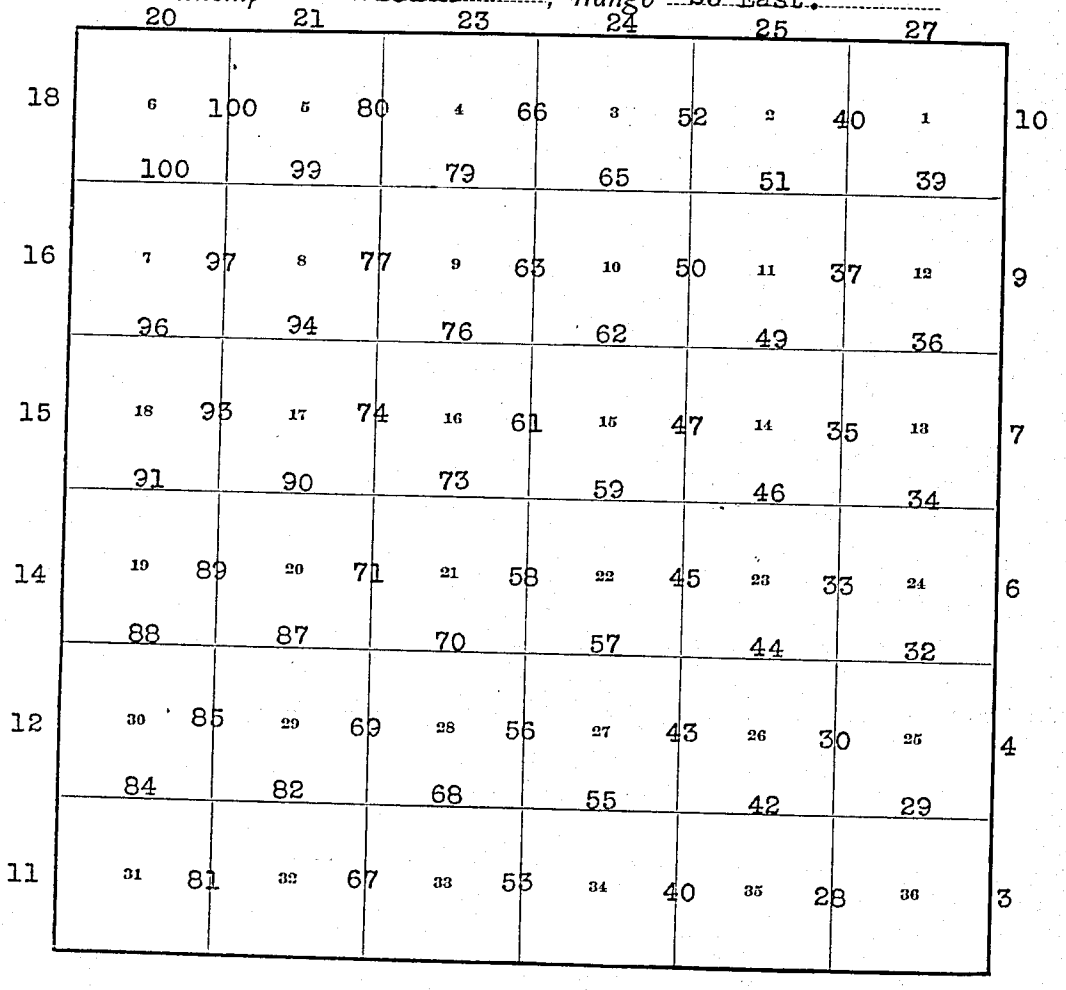
INDEX DIAGRAM.

Township 14 South, *Range* 25 East.



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304	302	284	270	257	244
223 18 301	17 282	16 269	15 255	14 243	13 215
299	298	281	267	254	242
222 19 297	20 279	21 266	22 253	23 241	24 214
296	295	278	265	252	240
220 30 293	29 277	28 264	27 257	26 238	25 212
292	290	276	263	249	237
219 31 289	32 275	33 261	34 248	35 236	36 211

6—4817

DATE DIAGRAM OF T. 14 S., R. 25 E.

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

TEST OF INSTRUMENT.

Survey commenced June 25, 1919 and executed with Buff and Buff solar transit No. 8028. The instrument is equipt with full vertical circle and Smith solar attachment. The horizontal limbs are provided with two double verniers, placed opposite each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for Utah in supplemental assignment instructions dated June 12, 1919.

I examine the adjustments of the instrument and correct

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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 determin by observations made on Polaris, I proceed as follows.

June 25, 1919; At my camp which is situated in sec. 30, T. 14 S., R. 26 E., approximate latitude 39°35' N., longitude 109°06' W.; at 7h 54m 00s p.m. l.m.t., I make an hour angle observation on Polaris, making four observations, two each with the telescope in direct and reversed positions, and note a tree on line with the star. The hour angle of Polaris being 11h 24m, I turn 0°13' to the W., (which is the azimuth of Polaris) and note a tree about one mile dist. on the meridian.

June 26, 1919: At same station I make a meridian altitude observation of the sun for latitude, observing the altitu of the sun's lower limb with the telescope in direct position, reversing the transit and observing the sun's upper limb.

Apparent time of observation, noon	12h 00m 00s.
Mean observed altitude	73° 47' 05''
Reduced latitude	39° 35' 55''

Latitude found to be 01' more than that given on plat.

At 5h 00m 00s p.m., apparent time, I set off 23°24' N. on the declination arc, 39°36' N. on the latitude arc, and determine a meridian with the solar which bears 0° 00' 30'' east of the Polaris meridian.

June 27, 1919: At 7h 00m oos a.m. apparent time, I set off 23° 22' 30'' N. on the declination arc, 39°36' N. on the latitude arc, and determine a meridian with the solar which bears 0° 00' 30'' W. of the Polaris meridian.

As all of the solar observations come within 0'30'' of the Polaris meridian, I conclude that the adjustments of the instrument are correct.

No magnetic declination was determined on account of a defective needle.

EAST BOUNDARY OF T. 14 S., R. 25 E.

chains

MEASUREMENTS.

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

EAST BOUNDARY OF T. 14 S., R. 25 E.

From the cor. of Ts. 14 and 15 S., Rs. 25 and 26 E., which is an iron post, 3 ins. dia., extending 12 ins. above the ground, with a brass cap marked

T14S
R25E | R26E
S36 | S31
S1 | S6
T15S
1919

Witnessed by a mound of stone, 2 ft. base, 1½ ft. high, south of cor.

North, bet. secs. 31 and 36.

Ascend abrupt S. slope over mountainous land, through scattering undergrowth of sage, service oak and buck brush and scattering red pine timber.

20.35 Road on top of ridge, bears N. 60° E. and SW., ridge bears with road, 130 ft. above cor.

24.85 Begin abrupt descent into hollow, bears E. and W.

40.00 On gentle NE. slope, 200 ft. below ridge.

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

¼
S36 | S31
1919

From which,

A red pine, 12 ins. dia., bears N. 82° W., 193 lks. dist., marked ¼ S36 BT.

chains	
	No other bearing trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of c
46.30	Hollow, course NW., 55 ft. below the ¼ sec. cor.
54.60	Point of spur, projects W., 60 ft. above bottom of hollo
62.70	Old road, bears E. and W., enter aspen timber, bears E a
63.00	Ravine, 200 ft. below point of spur, course W., leave as timber, bears E. and W.
80.00	On rolling top of ridge, bears E. and W., 270 ft. above ravine.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, with a bras cap marked

T14S
R25E R26E
S25 | S30
S36 | S31

1919

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor
No bearing trees available.
Land, mountainous broken by deep ravines.
Soil, shallow dark rich sandy loam.
Undergrowth, scattering service, oak, buck and sage brush
Timber, scattering red pine on all of mile and dense aspe bet. the 62.70 chs. and the 63.00 chs. points.
Drainage, W.
Good grazing on all of mile.

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

chains	
	Descend gradually over rolling top of ridge, through scattering undergrowth of live oak, service, buck and sage brush and scattering red pine timber.
23.00	Descend from ridge over N. slope of spur, same level as cor.
40.00	On steep N. slope, 475 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

EAST BOUNDARY OF T. 14 S., R. 25 E.

chains	
	$\frac{1}{4}$ S25 | S30 1919
	From which,
	A red pine, 4 ins. dia., bears S. 89° E., 28 lks. dist., marked $\frac{1}{4}$ S30 BT.
	A red pine, 8 ins. dia., bears S. 4° W., 166 lks. dist., marked $\frac{1}{4}$ S25 BT.
53.20	Wire fence, bears E., 75 lks. dist., thence S. 15° E. and W., enter bottom of Rat Hole Canyon, bears E. and W., 330 ft. below the $\frac{1}{4}$ sec. cor., leave service brush, bears E. and W., thence over bottom of Rat Hole Canyon.
53.40	Small stream of good clear water, 3 lks. wide, 2 ins. deep, in wash, 20 lks. wide, 3 ft. deep, course W.
55.00	A log cabin, 14 ft. wide, 16 ft. long, belongs to Thomas King, bears N. 83°50' W., 17.78 chs. dist.
55.30	Wash, 20 lks. wide, 3 ft. deep, course S. 80° W.
58.20	Wire fence, bears S. 80° W. and N. 80° E.
58.50	Road, bears S. 80° W. and N. 80° E., leave bottom of Rat Hole Canyon, bears E. and W., enter service brush, bears E. and W., thence ascend abrupt S. slope.
80.00	On steep S. slope of Rat Hole Canyon, 485 ft. above bottom. Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in the ground to solid rock and 12 ins. in a mound of stone, for cor. of secs. 19, 24, 25 and 30, with a brass cap marked
	T14S R25E R26E S24 | S19 S25 | S30 1919
	From which,
	A red pine, 8 ins. dia., bears N. 40°30' E., 15 lks. dist., marked T14S R26E S19 BT.
	A red pine, 10 ins. dia., bears S. 41°45' E., 36 lks. dist., marked T14S R26E S30 BT.
	A red pine, 12 ins. dia., bears S. 27°15' W., 53 lks. dist., marked T14S R25E S25 BT.

EAST BOUNDARY OF T. 14 S., R. 25 E.

chains	
	A red pine, 14 ins. dia., bears N. 27° W., 39 lks. dist., marked T14S R25E S24 BT.
	Land, mountainous and broken by deep gulches and canyons
	Soil, shallow red sandy loam.
	Drainage, W., by Rat Hole Canyon.
	Undergrowth, scattering service, live oak, buck and sage brush.
	Timber, scattering red pine.
	Good grazing on all of mile.
	From the cor. of secs. 19, 24, 25 and 30.
	North, bet. secs. 19 and 24.
	Ascend abruptly over rough mountainous land, through dense service and buck brush and scattering red pine timber.
15.60	Top of ascent from Rat Hole Canyon, bears NE. and SW., 235 ft. above cor., thence over rolling top of ridge.
40.00	On rolling top of ridge, same level as top of ascent.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S24 | S19 1919
	From which,
	A red pine, 8 ins. dia., bears S. 35°15' E., 494 lks. dist., marked ¼ S19 BT.
	A red pine, 12 ins. dia., bears N. 64° W., 600 lks. dist., marked ¼ S24 BT.
59.50	Old road, bears E. and W.
75.00	Leave level top of ridge, bears S. 30° E. and NW., same level as the ¼ sec. cor., thence descend abruptly into gulch.
80.00	On steep NE. slope, 145 ft. below top of ridge.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor of secs. 13, 18, 19 and 24, with a brass cap marked

EAST BOUNDARY OF T. 14 S., R. 25 E.

chains	
	T14S R25E R26E S13 | S18 S24 | S19 1919
	From which,
	A red pine, 8 ins. dia., bears N. 24° E., 28 lks. dist., marked T14S R26E S18 BT.
	A red pine, 6 ins. dia., bears S. 23° E., 41 lks. dist., marked T14S R26E S19 BT.
	A red pine, 6 ins. dia., bears S. 77°30' W., 30 lks. dist., marked T14S R25E S24 BT.
	A aspen, 6 ins. dia., bears N. 45°45' W., 30 lks. dist., marked T14S R25E S13 BT.
	Land, broken steep slope on S. 15.60 chs., rolling remainder of mile.
	Soil, dark sandy loam mixed with loose rock.
	Drainage, W.
	Undergrowth, scattering sage brush and dense service and buck brush.
	Timber, scattering red pine.
	Good grazing on all of mile.
	From the cor. of secs. 13, 18, 19 and 24.
	North, bet. secs. 13 and 18.
	Descend abruptly over mountainous land, through dense service and buck brush and scattering aspen and red pine timber.
8.40	Ravine 230 ft. below cor., course N. 75° W., leave aspen timber, bears N. 75° W. and S. 75° E.
32.00	Point of spur, projects W., 330 ft. above ravine.
34.00	Red pine timber becomes dense, bears E. and W.
40.00	On steep N. slope, 235 ft. below top of spur.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S13 | S18 1919

chains

From which,

A red pine, 14 ins. dia., bears N. 54° E., 9 lks. di
marked ¼ S18 BT.

A red pine, 5 ins. dia., bears S. 54°15' W., 6 lks.
dist., marked ¼ S13 BT.

55.75 Wash, 10 lks. wide, 6 ft. deep, in bottom of Tent Canyon
300 ft. below the ¼ sec. cor., leave timber and enter
scattering undergrowth of sagebrush, bears E. and W.,

58.40 Course of wash and Tent Canyon, W.

58.40 Road, bears E. and W.

59.10 Net wire fence, bears E. and W.

60.00 Enter scattering cedar, pinon and red pine timber, bears
E. and W.

80.00 On top of spur, 560 ft. above Tent Canyon, projects W.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in th
ground, for cor. of secs. 7, 12, 13 and 18, with a bras
cap marked

T14S
R25E R26E

S12	S7
S13	S18

1919

From which,

A red pine, 10 ins, dia., bears S. 23°30' E., 198 lks
dist., marked T14S R26E S18 BT.

A cedar, 6 ins. dia., bears S. 26° W., 108 lks. dist.,
marked T14S R25E S13 BT.

A red pine, 10 ins. dia., bears N. 45° W., 210 lks.
dist., marked T14S R25E S12 BT.

No NE. bearing tree available.

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

Land, mountainous with steep slopes.

Soil, dark sandy loam mixed with gravel.

Undergrowth, dense service and buck brush on S. 34,00
chs., scattering on remainder of mile.

Timber, scattering aspen on S. 8.40 chs., scattering red
pine on S. 34.00 chs., dense red pine bet. the 34.00 ch

chains	
	point and the 55.74 chs. point, scattering cedar, pinon and red pine timber on remainder of mile.
	Drainage, W.
	Good grazing on all of mile.
	From the cor. of secs. 7, 12, 13 and 18.
	North, bet. secs. 7 and 12.
	Descend gradually over rolling top of spur, through dense service, oak and buck brush and scattering cedar, pinon and red pine timber.
6.00	Begin abrupt descent into ravine, bears E. and W.
26.40	Spring of good clear water, bear W. of line, 1.25 chs. dist.
27.25	Ravine, 480 ft. below cor., course S. 80° W., thence ascend along the W. side of a ravine draining from N. 10° E. and which empties into the ravine on line.
40.00	On steep E. slope, 130 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S12 | S7 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
76.90	Road, bears NE. and SW.
80.00	On rolling land, 235 ft. above the ¼ sec. cor.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, with a brass cap marked
	T14S R25E R26E S1 | S6 S12 | S7 1919
	From which,
	A lone pinon, 6 ins. dia., bears N. 56° E., 223 lks. dist., marked T14S R26E S6 BT.
	No other bearing trees available.

chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of
	Land, mountainous broken by deep canyons and ravines.
	Soil, shallow dark sandy loam mixed with gravel.
	Drainage, S. 80° W.
	Undergrowth, dense service, sage, oak and buck brush.
	Timber, scattering cedar, pinon and red pine.
	Good grazing on all of mile.
	From the cor. of secs. 1, 6, 7 and 12.
	North, bet. secs. 1 and 6.
	Ascend gradually over rolling land, through dense servi and sage brush and scattering red pine timber.
5.00	Top of mountain, 45 ft. above cor., bears NW. and E., leave timber, bears E. and W., thence descend graduall over nearly level land along the W. side of a spur.
40.00	On rolling land, 120 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

¼

S1 | S6

1919

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of c
80.00	On the N. side of a spur, 135 ft. below the ¼ sec. cor.
	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in th ground, for cor. of Ts. 13 and 14 S., Rs. 25 and 26 E., with a brass cap marked

T13S

R25E R26E

S36 | S31

S1 | S6

T14S

1919

	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of co
	Land, rolling top of mountains.
	Soil, shallow dark sandy loam mixed with gravel.
	Drainage, N.
	Undergrowth, dense service and sage brush.

WEST BOUNDARY OF T. 14 S., R. 25 E.

chains	
	Timber, scattering red pine on S. 5.00 chs., none on remainder of mile.
	Good grazing on all of mile.
	From the cor. of Ts. 14 and 15 S., Rs. 24 and 25 E., which is an iron post, 3 ins. dia., extending 12 ins. above the ground, marked and witnessed as heretofore described.
	North, bet. secs. 31 and 36.
	Descend gradually over mountainous land, through scattering undergrowth of service, buck and sage brush and scattering cedar and pinon timber.
6.25	Wash, 50 lks. wide, 3 ft. deep in bottom of canyon, 125 ft. below cor., course NW.
10.00	Enter scattering red pine timber, bears NW. and SE., cedar and pinon timber becomes dense, bears NW. and SE.
29.00	Top of ridge, 330 ft. above canyon, bears N. 10° W. and SE., thence over rolling top of ridge.
35.00	Descend gradually from rolling top of ridge, bears E. and NW.
40.00	On gentle N. slope, 50 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S36 | S31 1919
	From which,
	A cedar, 6 ins. dia., bears N. 60°30' E., 57 lks. dist., marked ¼ S31 BT.
	A pinon, 6 ins. dia., bears N. 80° W., 70 lks. dist., marked ¼ S36 BT.
72.60	Ravine, 400 ft. below the ¼ sec. cor., course N. 30° E.
80.00	On broken NW. slope, 125 ft. above ravine.
	Set an iron post, 3 ft. long, 2 ins. dia., 16 ins. in the ground to solid rock and 8 ins. in a mound of stone, for cor. of secs. 25, 30, 31 and 36, with a brass cap marked

chains.	
	T14S R24E R25E S25 | S30 S36 | S31 1919
	From which,
	A pinon, 6 ins. dia., bears N. 39° E., 30 lks. dist., marked T14S R25E S30 BT.
	A pinon, 10 ins. dia., bears S. 79°15' E., 30 lks. di marked T14S R25E S31 BT.
	A pinon, 8 ins. dia., bears S. 7°30' W., 17 lks. dist. marked T14S R24E S36 BT.
	A pinon, 12 ins. dia., bears N. 16°15' W., 48 lks. dis marked T14S R24E S25 BT.
	Land, rough and mountainous.
	Soil, shallow dark sandy loam and hard clay mixed with gravel.
	Drainage, NW.
	Undergrowth, scattering service, sage and buck brush.
	Timber, scattering cedar and pinon on S. 10.00 chs., den cedar and pinon and scattering red pine on N. 70.00 chs
	Good grazing on all of mile.
	From the cor. of secs. 25, 30, 31 and 36.
	North, bet. secs. 25 and 30.
	Ascend gradually over mountainous land, through scatteri undergrowth of service, sage and buck brush and dense cedar and pinon and scattering red pine timber.
8.50	Top of ascent on steep side of canyon sloping E., 90 ft. above cor.
18.60	Ravine, 330 ft. below top of ascent, course N. 80° E.
35.50	Top of ascent on point of spur, 350 ft. above ravine, projects E.
40.00	On steep W. slope, 100 ft. below top of spur.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

WEST BOUNDARY OF T. 14 S., R. 25 E.

chains

$\frac{1}{4}$

S25 | S30

1919

From which,

A pinon, 12 ins. dia., bears N. 8°30' E., 15 lks. dist., marked $\frac{1}{4}$ S30 BT.

A red pine, 8 ins. dia., bears S. 48° W., 32 lks. dist., marked $\frac{1}{4}$ S25 BT.

45.50 Ravine, 150 ft. below the $\frac{1}{4}$ sec. cor., course S. 75° E.

65.00 Spur, 400 ft. above ravine, projects E.

80.00 On steep E. slope, 230 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. dia., 8 ins. in the ground to solid rock and 16 ins. in a mound of stone, for cor. of secs. 19, 24, 25 and 30, with a brass cap marked

T14S
R24E R25E
S24 | S19
S25 | S30

1919

From which,

A pinon, 5 ins. dia., bears N. 49°30' E., 31 lks, dist., marked T14S R25E S19 BT.

A red pine, 7 ins. dia., bears S. 27°15' E., 45 lks, dist., marked T14S R25E S30 BT.

A red pine, 6 ins. dia., bears S. 78° W., 52 lks. dist., marked T14S R24E S25 BT.

A pinon, 5 ins. dia., bears N. 40°45' W., 61 lks. dist., marked T14S R24E S24 BT.

Land, rough and mountainous.

Soil, shallow dark sandyloam and hard clay mixed with gravel.

Drainage, E., into Bitter Creek.

Undergrowth, scattering service, oak, sage and buck brush.

Timber, dense cedar and pinon and scattering red pine.

Good grazing on all of mile.

WEST BOUNDARY OF T. 14 S., R. 25 E.

chains	
	From the cor. of secs. 19, 24, 25 and 30.
	North, bet. secs. 19 and 24.
	Descend abruptly over mountainous land, through scatteri undergrowth of service, sage and buck brush and dense cedar and pinon and scattering red pine timber.
15.10	Ravine, 520 ft. below cor., course N. 60° E.
33.60	Top of spur, 330 ft. above ravine, projects NE., thence over level top of spur.
39.00	Leave level top of spur and descend abruptly, bears NE. and SW.
40.00	On steep NW. slope of spur, 30 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

¼
S24 | S19
1919

From which,

A cedar, 7 ins. dia., bears N. 79°30' E., 18 lks. dist. marked ¼ S19 BT.

A cedar, 7 ins. dia., bears N. 72°30' W., 33 lks. dist. marked ¼ S24 BT.

51.80	Ravine, 380 ft. below the ¼ sec. cor., cpurse NE.
61.00	Top of ascent, 160 ft. above ravine, slopes NW.
73.00	Leave timber, bears W. and S. 15° E.
80.00	At mouth of gulch, from S. 60° W., 220 ft. below top of a
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 13, 18, 19 and 24, with a bras cap marked

T14S
R24E R25E
S13 | S18
S24 | S19
1919

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

From this cor, a spring of good clear water, bears N. 48° 05' E., 26.80 chs. dist.

chains	
	Land, rough and mountainous.
	Soil, shallow coarse sandy loam mixed with clay and gravel.
	Drainage, NE., into Bitter Creek.
	Undergrowth, scattering service, sage and buck brush.
	Timber, scattering red pine and dense cedar and pinon on S. 73.00 chs.
	Good grazing on all of mile.
	From the cor. of secs. 13, 18, 19 and 24.
	North, bet. secs. 13 and 18.
	Ascend abruptly over broken mountainous land, through scattering undergrowth of sage, service and buck brush.
6.00	Enter scattering cedar, pinon and red pine timber.
28.00	Top of ascent on W. side of Bitter Creek Canyon, 400 ft. above cor., slopes E.
34.00	Sagebrush undergrowth becomes dense, bears S. 15° E. and N. 15° W.
40.00	On steep NE. slope., 430 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S13 | S18 1919
	From which,
	A pinon, 6 ins. dia., bears N. 84° W., 44 lks. dist., marked ¼ S13 BT.
	No other bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
45.70	Bitter Creek, in Bitter Creek Canyon, a stream of good clear water, 5 lks. wide, 3 ins. deep, 120 ft. below the ¼ sec. cor., course N. 30° W., thence over level bottom of canyon.
46.20	Irrigation ditch, 4 lks. wide, 1 ft. deep, course N. 15° W.
60.00	Road, bears NW. and SE.
70.00	Ascend from bottom of Bitter Creek Canyon, bears N. 30° W. and S. 15° E.

chains	
76.30	Point of ledge, 130 ft. above bottom of canyon, project N. 2° W. and S. 15° E.: Onaccount of line passing alon E. face of ledges where it is impossible to chain, I offset W., 1.00 ch. dist., thence N. on offset line.
80.00	Offset E. 1.00 ch. to true line and at foot of ledge, 7 ft. below point of ledge.
	Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in th ground to solid rock and 18 ins. in a mound of stone, for cor. secs. 7, 12, 13 and 18, with a brass cap marked

T14S
R24E R25E
S12 | S7
S13 | S18
1919

From which,

A red pine, 10 ins. dia., bears N. 40°45' E., 68 lks. dist., marked T14S R25E S7 BT.

A pinon, 5 ins. dia., bears S.,39°45' E., 11 lks. dist marked T14S R25E S18 BT.

A red pine, 10 ins. dia., bears S. 65°30' W., 26 lks. dist., marked T14S R24E S13 BT.

A red pine, 6 ins. dia., bears N. 13°30' W., 81 lks. dist., marked T14S R24E S12 BT

Land, rough and mountainous.

Soil, on S. half mile and N. 10.00 chs., coarse sandy and clay loam, remainder of mile, rich sand and clay loam.

Drainage, N. 30° W., by Bitter Creek.

Undergrowth, scattering service and buck brush on all of mile, scattering sagebrush on S. 34.00 chs. and dense sage brush remainder of mile.

Timber, scattering cedar, pinon and red pine.

Good grazing on all of mile.

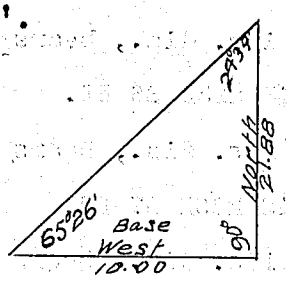
From the cor. of secs. 7, 12, 13 and 18.

North, bet. secs. 7 and 12.

Descend gradually over broken land, through scattering

WEST BOUNDARY OF T. 14 S., R. 25 E.

chains	
	undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
5.50	Bottom of canyon, 130 ft. below cor., bears NE. and SW., thence over rolling bottom of canyon.
12.00	Ascend from bottom of canyon over broken ledges which it is impossibe to chain over, I therefore determine the dist. by triangulation as follows: Set a flag on line to the N. at top of ledges and it being impracticable to extend a base line from this point or the 12.00 chs. point, I returns to the sec. cor. and run a base line W., 10.00 chs. dist.; from this point, flag at top of ledges subtends and angle of 65°26'.



Dist. by triangulation = 21.88 chs.

21.88	To point of triangulation at top of ledges, continue ascent.
38.00	Spur, 530 ft. above canyon, projects SE., thence alongside of spur on near level line.
40.00	On level side of spur.

Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock and 14 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼

S12 | S7

1919

From which,

A red pine, 12 ins. dia., bears S. 25°45' E., 19 lks. dist., marked ¼ S7 BT.

A pinon, 6 ins. dia., bears N. 11°45' W., 50 lks. dist., marked ¼ S12 BT.

48.50	Descend from level side of spur into ravine, bears NW. and SE.
52.50	Ravine, 120 ft. below spur, course S. 60° E.

chains	
61.00	Ridge, 160 ft. above ravine, bears NE. and W.
77.70	Ravine, 100 ft. below ridge, course W.
80.00	On steep S. slope, 30 ft. above ravine.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in t ground, for cor. of secs. 1, 6, 7 and 12, with a brass cap marked

T14S

R24E	R25E
S1	S6
S12	S7

1919

From which,

A pinon, 8 ins. dia., bears N. 65° E., 30 lks. dist., marked T14S R25E S6 BT.

A pinon, 4 ins. dia., bears S. 37°30' E., 33 lks. dis marked T14S R25E S7 BT.

A pinon, 8 ins. dia., bears S. 45°15' W., 70 lks. dis marked T14S R24E S12 BT.

A pinon, 8 ins. dia., bears N. 82°15' W., 44 lks. dis marked T14S R24E S1 BT.

Land, mountainous with rough steep slopes and ledges.

Soil, shallow sandy loam mixed with hard clay and loose rock.

Drainage, W., into Bitter Creek.

Undergrowth, scattering service, sage and buck brush.

Timber, scattering cedar, pinon and red pine.

Good grazing on all of mile.

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

North, bet. secs. 1 and 6.

Ascend abruptly over broken mountainous land, through scattering undergrowth of service, sage and buck brush and scattering cedar, pinon and red pine timber.

6.00	Top of ascent on point of spur, 160 ft. above cor., slop W., descend.
12.25	Ravine, 75 ft. below point of spur, course SW.

WEST BOUNDARY OF T. 14 S., R. 25 E.

Chains	
19.00	Spur, 160 ft. above ravine, projects S. 60° W.
29.10	Ravine, 110 ft. below spur, course W.
39.00	Spur, 100 ft. above ravine, projects W.
40.00	On gentle N. slope of spur, 10 ft. below top. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

¼
S1 | S6
1919

From which,

A pinon, 7 ins. dia., bears S. 56°45' E., 44 lks. dist., marked ¼ S6 BT.

A cedar, 5 ins. dia., bears N. 81° W., 25 lks. dist., marked ¼ S1 BT.

45.20	Ravine, 60 ft. below the ¼ sec. cor., course W.
57.00	Spur, 100 ft. above ravine, projects W.
71.50	Gulch, 240 ft. below spur, course N. 75° W.
80.00	On spur, 220 ft. above gulch, projecting NW. Set an iron post, 3 ft. long, 3 ins. dia., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for the cor. of Ts. 13 and 14 S., Rs. 24 and 25 E., with a brass cap marked

T13S
R24E R25E
S36 | S31
S1 | S6
T14S
1919

From which,

A pinon, 6 ins. dia., bears N. 39°30' E., 10 lks. dist., marked T13S R25E S31 BT.

A pinon, 6 ins. dia., bears S. 18° E., 15 lks. dist., marked T14S R25E S6 BT.

A pinon, 6 ins. dia., bears S. 70°45' W., 58 lks. dist., marked T14S R24E S1 BT.

A pinon, 8 ins. dia., bears N. 52° W., 18 lks. dist., marked T13S R24E S36 BT.

WEST BOUNDARY OF T. 14 S., R. 25 E.

chains	
	Land, mountainous with rough steep slopes.
	Soil, coarse sandy loam mixed with hard clay and gravel.
	Drainage, W.
	Undergrowth, scattering service, sage and bu ck brush.
	Timber, scattering cedar, pinon and red pine.
	Good grazing on all of mile.
	From the cor. of Ts. 13 and 14 S., Rs. 25 and 26 E.
	West, on a random line along the N. bdy. of the townshi setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and at 479.64 chs., intersect the W. bdy. the township, 30 lks. S. of the cor. of Ts. 13 and 14 Rs. 24 and 25 E., This falling answers to a correction of 0°02', or 5 lks. N. per mile, counting from the NE., cor. of the township; therefore
	S. 89°58' E., bet. secs. 6 and 31, marking and blazing true line.
	Over rolling mountainous land, through scattering underg of sage, service, and buck brush and dense cedar and pinon timber.
34.00	Enter scattering timber and dense sagebrush, bears B. and
39.64	On rolling land, same level as township cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S31 / S6
	1919
	From which,
	A pinon, 6 ins. dia., bears S. 29° E., 52 lks. dist., marked ¼ S6 BT.
	A pinon, 6 ins. dia., bears N. 3°30' W., 47 lks. dist., marked ¼ S31 BT.
60.60	Cedar and pinon timber becomes dense, bears NW. and SE.
61.60	Top of abrupt descent into canyon, bears N. and S., thenc descend abruptly into canyon.
79.64	In bottom of canyon, 460 ft. below top of descent, course S. 30° W.

NORTH BOUNDARY OF T. 14 S., R. 25 E.

chains

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 5,6, 31 and 32, with a brass cap marked

T13S R25E
S31 | S32
S6 | S5
T14S

1919

From which,

A cedar, 6 ins. dia., bears N. 33°30' E., 53 lks. dist., marked T13S R25E S32 BT.

A cedar, 4 ins. dia., bears S. 32°15' E., 54 lks. dist., marked T14S R25E S5 BT.

A cedar, 8 ins. dia., bears S. 47° W., 4 lks. dist., marked T14S R25E S6 BT.

A cedar, 6 ins. dia., bears N. 3°15' W., 81 lks. dist., marked T13S R25E S31 BT.

Land, rolling on W. 61.64 chs., broken remainder of mile.

Soil, coarse sandy loam and hard clay mixed with rock.

Drainage, S. 30° W.

Undergrowth, scattering service, sage and buck brush on W. 60.64 chs., dense sage and scattering service and buck brush on remainder of mile.

Timber, scattering pinon and cedar.

From the cor. of secs. 5, 6, 31 and 32.

S. 89°58' E., bet. secs. 32 and 5.

Ascend abruptly from canyon over steep mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar and pinon timber.

16.50 Top of abrupt ascent from canyon, 485 ft. above cor., bears N. and S., thence over rolling land,

40.00 On rolling land, same level as top of ascent from canyon.

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

NORTH BOUNDARY OF T. 14 S., R. 25 E.

chains	
	$\frac{1}{4}$ S32 / S5 1919
	From which,
	A pinon, 4 ins. dia., bears S. 53°45' E., 13 lks. dist marked $\frac{1}{4}$ S5 BT.
	A cedar, 4 ins. dia., bears N. 40°45' E., 20 lks. dist marked $\frac{1}{4}$ S32 BT.
51.50	Swale, 20 ft. below the $\frac{1}{4}$ sec. cor., course N.
72.00	Top of descent into ravine, 25 ft. above swale, bears N. and S.
75.50	Ravine, 35 ft. below top of descent, course S.
80.00	On gentle W. slope, 40 ft. above ravine.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 4, 5, 32 and 33, with a brass cap marked
	T13S R25E S32 | S33 S5 | S4 T14S 1919
	From which,
	A pinon, 8 ins. dia., bears N. 81°15' E., 18 lks. dist. marked T13S R25E S33 BT.
	A pinon, 14 ins. dia., bears S. 15°15' E., 7 lks. dist. marked T14S R25E S4 BT.
	A pinon, 8 ins. dia., bears S. 57°30' W., 54 lks. dist. marked T14S R25E S5 BT.
	A pinon, 12 ins. dia., bears N. 50°30' W., 27 lks. dist marked T13S R25E S32 BT.
	Land, broken on W. 16.50 chs., rolling remainder of mile.
	Soil, coarse sandy loam mixed with clay and rock.
	Drainage, S.
	Undergrowth, scattering service, sage and buck brush.
	Timber, dense cedar and pinon.
	Good grazing on all of mile.

NORTH BOUNDARY OF T. 14 S., R. 25 E.

chains	
	From the cor. of secs. 4, 5, 32 and 33.
	S. 89°58' E., bet. secs. 4 and 33.
	Ascend gradually over mountainous land, through scattering undergrowth of sage, service and buck brush and cedar and pinon timber, enter scattering red pine, N. and S.
18.00	Top of descent into ravine, 75 ft. above cor., bears N. 15° W. and S. 15° E.
37.00	Ravine, 330 ft. below top of descent, course SE.
40.00	On gentle NE. slope, 25 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock and 14 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S33 / S4
	1919
	From which,
	A red pine, 12 ins. dia., bears N. 21°15' E., 25 lks, dist., marked ¼ S33 BT.
	A cedar, 6 ins. dia., bears S. 4°15' W., 20 lks. dist., marked ¼ S4 BT.
44.00	Top of abrupt descent into canyon on ledge, 20 ft. high, 20 ft. above the ¼ sec. cor., bears S. 30° E. and N. 30° W.
47.40	Canyon, 100 ft. below top of descent, course S.
64.00	Top of abrupt ascent from canyon, 540 ft. above bottom, bears N. and S., thence over level land,
76.00	Spur, same level as top of ascent from canyon, projects S.
80.00	On steep E. slope, 150 ft. below top of spur.
	Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to solid rock and 20 ins. in a mound of stone, for cor. of secs. 3, 4, 33 and 34, with a brass cap marked
	T13S R25E S33 | S34 S4 | S3 T14S
	1919
	From which,

NORTH BOUNDARY OF T. 14 S., R. 25 E.

chains

A red pine, 10 ins. dia., bears N. 15°45' E., 40 lks. dist., marked T13S R25E S34 BT.

A pinon, 8 ins. dia., bears S. 5°30' E., 52 lks. dist marked T14S R25E S3 BT.

A red pine, 8 ins. dia., bears S. 26°45' W., 40 lks. dist., marked T14S R25E S4 BT.

A red pine, 12 ins. dia., bears N. 59°45' W., 33 lks. dist., marked T13S R25E S33 BT.

Land, mountainous.

Soil, shallow coarse sandy loam mixed with hard clay and rock.

Drainage, S., into Augosi Canyon.

Undergrowth, scattering service, sage and buck brush.

Timber, medium cedar and pinon on all of mile and scattering red pine on E. 52.00 chs.

Good grazing on all of mile.

From the cor, of secs. 3, 4, 33 and 34.

S. 89°58' E., bet. secs. 3 and 34.

Descend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.

10.50 Bottom of Augosi Canyon, 350 ft. below cor., course S. 15

10.75 Road, bears N. 10° E. and S. 10° W., ascend abruptly.

29.20 Top of abrupt ascent on point of spur, 535 ft. above Augosi Canyon, projects S. 70° W., thence over rolling Top of spur.

40.00 On rolling top of spur, same level as point of spur.

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

$$\frac{1}{4}\,\frac{S34}{S3}$$

1919

From which,

A red pine, 16 ins. dia., bears N. 42° E., 32 lks. dist., marked ¼ S34 BT.

NORTH BOUNDARY OF T. 14 S., R. 25 E.

chains	
	A red pine, 8 ins. dia., bears S. 10°30' E., 36 lks. dist., marked ¼ S3 BT.
67.00	Top of abrupt descent into canyon, same level as the ¼ sec. cor., bears N. 60° E. and S. 60° W.
80.00	On steep SE. slope, 240 ft. below top of steep descent. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, with a brass cap marked

T13S R25E
S34 | S35
S3 | S2
T14S

1919

From which,

A pinon, 6 ins. dia., bears N. 44°15' E., 43 lks. dist., marked T13S R25E S35 BT.

A pinon, 6 ins. dia., bears S. 76°30' E., 15 lks. dist., marked T14S R25E S2 BT.

A cedar, 6 ins. dia., bears S. 18°30' W., 21 lks. dist., marked T14S R25E S3 BT.

A pinon, 6 ins. dia., bears N. 24°45' W., 28 lks. dist., marked T13S R25E S34 BT.

Land, mountainous, broken by deep ravines and canyons.
Soil, coarse shallow sandy loam mixed with clay and rock.
Drainage, SW., into Augosi Canyon.
Undergrowth, scattering sage, service and buck brush.
Timber, dense cedar, pinon and red pine.
Good grazing on all of mile.

From the cor. of secs. 2, 3, 34 and 35.
S. 89°58' E., bet. secs. 2 and 35.
Descend abruptly over mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.

2.25	Canyon, 25 ft. below cor., course SW., ascend abruptly.
20.00	Top of ascent from canyon, 245 ft. above canyon, slope SW.

NORTH BOUNDARY OF T. 14 S., R. 25 E.

chains	
22.50	Ravine, 40 ft. below top of ascent; course S. 60° W.
27.00	Top of steep ascent from ravine, 90 ft. above bottom, bears NE. and SW., thence ascend gradually over rolling land entering scattering timber.
40.00	On rolling land, 20 ft. above top of ascent from ravine. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

$$\frac{1}{4}\ \frac{S35}{S2}$$

1919

From which,

A pinon, 6 ins. dia., bears N. 27°15' E., 146 lks. dist marked ¼ S35 BT.

A pinon, 6 ins. dia., bears S. 68° W., 164 lks. dist., marked ¼ S2 BT.

44.85	Old road on top of ridge 45 ft. above the ¼ sec. cor., bears N. and S.
58.00	Top of descent into ravine, bears N. and S., 75 ft. below ridge.
63.90	Ravine, 115 ft. below top of steep descent, course S. 15° enter dense timber, bears N.15°W. and S.15°E.
68.00	Top of ascent from ravine, 80 ft. above bottom, slopes S.; descend.
73.20	Ravine, 90 ft. below top of ascent, course S.
77.50	Top of ascent from ravine, 90 ft. above bottom, slopes S.
80.00	On broken land, 15 ft. below top of ascent. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, with a brass cap marked

T13S R25E

S35	S36
S2	S1

T14S

1919

From which,

A cedar, 6 ins. dia., bears N. 49°15' E., 27 lks. dist., marked T13S R25E S36 BT.

NORTH BOUNDARY OF T. 14 S., R. 25 E.

chains	
	A cedar, 10 ins. dia., bears S. 10°15' E., 27 lks. dist., marked T14S R25E S1 BT.
	A cedar, 12 ins. dia., bears S. 49°45' W., 31 lks. dist., marked T14S R25E S2 BT.
	A red pine, 8 ins. dia., bears N. 27°30' W., 7 lks. dist., marked T13S R25E S35 BT.
	Land, mountainous and broken by deep ravines.
	Soil, shallow coarse sandy loam.
	Drainage, S., into Tent Canyon.
	Undergrowth, scattering service, sage and buck brush.
	Timber, scattering cedar, pinon and red pine.
	Good grazing on all of mile.
	From the cor. of secs. 1, 2, 35 and 36.
	S. 89°58' E., bet. secs. 1 and 36.
	Descend gradually over mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
10.00	Timber becomes more scattering, bears N. and S.; enter dense undergrowth.
12.00	Ravine, 35 ft. below cor., course S. 60° W.; ascend.
23.00	Ridge, 120 ft. above ravine, bears N. and S.; descend.
23.10	Road, bears N. and S.
31.90	Ravine, 120 ft. below ridge, drains N. 30° E.; ascend.
40.00	On top of spur, 70 ft. above ravine, projects N. 30° E.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S36 / S1 / 1919
	From which,
	A pinon, 4 ins. dia., bears S. 32°30' E., 19 lks. dist., marked ¼ S1 BT.
	A oak, 3 ins. dia., bears N. 84°30' W., 15 lks. dist., marked ¼ S36 BT.
53.00	Ravine, 165 ft. below the ¼ sec. cor., course N. 20° E.
65.00	Top of spur, 175 ft. above ravine, projects N. 15° E.

NORTH BOUNDARY OF T. 14 S., R. 25 E.

chains	
75.00	Ravine, 200 ft. below spur, course N. 10° E.
80.00	The cor. of Ts. 13 and 14 S., Rs. 25 and 26 E., heretofore described, 125 ft. above ravine.
	Land, mountainous and broken by deep ravines.
	Soil, shallow, coarse sand mixed with clay and rock.
	Drainage, N. 30° E.
	Undergrowth, dense service, sage and buck brush.
	Timber, dense cedar, pinon and red pine.
	Good grazing on all of mile.

SUBDIVISION OF T. 14 S., R. 25 E.

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

N. 0°01' W., bet. secs. 35 and 36.

Descend abruptly over mountainous land, through dense undergrowth of service and buck brush and dense red pine timber.

4.00	Red pine timber becomes scattering, bears E. and W.
12.85	Bottom of gulch, 360 ft. below cor., course NW.
29.80	Point of spur, 300 ft. above gulch, slopes W.
40.00	On steep NW. slope, 465 ft. below point of spur.

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

¼

S35 | S36

1919

From which,

A red pine, 5 ins. dia., bears N. 88° E., 51 lks, dist., marked ¼ S36 BT.

A red pine, 4 ins. dia., beans N. 1° W., 46 lks. dist., marked ¼ S35 BT.

41.50	Old road, bears E. and W.
41.60	Wire fence, bears E. and W.
42.60	Bottom of canyon, 40 ft. below the ¼ sec. cor., course W.

chains	
48.50	Enter scattering pinon and cedar timber, bears E. and W.
63.50	Top of spur, 480 ft. above canyon, projects W.; thence over level top of spur.
70.00	Top of descent into ravine, bears NE. and SW.
79.25	Head of ravine, 100 ft. below spur, course S. 60° W.
80.00	On steep NE. slope, 20 ft. above ravine.
	Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in the ground to solid rock and 12 ins. in a mound of stone, for cor. of secs. 25, 26, 35 and 36, with a brass cap marked

T14S R25E

S26	S25
S35	S36

1919

From which,

A red pine, 14 ins. dia., bears N. 56°15' E., 78 lks. dist., marked T14S R25E S25 BT,

A red pine, 11 ins. dia., bears S. 39°15' E., 160 lks. dist., marked T14S R25E S36 BT.

A red pine, 6 ins. dia., bears S. 86° W., 84 lks, dist., marked T14S R25E S35 BT.

A pinon, 8 ins. dia., bears N. 82°30' W., 131 lks. dist., marked T14S R25E S26 BT.

Land, rough and mountainous.

Soil, shallow coarse sandy loam, shale and loose rock.

Drainage, NW., into fork of Rat Hole Canyon.

Undergrowth, dense service and buck brush.

Timber, dense and scattering red pine and scattering pinon on portions. of mile.

Good grazing on all of mile.

	East, on random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.08	Intersect the E. bdy. of the township, 10 lks. N. of the cor. of secs. 25, 30, 31 and 36.
	N. 89°56' W., on true line bet. secs. 25 and 36.
	Descend gradually over rolling top of ridge, through

chains

scattering undergrowth of oak and dense service, sage and buck brush.

23.00 Head of ravine, 50 ft. below cor., course S.

30.00 Spur, 50 ft. above ravine, projects S., enter scattering red pine timber, bears N. and S.

38.50 Ravine, 60 ft. below spur, course S.

40.04 On gentle E. slope, 20 ft. above ravine.

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

$$\frac{1}{4}\ \frac{S25}{S36}$$

1919

From which,

A red pine, 12 ins. dia., bears N. 79°30' E., 260 lks. dist., marked ¼ S25 BT.

A red pine, 16 ins. dia., bears S. 41°15' W., 140 lks. dist., marked ¼ S36 BT.

48.00 Top of ascent from ravine, 65 ft. above the ¼ sec. cor., bears SW. and NE., thence over rolling top of ridge.

67.50 Descend over rolling top of ridge, bears S. 15 ° W. and N

80.08 The cor. of secs. 25, 26, 35 and 36, 125 ft. below top of ascent from ravine.

Land, rough and mountainous.

Soil, shallow coarse sandy loam, clay and loose rock.

Drainage, SW., into fork of Rat Hole Canyon.

Undergrowth, scattering oak and dense service, sage and buck brush.

Timber scattering red pine on W. 50.08 chs.

Good grazing on all of mile.

From the cor. of secs. 25, 26, 35 and 36.

N. 0°01' W., bet. secs. 25 and 26.

Ascend over rough mountainous land, through scattering undergrowth of sage, oak and mahogany and dense service and buck brush and scattering red pine timber.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
5.00	Spur, 70 ft. above cor., slopes W.
7.30	Enter dense red pine timber, bears E. and SW.
16.00	Red pine timber becomes scattering, bears E. and W.
21.80	Gulch, 260 ft. below spur, course SW.
32.00	Top of ridge, 260 ft. above gulch, bears E. and W., enter dense sage brush, bears E. and W., thence over rolling top of ridge.
40.00	On rolling top of ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S26 | S25 1919
	From which,
	A red pine, 4 ins. dia., bears N. 17°45' E., 82 lks. dist., marked ¼ S25 BT.
	A red pine, 10 ins. dia., bears N. 18°30' W., 131 lks. dist., marked ¼ S26 BT.
	Thence, descend abruptly over steep slope of ridge, through service and buck brush, bears E. and N. 60° W.
80.00	On N. slope of ridge, 760 ft. below the ¼ sec. cor.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with a brass cap marked
	T14S R25E S23 | S24 S26 | S25 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
	Land, rough and mountainous.
	Soil, shallow, coarse, sandy loam, mixed with clay and loose rock.
	Undergrowth, dense and scattering sage, service, buck, mahogany and oak brush on portions of mile.
	Timber, dense red pine bet. the 7.30 and 16.00 chs. points, scattering remainder of mile: Good grazing on all of mile.

chains

S. 89°56' E., on random line bet. secs. 24 and 25.

40.00 Set temp. ¼ sec. cor.

79.28 Intersect the E. bdy. of the township, 14 lks. S. of the cor. of secs. 23, 24, 25 and 26.

S. 89°58' W., on true line bet. secs. 24 and 25.

Ascend abruptly over mountainous land, through scattering undergrowth of sage, service and buck brush and dense red pine and scattering cedar and pinon timber.

8.50 Top of spur, 205 ft. above cor., projects S.

22.50 Ravine, 415 ft. below spur, course S. 30° W.

33.00 Red pine timber becomes scattering, bears N. and S.

33.50 Top of ascent from ravine, on point of spur, 140 ft. above ravine, slopes S.

39.39 On steep W. slope, 260 ft. below point of spur.

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

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

1919

From which,

A red pine, 6 ins. dia., bears N. 48° E., 182 lks. dist. marked ¼ S24 BT.

A red pine, 6 ins. dia., bears S. 6°30' E., 139 lks. dist., marked ¼ S25 BT.

47.25 Ravine, 200 ft. below the ¼ sec. cor., course S. 15° W.

53.00 Top of ascent on spur sloping S., 160 ft. above ravine.

63.70 Road, bears S. 70° E. and N. 70° W.

69.70 Wash, 50 lks. wide, 10 ft. deep, with stream of good clear water, 4 lks. wide, 3 ins. deep, in bottom of Rat Hole Canyon, 160 ft. below top of ascent on spur, course N. 70

79.28 The cor. of secs. 23, 24, 25 and 26, 65 ft. above Rat Hole canyon.

Land, rough and mountainous.

Soil, shallow sandy loam with loose rock.

Drainage, SW., into Rat Hole Canyon.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	Undergrowth, scattering sage, service and buck brush.
	Timber, scattering cedar and pinon on all of mile, dense red pine on E. 33.00 chs. and scattering red pine on the remainder of mile.
	Good grazing on all of mile.
	From the cor. of secs. 23, 24, 25 and 26.
	N. 0°01' W., bet. secs. 23 and 24.
	Descend gradually over rough mountainous land, through medium undergrowth of sage, service and buck brush.
9.60	Wash, 30 lks. wide, 8 ft. deep, with stream of good clear water, 4 lks. wide, 3 ins. deep, in bottom of Rat Hole Canyon, 110 ft. below cor., course N. 80° W.
10.10	Road, bears N. 80° W. and S. 80° E.
14.00	Enter medium cedar, pinon and red pine timber, bears E. and W.
23.50	Top of ascent from canyon on point of spur sloping W., 325 ft. above canyon.
31.90	Gulch, 265 ft. below point of spur, course S. 75° W.
40.00	On steep NW. slope, 220 ft. above gulch.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S23 | S24 1919
	From which,
	A cedar, 8 ins. dia., bears N. 50°45' E., 35 lks. dist., marked ¼ S24 BT.
	A pinon, 12 ins. dia., bears N. 89° W., 28 lks. dist., marked ¼ S23 BT.
59.50	Enter rolling top of ridge, 470 ft. above the ¼ sec. cor., bears E. and W.
80.00	On rolling top of ridge.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with a brass cap marked

T14S R25E	
S14	S13
S23	S24

1919

From which,

A red pine, 18 ins. dia., bears S. 44°15' E., 536 lks. dist., marked T14S R25E S24 BT.

A red pine, 10 ins. dia., bears S. 31°30' W., 442 lks. dist., marked T14S R25E S23 BT.

A red pine, 10 ins. dia., bears N. 84°30' W., 231 lks. dist., marked T14S R25E S14 BT.

No NE. bearing tree available.

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

Land, rough and mountainous.

Soil, black loam mixed with gravel.

Drainage, SW., into Rat Hole Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, medium cedar, pinon and red pine on N., 66.00 chs.

Good grazing on all of mile.

N. 89°58' E., on random line bet. secs. 13 and 24.

40.00 Set temp. ¼ sec. cor.

79.94 Intersect the E. bdy. of the township, 5 lks. S. of the cor. of secs. 13, 18, 19 and 24.

S. 89°56' W., on true line bet. secs. 13 and 24.

Ascend abruptly over mountainous land, through dense undergrowth of sage, service and buck brush and scatter cedar, pinon and red pine timber.

15.00 Top of abrupt ascent, 165 ft. above cor., bears S. and N thence over rolling top of ridge.

17.20 Road bears SE. and NW.

39.39 On rolling top of ridge.

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

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	$\frac{1/4\ S13}{S24}$ 1919
	From which,
	A red pine, 6 ins. dia., bears N. 42° E., 562 lks, dist., marked ¼ S13 BT.
	A red pine, 6 ins. dia., bears S. 39°15' E., 365 lks. dist., marked ¼ S24 BT.
79.94	The cor. of secs. 13, 14, 23 and 24.
	Land, rolling top of ridge.
	Soil, shallow rich sandy loam.
	Drainage, SW., into Rat Hole Canyon.
	Undergrowth, dense sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine.
	Good grazing on all of mile.
	From the cor. of secs. 13, 14, 23 and 24.
	N. 0°01' W., bet. secs. 13 and 14.
	Over rolling top of ridge, through dense undergrowth of sage, service and buck brush and scattering cedar red pine and pinon timber.
3.70	Old road, bears N. 60° W. and S. 60° E.
0.00	Leave rolling top of ridge, bears N. 30° W. and S. 60° E., thence descend steep NE. slope into ravine.
0.00	On steep NE. slope, 240 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S14 | S13 1919
	From which,
	A red pine, 8 ins. dia., bears S. 51°45' E., 117 lks. dist., marked ¼ S13 BT.
	A red pine, 6 ins. dia., bears S. 1°15' W., 154 lks. dist., marked ¼ S14 BT.
5.00	Cedar and pinon timber becomes dense, bears SE. and NW.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
55.45	Ravine, 370 ft. below the ¼ sec. cor., course N. 10° W
66.00	Top of ascent from ravine, slopes W., 70 ft. above bot leave timber, bears E. and W.
80.00	On steep W. slope, 115 ft. below top of ascent. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 11, 12, 13 and 14, with a b cap marked T14S R25E S11 | S12 S14 | S13 1919 Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of Land, rough and mountainous. Soil, dark sandy loam. Drainage, N. 10° W., into Tent Canyon. Undergrowth, dense sage, service and buck-brush. Timber, scattering cedar, pinon and red pine on S. 45.0 chs., scattering red pine and dense cedar and pinon be the 45.00 chs. and the 66.00 chs. points, none on the remainder of mile. Good grazing on all of mile.
	N. 89°56' E., on random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the E. bdy. of the township, 3 lks. N. of the cor. of secs. 7, 12, 13 and 18. S. 89°57' W., on true line bet. secs. 12 and 13. Descend gradually along top of spur, through dense undergrowth of sage, service and buck brush and scatte red pine timber.
14.00	Top of abrupt descent from spur into Tent Canyon, slopes W., enter scattering cedar and pinon timber.
35.40	Road, bears NW. and SE.
37.75	Wash, 50 lks. wide, 15 ft. deep, in bottom of Tent Canyo 660 ft. below cor., course NW.
40.02	On NE. slope of Tent Canyon, 20 ft. above bottom.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked $\frac{1}{4}\frac{S12}{S13}$ 1919
	From which,
	A red pine, 16 ins. dia., bears S. 40° W., 253 lks. dist., marked ¼ S13 BT.
	A pinon, 10 ins. dia., bears N. 71°30' W., 303 lks. dist., marked ¼ S12 BT.
50.00	Leave timber, bears N. and S.
65.00	Top of ascent from Tent Canyon, sloping W., 375 ft. above the ¼ sec. cor.
80.04	The cor. of secs. 11, 12, 13 and 14, 330 ft. below top of ascent.
	Land, mountainous with steep slopes.
	Soil, dark sandy loam mixed with gravel.
	Drainage, NW., by Tent Canyon.
	Undergrowth, dense sage, service and buck brush.
	Timber, scattering red pine on E. 60.00 chs., scattering cedar and pinon bet. the 14.00 chs. and the 60.00 chs. points, none on remainder of mile.
	Good grazing on all of mile.
	From the cor. of secs. 11, 12, 13 and 14.
	N. 0°01' W., bet. secs. 11 and 12.
	Descend abruptly over mountainous land, through scattering undergrowth of sage, service and buck brush.
5.30	Wash, 30 lks. wide, 8 ft. deep, in bottom of Tent Canyon, 125 ft. below cor., course W.
9.30	Road, bears E. and W.
16.55	Ascend abruptly over small broken sandstone ledges, bears E. and W., enter scattering cedar, pinon and red pine timber, bears E. and W., leave undergrowth, bears E. and W.
37.00	Top of ascent from Tent Canyon, 650 ft. above bottom, bears N. 15° E. and SW., thence over rolling top of spur.

chains

40.00 On rolling top of spur.

Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to solid rock and 8 ins. in a mound of stone, fo ¼ sec. cor., with a brass cap marked

¼

S11 | S12

1919

From which,

A red pine, 8 ins. dia., bears S. 86° E., 24 lks. dist, marked ¼ S12 BT.

A red pine, 8 ins. dia., bears S. 80°45' W., 53 lks. dist., marked ¼ S11 BT.

45.00 Leave timber and enter dense undergrowth of sage, service oak and buck brush, bears NE. and SW.

50.00 Enter scattering red pine timber, bears NE. and SW.

80.00 On rolling top of said spur.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, with a brass cap marked

T14S R25E

S2	S1
S11	S12

1919

From which,

A red pine, 5 ins. dia., bears N. 16°10' E., 429 lks. dist., marked T14S R25E S1 BT.

A red pine, 4 ins. dia., bears S. 78° E., 525 lks. dist., marked T14S R25E S12 BT.

A red pine, 4 ins. dia., bears S. 81° W., 275 lks. dist., marked T14S R25E S11 BT.

A red pine, 5 ins. dia., bears N. 52°30' W., 283 lks. dist., marked T14S R25E S2 BT.

Land, rough and mountainous.

Soil, coarse sandy loam and loose rock.

Drainage, SW., into Tent Canyon.

Undergrowth, dense and scattering sage, service, oak and

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	buck brush on portions of mile.
	Timber, scattering cedar, pinon and red pine on portions of mile.
	Good grazing on all of mile.
	N. 89°57' E., on random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect the E. bdy. of the township, 12 lks. N. of the cor. for secs. 1, 6, 7 and 12.
	N. 89°58' W., on true line bet. secs. 1 and 12.
	Ascend gradually over rolling mountainous land, through dense undergrowth of sage, service and buck brush.
2.00	Top of ascent on ridge, bears N. and S., 15 ft. above cor.
7.80	Road, bears N. and S.
27.00	Top of abrupt descent into ravine, bears N. and S., enter scattering cedar, pinon and red pine timber, bears N. and S.
38.85	Ravine, 230 ft. below ridge, course S.
39.99	On gentle E. slope, 20 ft. above bottom of ravine.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S1 / S12 / 1919
	From which,
	A red pine, 12 ins. dia., bears N. 73° E., 318 lks. dist., marked ¼ S1 BT.
	A cedar, 6 ins. dia., bears S. 57° W., 200 lks. dist., marked ¼ S12 BT.
55.00	Spur, 160 ft. above the ¼ sec. cor., projects S.
65.75	Ravine, 110 ft. below spur, course S.
79.98	The cor. of secs. 1, 2, 11 and 12, 100 ft. above ravine.
	Land, rolling mountains broken by ravines.
	Soil, dark sandy loam mixed with gravel.
	Drainage, S., into Tent Canyon.
	Undergrowth, dense sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine on W. 53.00 chs.
	Good grazing on all of mile.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	North, on random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect the N. bdy. of the township, 5 lks. W. of the cor. of secs. 1, 2, 35 and 36.
	S. 0°02' W., on true line bet. secs. 1 and 2.
	Descend abruptly over mountainous land, through dense undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
4.00	Timber becomes scattering, bears E. and W.
5.70	Ravine, 75 ft. below cor., course S. 60° W., ascend abrup
15.00	Top of abrupt ascent from ravine, bears NE. and SW.
39.94	On gentle NW. slope, 115 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to solid rock and 8 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S2 | S1 1919
	From which,
	A pinon, 6 ins. dia., bears S. 53°30' E., 281 lks. dist., marked ¼ S1 BT.
	A pinon, 8 ins. dia., bears N. 50°30' W., 171 lks. dist., marked ¼ S2 BT.
65.00	Top of spur, 75 ft. above the ¼ sec. cor., projects S75°W.
79.94	The cor. of secs. 1, 2, 11 and 12, 55 ft. below spur.
	Land, rolling mountain tops.
	Soil, sand and hard clay mixed with gravel.
	Drainage, SW., into Tent Canyon.
	Undergrowth, dense sage, service and buck brush.
	Timber, dense cedar, pinon and red pine on N. 4.00 chs., scattering cedar, pinon and red pine on remainder of mile
	Good grazing on all of mile.

From the cor. on the S. bdy. of the township, for secs. 2, 3, 34 and 35, heretofore described.

N. 0°01' W., bet. secs. 34 and 35.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	Ascend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
7.50	Top of ascent on point of spur, 220 ft. above cor., slopes SW., leave timber and undergrowth becomes dense, bears SW. and NE.
15.80	Ravine, 100 ft. below point of spur, course SW.
22.50	Point of spur, 150 ft. above ravine, projects SW., thence ascend gradually from spur to ridge.
40.00	On rolling top of ridge, 40 ft. above spur, bears E. and W. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked

¼

S34 | S35

1919

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

70.00	Enter scattering cedar, pinon and red pine timber, bears E. and W.
72.00	Top of abrupt descent from ridge, bears E. and W.
80.00	On steep N. slope of ridge, 140 ft. below top. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with a brass cap marked

T14S | R25E
S27 | S26
S34 | S35

1919

From which,

A pinon, 8 ins. dia., bears N. 18°30' E., 171 lks. dist., marked T14S R25E S26BT.

A red pine, 8 ins. dia., bears S. 56°30' E., 257 lks. dist., marked T14S R25E S35 BT.

A red pine, 6 ins. dia., bears S. 45°15' W., 148 lks. dist., marked T14S R25E S34 BT.

A red pine, 8 ins. dia., bears N. 17°30' W., 180 lks. dist., marked T14S R25E S27 BT.

chains.

Land, rolling mountain tops.

Soil, dark sandy loam and looseerock.

Drainage, SW.

Undergrowth, scattering sage, service and buck brush on S. 7.50 chs., dense sage, service and buck brush on remainder of mile.

Timber, scattering cedar, pinon and red pine on S. 7.50 ch and N. 10.00 chs., none on remainder of mile.

Good grazing on all of mile.

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

40.00 Set temp. ¼ sec. cor.

80.06 Intersect the N. and S. line, 18 lks. N. of the cor. of secs. 25, 26, 35 and 36.

N. 89°52' W., on true line bet. secs. 26 and 35.

Descend over mountainous land, through dense undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.

33.00 Leave timber, bears NW. and SE.

37.25 Enter bottom of canyon, bears N. 60° W. and S. 60° E., 800 ft. below the sec. cor., net wire fence, bears N. 60° W. and S. 60° E., thence over rolling bottom of canyon.

40.03 On rolling bottom of canyon.

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

$$\frac{1}{4}\ \frac{S26}{S35}$$

1919

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

40.10 Net wire fence, bears N. 60° E. and S. 60° W.

43.50 Leave canyon bottom, bears N. 60° W. and S. 60° E., thence ascend abruptly.

57.00 Top of ascent on side of canyon, 300 ft. above bottom, slopes N.

64.35 Ravine, 290 ft. below top, drains N.15°W.; ascend.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
75.00	Enter scattering cedar, pinon and red pine timber.
80.06	The cor. of secs. 26, 27, 34 and 35, 490 ft. above ravine.
	Land, rough and mountainous.
	Soil, dark sandy loam.
	Drainage, N. 60° W., by fork of Rat Hole Canyon.
	Undergrowth, dense sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine on E., 33.00 chs. and W. 5.06 chs.
	Good grazing on all of mile.
	N. 0°01' W., bet. secs. 26 and 27.
	Descend abruptly over mountainous land, through dense undergrowth of sage, service and buck brush and medium dense cedar, pinon and red pine timber.
20.70	Bottom of canyon, 675 ft. below cor., course N. 60° W.
22.60	Old road, bears N. 60° W. and S. 60° E.
40.00	On steep SW. slope, 330 ft. above bottom of canyon.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S27 | S26 1919
	From which,
	A pinon, 14 ins. dia., bears N. 81° E., 28 lks. dist., marked ¼ S26 BT.
	A pinon, 12 ins. dia., bears S. 74° W., 26 lks. dist., marked ¼ S27 BT.
44.00	Point of spur, 85 ft. above the ¼ sec. cor., slopes W.
53.00	Ravine, 140 ft. below point of spur, course S. 60° W.
66.50	Top of ridge, 400 ft. above ravine, bears E. and W.
80.00	On steep N. slope of ridge, 315 ft. below top.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, with a brass cap marked

chains	
	T14S R25E S22 | S23 S27 | S26 1919
	From which,
	A pinon, 5 ins. dia., bears N. 32°15' E., 14 lks. dist marked T14S R25E S23 BT.
	A pinon, 6 ins. dia., bears S. 26° E., 25 lks. dist., marked T14S R25E S26 BT.
	A pinon, 6 ins. dia., bears S. 83°15' W., 33 lks. dist marked T14S R25E S27 BT.
	A pinon, 5 ins. dia., bears N. 52°15' W., 39 lks. dist marked T14S R25E S22 BT.
	Land, rough and mountainous.
	Soil, sandy loam, shale and loose rock.
	Drainage, N. 60° W., by fork of Rat Hole Canyon.
	Undergrowth, dense sage, service and buck brush.
	Timber, medium dense cedar, pinon, and red pine.
	Good grazing on all of mile.
	S. 89°52' E., on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.14	Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 23, 24, 25 and 26.
	N. 89°49' W., on true line bet. secs. 23 and 26.
	Ascend gradually over mountainous land, through dense undergrowth of sage, service and buck brush.
36.00	Top of ascent, 85 ft. above cor., slopes N. 15° W.
40.07	On rough slope, 100 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked ¼ S23/S26 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor
42.40	Ravine, 35 ft. below the ¼ sec. cor., course N. 15° W., ascend abruptly.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
59.00	Top of ascent from ravine, on point of spur, 400 ft. above ravine, slopes N.
72.50	Ravine, 330 ft. below point of spur, course N., enter scattering cedar, pinon and red pine timber, bears N. and S.
80.14	The cor. of secs. 22, 23, 27 and 26, 220 ft. above ravine.
	Land, rough and mountainous.
	Soil, shallow dark sandy loam, mixed with loose rock.
	Drainage, N., into Rat Hole Canyon.
	Undergrowth, dense sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine on W. 7.64 chs.
	Good grazing on all of mile.
	From the cor, of secs. 22, 23, 26 and 27.
	N. 0°01' W., bet. secs. 22 and 23.
	Descend along slope of ravine, over mountainous land, through dense undergrowth of sage, service and buck brush and medium cedar, pinon and red pine timber.
10.00	Enter scattering timber, bears E. and W.
40.00	On gentle E. slope, 530 ft. below the sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S22 | S23 1919
	From which,
	A red pine, 6 ins. dia., bears S. 41°15' E., 130 lks. dist., marked ¼ S23 BT.
	A cedar, 8 ins. dia., bears S. 73° W., 230 lks. dist., marked ¼ S22 BT.
44.00	Davis' log cabin, bears N. 50°18' E.
51.80	Stream of good clear water, 7 lks. wide, 3 ins. deep, in bottom of Rat Hole Canyon, 135 ft. below the ¼ sec. cor., course W.; leave service berry undergrowth.
55.00	Davis' log cabin, bears S. 75° E.
56.00	Road, bears E. and W.
73.00	Ascend abruptly from bottom of Rat Hole Canyon, bears NW. and SE. Enter dense timber, bears E. and W.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
80.00	On steep SW. slope, 260 ft. above Rat Hole Canyon. Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for cor. of secs. 14, 15, 22 and 23, with a brass cap marked

T14S R25E

S15	S14
S22	S23

1919

From which,

A X BO, marked on a sandstone ledge, bears N. 69° E., 9 lks. dist.,

A pine, 16 ins. dia., bears S. 36°30' E., 56 lks. dist marked T14S R25E S23 BT.

A pine, 10 ins. dia., bears S. 14°15' W., 25 lks. dist marked T14S R25E S22 BT.

A pine, 12 ins. dia., bears N. 14°30' W., 52 lks. dist, marked T14S R25E S15 BT.

Land, rough and mountainous.

Soil, dark, rich, sandy loam, mixed with loose rock.

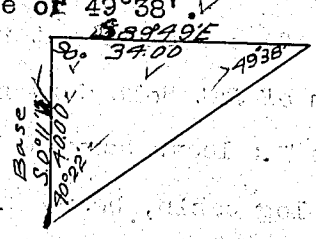
Undergrowth, dense sage, service and buck brush on 51.80 chs.

Timber, scattering cedar, pinon and red pine.

Good grazing on all of mile.

S. 89°49' E., on random line bet. secs. 14 and 23.

Sandstone ledges making it impracticable to chain E., I determine the dist. by triangulation as follows. From the sec. cor., run a base line S. 0°11' W., 40.00 chs. dist. and errect a flag; errect a flag to the E. on rand line on point of rocky spur and from this flag, latter flag, subtends an angle of 49°38'.



Dist. by triangulation on random line = 34.00 chs.

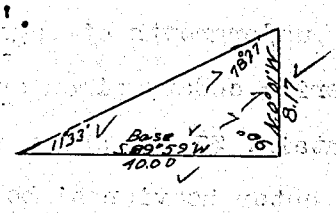
40.00 Set temp ¼ sec. cor.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
80.14	Intersect the N. and S. line, 4 lks. S. of the cor. of secs. 14, 15, 22 and 23.
	N. 89°51' W., on true line bet. secs. 14 and 23.
	Ascend gradually over rolling top of mountain, through dense undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
30.00	Top of mountain, 35 ft. above cor., bears S. 30° E. and N. 30° W.; enter heavier timber and scattering undergrowth.
39.00	Ravine, 175 ft. below top of mountain, course SW.
40.07	On rough SE. slope, 10 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S14 / S23 1919
	From which,
	A red pine, 14 ins. dia., bears N. 67° E., 59 lks. dist., marked ¼ S14 BT.
	A red pine, 12 ins. dia., bears S. 82° E., 139 lks. dist., marked ¼ S23 BT.
46.14	To point of triangulation, on top of rocky spur, 150 ft. above the ¼ sec. cor., projects S., thence over broken sandstone ledges by triangulation to sec. cor.
80.14	The cor. of secs. 14, 15, 22 and 23, 800 ft. below spur.
	Land, on W. 50.00 chs., broken by deep gulches and sandstone ledges, rolling mountain top remainder of mile.
	Soil, dark sandy loam, mixed with gravel.
	Drainage, SW., into Rat Hole Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine.
	Good grazing on all of mile.
	From the cor. of secs. 14, 15, 22 and 23.
	N. 0°01' W., bet. secs. 14 and 15.
	Abrupt ascent over sandstone ledges makes chaining

chains impracticable

impracticable, I therefore determine the dist. by trian ulation as follows: Set a flag on top of spur to the N. and from the sec. cor., run a base line, S. 89°59' W., 40.00 chs. dist.; from this point, flag on line subtend an angle of 11°33'.



Dist. by triangulation = 8.17 chs.

8.17 To point of triangulation on top of spur, 460 ft. above sec. cor., projects N. 80° W.

24.20 Ravine, 660 ft. below spur, course W.

34.00 Top of abrupt ascent from ravine, 220 ft. above bottom, slopes W.

37.24 Spring of good clear water, bears N. 71°05' W.

Spring of good clear water in wash, bears N. 21°42' W.

40.00 On steep NW. slope, 125 ft. below top of ascent.

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

¼

S15 | S14

1919

From which,

A red pine, 6 ins. dia., bears N. 49°15' E., 11 lks. dist., marked ¼ S14 BT.

A red pine, 6 ins. dia., bears N. 40°30' W., 11 lks. dist., marked ¼ S15 BT.

50.00 Spring of good clear water, bears S. 75° W.

Spring of good clear water in wash, bears N. 72°10' W.

55.00 Bottom of Tent Canyon, 200 ft. below the ¼ sec. cor., course S. 60° W., leave timber, bears N. 30° E. and S. 30° W., thence over rolling bottom of canyon.

59.25 Road, bears N. 60° E. and S. 60° W.

66.00 Wash, 60 lks. wide, 12 ft. deep, course S. 60° W.

72.00 Enter scattering cedar, pinon and red pine timber, bears NE. and SW.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
80.00	On rough SE. slope, 75 ft. above bottom of canyon. Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to solid rock and 20 ins. in a mound of stone, for cor. of secs. 10, 11, 14 and 15, with a brass cap nailed marked

T14S R25E

S10	S11
S15	S14

1919

From which,

A red pine, 10 ins. dia., bears N. 39°15' E., 15 lks. dist., marked T14S R25E S11 BT.

A red pine, 12 ins. dia., bears S.,27°45' E., 19 lks. dist., marked T14S R25E S14 BT.

A pinon, 10 ins. dia., bears S. 23°30' W., 48 lks. dist., marked T14S R25E S15 BT.

A red pine, 16 ins. dia., bears N. 27°15' W., 79 lks. dist., marked T14S R25E S10 BT.

Land, rough and mountainous.

Soil, sandy loam, shale and clay.

Drainage, W., into Tent Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, scattering cedar, pinon and red pine except bet. the 55.00 chs. and the 72.00 chs. points.

Good grazing on all of mile.

	S. 89°51' E., on random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 11, 12, 13 and 14.
	N. 89°48' W., on true line bet. secs. 11 and 14.
	Descend abruptly over mountainous land, through dense undergrowth of sage, service and buck brush.
7.00	Ravine, 120 ft. below sec. cor., course N. 10° W.
14.00	Enter scattering cedar, pinon and red pine timber, bears bears N. and S.

chains

40.08 On steep N. slope, 200 ft. above ravine.

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

$$\frac{1}{4}\ \frac{S11}{S14}$$

1919

From which,

A red pine, 6 ins. dia., bears S. 15°30' E., 62 lks. dist., marked ¼ S14 BT.

A red pine, 6 ins. dia., bears N. 52° W., 41 lks. dist., marked ¼ S11 BT

53.00 Top of ascent from ravine, 50 ft. above the ¼ sec. cor., slopes N.

64.00 Leave timber, bears N. and S.

68.20 Wash, 50 lks. wide, 8 ft. deep, in bottom of Tent Canyon 300 ft. below top of ascent, course S. 30° W., road in wash, bears with wabh.; enter scattering undergrowth.

76.50 Enter scattering cedar, pinon and red pine timber, bears N. and S.

80.16 The cor. of secs. 10, 11, 14 and 15, 75 ft. above Tent Ca

Land, rough and mountainous.

Soil, shallow dark sandy loam, mixed wibh loose rock.

Drainage, S. 30° W., by Tent Canyon.

Undergrowth, [illegible] sage, service and buck brush.

Timber, scattering cedar, pinon and red pine on E. 64.00 chs. and W. 3.60 chs.

Good grazing on all of mile.

From the cor. of secs. 10, 11, 14 and 15.

N. 0°01' W., bet. secs. 10 and 11.

Ascend abruptly over mountainous land broken by sandstone ledges, through scattering undergrowth of sage, service and buck brush and [illegible] cedar, pinon and red pine timber.

31.00 Top of abrupt ascent, 800 ft. above sec. cor., bears N. 10° E. and S. 10° W., thence over rolling top of ridg

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	Enter dense undergrowth and scattering timber, bears with ridge.
40.00	On rolling top of ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S10 | S11 1912
	From which,
	A red pine, 12 ins. dia., bears S. 52°15' E., 31 lks. dist., marked ¼ S11 BT.
	A red pine, 12 ins. dia., bears S., 69°15' W., 113 lks. dist., marked ¼ S10 BT.
80.00	On rolling top of ridge.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with a brass cap marked
	T14S R25E S3 | S2 S10 | S11 1912
	From which,
	A red pine, 5 ins. dia., bears N. 84°45' E., 190 lks. dist., marked T14S R25E S2 BT.
	A red pine, 8 ins. dia., bears S. 17°30' E., 376 lks. dist., marked T14S R25E S11 BT.
	A pinon, 6 ins. dia., bears S. 77°45' W., 447 lks. dist., marked T14S R25E S10 BT.
	A red pine, 6 ins. dia., bears N. 73°30' W., 630 lks. dist., marked T14S R25E S3 BT.
	Land, broken on S. 31.00 chs., rolling remainder of mile.
	Soil, dark sandy loam, mixed with loose rock.
	Undergrowth, scattering sage, service and buck brush; dense on N. 49.00 chs.
	Timber, scattering cedar, pinon and red pine.
	Good grazing on all of mile.
	S. 89°48' W., on random line bet. secs. 2 and 11.
39.75	Set temp. witness ¼ sec. cor:

chains

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

N. 89°50' W., on true line bet. secs. 2 and 11.

Ascend gradually over mountainous land, through dense undergrowth of sage, service and buck brush ans scatter cedar, pinon and red pine timber.

5.00 Top of ridge, 45 ft. above cor., bears N. and S.; descer gradually.

30.00 Top of abrupt descent, 90 ft. below ridge, bears N. and enter dense timber and scattering undergrowth.

40.03 True point for the ¼ sec. cor., falls in a water course, drains SW., no cor. set.

40.31 On steep W. slope, 250 ft. below top of abrupt descent.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the ¼ sec. cor. for secs. 2 and 11, with a brass cap marked

S2 / S11 W C ¼

1919

From which,

A red pine, 10 ins. dia., bears S. 10°15' W., 15 lks. dist., marked WC ¼ S11 BT.

A red pine, 12 ins. dia., bears N. 10° W., 32 lks. dist., marked WC ¼ S2 BT.

50.00 Ravine, 170 ft. below the witness ¼ sec. cor., course S.

62.00 Top of abrupt ascent from ravine, 420 ft. above bottom, bears N. and S., thence over rolling land, entering scat ering timber and dense undergrowth.

80.05 The cor. of secs. 2, 3, 10 and 11.

Land, rolling on W. 18.05 chs., broken and mountainous remainder of mile.

Soil, dark sandy loam, mixed with loose rock.

Undergrowth, scattering and dense sage, service and buck brush.

Timber, scattering cedar, pinon and red pine.

Good grazing on all of mile.

N. 0°02' E., on random line bet. secs. 2 and 3.

40.00 Set temp. ¼ sec. cor.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
79.88	Intersect the N. bdy. of the township, at the cor. of secs. 2, 3, 34 and 35.
	S. 0°02' W., on true line bet. secs. 2 and 3.
	Descend gradually over mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
1.20	Bottom of canyon, 40 ft. below cor., course SW.; ascend abruptly.
20.00	Top of abrupt ascent from canyon, 275 ft. above bottom, bears NE. and SW., thence over rolling land, entering dense undergrowth and scattering timber.
39.88	On rolling land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S3 | S2 1919
	From which,
	A red pine, 8 ins. dia., bears N. 30°30' E., 80 lks. dist., marked ¼ S2 BT.
	A pinon, 6 ins. dia., bears S. 65°15' W., 108 lks. dist., marked ¼ S3 BT.
79.00	Old road, bears NE. and SW.
79.88	The cor. of secs. 2, 3, 10 and 11.
	Land, broken on N. 20.00 chs., rolling remainder of mile.
	Soil, dark sandy loam, mixed with loose rock.
	Drainage, SW., into Tent Canyon.
	Undergrowth, dense sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine.
	Good grazing on all of mile.
	From the cor. on the S. bdy. of the township, for secs. 3, 4, 33 and 34, heretofore described.
	N. 0°02' W., bet secs. 33 and 34.
	Ascend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	and medium cedar, pinon and red pine timber.
15.00	Top of steep ascent, 115 ft. above cor., slopes W.; des
23.00	Canyon, 130 ft. below top of ascent, course SW.
40.00	On top of spur, 455 ft. above canyon, projects SW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S33 | S34 1919
	From which,
	A pinon, 6 ins. dia., bears N. 41°45' E., 523 lks. dist., marked ¼ S34 BT.
	A pinon, 6 ins. dia., bears S. 15° W., 137 lks, dist., marked ¼ S33 BT.
43.00	Leave timber; bears E. and W.; enter dense service berry undergrowth, bears NE. and SW.
53.90	Ravine, 170 ft. below the ¼ sec. cor., course SW., enter scattering cedar, pinon and red pine timber, bears NE. and SW.
71.00	Top of mountain, 330 ft. above ravine, bears NE. and SW.
80.00	On rolling land, near top of mountain.
	Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in th ground to solid rock and 14 ins. in a mound of stone, for cor. of secs. 27, 28, 33 and 34, with a brass cap marked
	T14S R25E S28 | S27 S33 | S34 1919
	From which,
	A pinon, 6 ins. dia., bears N. 40°15' E., 25 lks. dist. marked T14S R25E S27 BT.
	A pinon, 8 ins. dia., bears S. 17°45' E., 5 lks. dist., marked T14S R25E S34 BT.
	A pinon, 6 ins. dia., bears S. 22°15' W., 37 lks. dist. marked T14S R25E S33 BT.
	A pinon, 8 ins. dia., bears N. 40° W., 81 lks. dist., marked T14S R25E S28 BT.

chains

Land, rough and mountainous.

Soil, sandy loam, shale and loose rock.

Undergrowth, scattering sage, service and buck brush.

Drainage, SW., into Bitter Creek.

Timber, scattering cedar, pinon and red pine on S. 43.00 chs. and the N. 26.10 chs.

Good grazing on all of mile.

East., on random line bet. secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

80.10 Intersect the N. and S. line, 21 lks. N. of the cor. of secs. 26, 27, 34 and 35.

N. 89°51' W., on true line bet. secs. 27 and 34.

Ascend gradually over mountainous land, through dense undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.

2.00 Top of ascent, 20 ft. above cor., slopes N., descend abruptly.

18.00 Ravine, 500 ft. below top of ascent, course N. 20° W.

40.05 On top of ridge, 640 ft. above ravine, bears SE. and NW.

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

¼ S27 / S34 / 1919

From which,

A pinon, 8 ins. dia., bears S. 40°30' W., 26 lks. dist., marked ¼ S34 BT.
A pinon, 6 ins. dia., bears N. 34°45' W., 46 lks. dist., marked ¼ S27 BT.

65.00 Head of ravine, 45 ft. below the ¼ sec. cor., course N. 15° W.

80.10 The cor. of secs. 27, 28, 33 and 34, same level as head of ravine.

Land, broken on E. half mile, rolling on W. half mile.

Soil, shallow sandy loam and loose rock.

Drainage, NW., into fork of Rat Hole Canyon.

Undergrowth, dense sage, service and buck brush.

Timber, scattering cedar, pinon and red pine. Good grazing.

chains	
	From the cor. of secs. 27, 28, 33 and 34.
	N. 0°02' W., bet. secs. 27 and 28.
	Over rolling mountainous land, through under growth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
5.00	Head of ravine, same level as sec. cor., course SW.
23.00	Top of abrupt descent into canyon, bears NW. and SE., l timber, bears N. 60° W. and S. 80° E.
31.50	Enter scattering pinon and red pine timber, bears E. an
40.00	On steep NE. slope, 370 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in th ground, for ¼ sec. cor., with a brass cap marked
	¼ S28 | S27 1919
	From which,
	A red pine, 6 ins. dia., bears S. 70°45' E., 30 lks. dist., marked ¼ S27 BT.
	A red pine, 6 ins. dia., bears S. 61°45' W., 8 lks. dist., marked ¼ S28 BT.
58.00	Leave timber, bears SW. and E.
76.00	Leave service and buck brush undergrowth and enter dense sagebrush undergrowth, bears N. 60° W. and S. 60° E., thence over rolling bottom of canyon, course N. 60° W.
80.00	On rolling bottom of canyon, 660 ft. below the ¼ sec. c o
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in th ground, for cor. of secs. 21, 22, 27 and 28, with a bra cap marked
	T14S R25E S21 | S22 S28 | S27 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of c
	Land, rough and mountainous.
	Soil, shallow sandy loam and loose rock.
	Drainage, N. 60° W., by fork of Rat Hole Canyon.

chains	
	Undergrowth, dense sage, service and buck brush on S. 76.00 chs., dense sagebrush on remainder of mile.
	Timber, scattering cedar, pinon and red pine on portions of mile.
	Good grazing on all of mile.
	S. 89°51' E., on random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect the N. and S. line; 5 lks. S. of the cor. of secs. 22, 23, 26 and 27.
	N. 89°53' W., on true line bet. secs. 22 and 27.
	Ascend gradually over mountainous land, through scattering undergrowth of sage, service and buck brush and cedar, pinon and red pine timber.
3.10	Low pass, 75 ft. above cor., bears SE. and NW.
20.00	Ravine, 460 ft. below pass, course S. 15° W.
33.30	Spur, 100 ft. above ravine, projects S., descend.
40.06	On W. slope of spur, 110 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S22 / S27 1919
	From which,
	A pinon, 8 ins. dia., bears N. 56°30' E., 19 lks. dist., marked ¼ S22 BT.
	A pinon, 8 ins. dia., bears S. 3°15' E., 38 lks. dist., marked ¼ S27 BT.
65.10	Bottom of rapt descent into canyon, bears N. 60° W. and S. 60° E., leave timber, bears N. 60° W. and S. 60° E., thence descend gradually along bottom of canyon.
67.60	Wash, 25 lks. wide, 12 ft. deep, course N. 60° W.
71.10	Wash, 25 lks. wide, 8 ft. deep, course N. 60° W.
76.30	Old road, bears S. 60° E. and N. 60° W.
80.12	The cor. of secs. 21, 22, 27 and 28, 445 ft. below the ¼ sec. cor.

chains	
	Land, rough and mountainous.
	Soil, shallow sandy loam, mixed with loose rock.
	Drainage, N. 60° W., by fork of Rat Hole Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, [illegible] cedar, pinon and red pine on E., 65.1 chs., none on remainder of mile.
	Good grazing on all of mile.
	From the cor. of secs. 21, 22, 27 and 28.
	N. 0°02' W., bet. secs. 21 and 22.
	Over rolling bottom of canyon, through dense undergrowth of sagebrush.
2.10	Old road, bears N. 60° W. and S. 60° E.
3.70	Wash, 25 lks. wide, 1 ft. deep, course N. 60° W.
15.00	Leave bottom of canyon, bears N. 60° W. and S. 60° E., and ascend abrupt SW. slope; leave dense undergrowth of sagebrush and enter scattering undergrowth of sage, serv and buck brush and [illegible] cedar, pinon and red pine timber.
26.00	Small spring of good clear water, bears W., 25 lks. dist.
39.00	Top of ascent from canyon, slopes W., 150 ft. above sec. cor.
40.00	On gentle NW. slope, 20 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S21 | S22 1919
	From which,
	A cedar, 8 ins. dia., bears S. 57°15' E., 82 lks, dist., marked ¼ S22 BT.
	A cedar, 8 ins. dia., bears N. 57° W., 101 lks. dist., marked ¼ S21 BT.
59.30	Stream of good clear water, 8 lks. wide, 4 ins. deep, in bottom of Rat Hole Canyon, 200 ft. below the ¼ sec. cor., course S. 60° W., thence over rolling bottom of canyon. Leave service brush and timber, enter sagebrush, bears E. and W.

chains

63.10 Road, bears N. 60° E. and S. 60° W.

70.00 Leave bottom of canyon and ascend abruptly, bears N. 60° E. and S. 60° W.; enter timber.

80.00 On steep SE. slope, 250 ft. above canyon.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, with a brass cap marked

T14S R25E

S16	S15
S21	S22

1919

From which,

A cedar, 12 ins. dia., bears N. 76°15' E., 62 lks. dist., marked T14S R25E S15 BT.

A pine, 16 ins. dia., bears S. 13°15' E., 60 lks. dist., marked T14S R25E S22 BT.

A pinon, 6 ins. dia., bears S. 74° W., 25 lks. dist., marked T14S R25E S21 BT.

A cedar, 6 ins. dia., bears N. 78°45' W., 22 lks. dist., marked T14S R25E S16 BT.

Land, rough and mountainous.

Soil, shallow sandy loam and loose rock.

Drainage, S. 60° W., by Rat Hole Canyon.

Undergrowth, scattering sage, service and buck brush on N. 65.00 chs., dense sagebrush on S. 15.00 chs.

Timber, scattering cedar, pinon and red pine on N. 65.00 chs., none on remainder of mile.

Good grazing on all of mile.

S. 89°53' E., on random line bet. secs. 15 and 22.

40.00 Set temp. ¼ sec. cor.

80.04 Intersect the N. and S. line, 2 lks. S. of the cor. of secs. 14, 15, 22 and 23.

N. 89°54' W., on true line bet. secs. 15 and 22.

Descend abruptly over mountainous land, through scattering undergrowth of sage, service and buck brush and

chains

cedar, pinon and red pine timber.

18.00 Enter dense sagebrush and leave scattering sage, service and buck brush, bears NW. and SE.

20.00 Enter bottom of Rat Hole Canyon, 400 ft. below sec. cor., bears NW. and SE., thence over rolling bottom of canyon.

23.50 Road, bears NW. and SE, leave timber, bears NW. and SE.

23.80 Net wire fence, bears NW. and SE.

27.20 Pole fence, bears S. 15° W. and N. 15° E.

40.02 On rolling bottom of canyon, 45 ft. below point of enteri canyon.

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

$$\frac{1}{4}\ \frac{S15}{S22}$$

1919

Dig pits, 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist

41.74 Net wire fence, bears NE. and SW.

43.80 Stream of good clear water, 5 lks. wide, 3 ins. deep, in bottom of Rat Hole Canyon, 45 ft. below the ¼ sec. cor., course S. 15° W.

48.15 Road, bears NE. and SW.

57.00 Leave bottom of Rat Hole Canyon, bears NE. and SW.; ascen

63.00 Leave dense sagebrush undergrowth and enter scattering undergrowth of sage, service and buck brush and scatteri cedar, pinon and red pine timber.

80.04 The cor. of secs. 15, 16, 21 and 22, 175 ft. above canyon

Land, W. 23.00 chs. and E. 20.00 chs., broken and mountai rolling bottom of canyon on remainder of mile.

Soil, shallow sandy loam and loose rock.

Drainage, S. 15° W., by Rat Hole Canyon.

Undergrowth, W. 17.04 chs. and E. 18.00 chs., scattering sage, service and buck brush; dense sagebrush on remaind of mile.

Timber, scattering cedar, pinon and red pine on W. 17.04 c and E. 23.50 chs., none remainder of mile.

Good grazing on all of mile

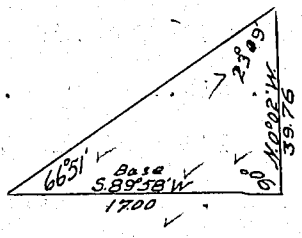
SUBDIVISION OF T. 14 S., R. 25 E.

chains

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

N. 0°02' W., bet. secs. 15 and 16.

Ascend through scattering undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber, over broken sandstone ledges which are impracticable to chain over: To determine the dist., I triangulate as follows. Not being able from the sec. cor., to see a flag at top of ledges on line to the N., I return S. 0°02' E., 18.82 chs. dist. and errect a flag on top of ledges to the N. From the 18.82 chs. point, I run a base line, S. 89°58' W., 17.00 chs. dist.; from this point flag at top of ledges subtends an angle of 66°51'.



Dist. by triangulation = 39.76 chs.
18.82
20.94 chs.

20.94 To point of triangulation at top of sandstone ledges, bears N. 60° W. and S. 60° E.

22.00 Top of ascent from Rat Hole Canyon, bears N. 60° W. and S S. 60° E., 765 ft. above sec. cor., thence over rolling mountainous land through service, oak, buck and sagebrush undergrowth and cedar, pinon and red pine timber.

40.00 On rolling mountainous land.

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

¼

S16 | S15

1919

From which,

A pinon, 4 ins. dia., bears N. 79° E., 180 lks. dist., marked ¼ S15 BT.

A pinon, 8 ins. dia., bears S. 55°30' W., 273 lks. dist., marked ¼ S16 BT.

72.00 Leave rolling land and descend abruptly, bears NW. and SE.

chains

80.00 On steep NE. slope, 85 ft. below top of ascent.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in th ground, for cor. of secs. 9, 10, 15 and 16, with a bras cap marked

T14S R25E	
S9	S10
S16	S15

1919

From which,

A red pine, 12 ins. dia., bears N. 27°45' E., 26 lks. dist., marked T14S R25E S10 BT.

A red pine, 12 ins. dia., bears S. 84° E., 41 lks. dist., marked T14S R25E S15 BT.

A pinon, 8 ins. dia., bears S. 55°30' W., 67 lks. dist., marked T14S R25E S16 BT.

A red pine, 4 ins. dia., bears N. 41°45' W., 48 lks. dist., marked T14S R25E S9 BT.

Land, S. 22.00 chs. and N. 8.00 chs., rough and mountainc rolling mountain tops on remainder of mile.

Soil, sandstone ledges on S. 22.00 chs., shallow sandy loam and loose rock of remainder of mile.

Drainage, NW., into Augosi Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, scattering cedar, pinon and red pine.

Good grazing on all of mile.

S. 89°54' E., on random line bet. secs. 10 and 15.

40.00 Set temp. ¼ sec. cor.

80.10 Intersect the N. and S. line, 18 lks. S. of the cor. of secs. 10, 11 14 and 15.

S. 89°58' W., on true line bet. secs. 10 and 15.

Ascend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber,

15.20 Top of abrupt ascent, 150 ft. above cor., bears N. and S.

20.20 Timber becomes scattering, bears N. and S.; enter service, oak and buck brush undergrowth.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
40.08	On rolling land, 45 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S10 / S15 1919
	From which,
	A cedar, 4 ins. dia., bears N. 27°15' E., 79 lks. dist., marked ¼ S10 BT.
	A cedar, 4 ins. dia., bears S. 34°15' E., 188 lks. dist., marked ¼ S15 BT.
60.10	Top of abrupt descent into ravine, 40 ft. below the ¼ sec. cor., bears N. and S.
70.20	Ravine, 70 ft. below top of abrupt descent, course N. 30° W.
74.20	Spur, 40 ft. above ravine, projects N.
78.60	Ravine, 70 ft. below spur, course N.
80.16	The cor. of secs. 9, 10, 15 and 16, 30 ft. above ravine.
	Land, rough and mountainous.
	Soil, shallow sandy loam, mixed with loose rock.
	Drainage, NW., into Augosi Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, dense cedar, pinon and red pine on E. 20.20 chs., scattering cedar, pinon and red pine on remainder of mile.
	Good grazing on all of mile.
	From the cor. of secs. 9, 10, 15, and 16.
	N. 0°02' W., bet. secs. 9 and 10.
	Descend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and [illegible] cedar, pinon and red pine timber.
16.00	Bottom of ravine, 400 ft. below sec. cor., course N. 5° W.; continue descent alongside of ravine.
20.75	Bottom of canyon, 30 ft. below ravine, course W.
39.00	Top of spur, 430 ft. above canyon, projects W.
40.00	On steep N. slope of spur, 20 ft. below top.

chains

Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to solid rock and 18 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼
S9 | S10
1919

From which,

A red pine, 10 ins. dia., bears N. 86°30' E., 14 lks. dist., marked ¼ S10 BT.

A red pine, 10 ins. dia., bears S. 52°30' W., 39 lks. dist., marked ¼ S9 BT.

46.00 Ravine, 175 ft. below the ¼ sec. cor., course S. 75° W.

51.50 Point of spur, 115 ft. above ravine, slopes W.

64.65 Bottom of canyon, 350 ft. below spur, course S. 75° W.

77.00 Top of abrupt ascent from canyon, 420 ft. above bottom, bearseE. and W., thence over rolling top of mountain.

80.00 On rolling top of mountain.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, with a brass cap marked

T14S R25E
S4 | S3
S9 | S10
1919

From which,

A pinon, 5 ins. dia., bears N. 22°15' E., 38 lks. dist., marked T14S R25E S3 BT.

A pinon, 10 ins. dia., bears S. 32° E., 33 lks. dist., marked T14S R25E S10 BT.

A cedar, 8 ins. dia., bears S. 63°15' W., 65 lks. dist., marked T14S R25E S9 BT.

A cedar, 7 ins. dia., bears N. 28° W., 46 lks. dist., marked T14S R25E S4 BT.

Land, rough and mountainous.

Soil, shallow sandy loam and loose rock.

Drainage, W., into Augosi Canyon.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	Undergrowth, scattering sage, service and buck brush.
	Timber, [illegible] cedar, pinon and red pine.
	Good grazing on all of mile.
	N. 89°58' E., on random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.14	Intersect the N. and S. line, 18 lks. S. of the cor. of secs. 2, 3, 10 and 11.
	S. 89°50' W., on true line bet. secs. 3 and 10.
	Descend gradually over rolling mountainous land, through dense [illegible] undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
1.00	Old road, bears N. 30° E. and S. 30° W.
39.00	Top of descent into ravine, bears N. 70° E. and S. 70° W.
40.07	On gentle SE. slope, 45 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S3 / S10 1919
	From which,
	A pinon, 5 ins. dia., bears N. 28°15' E., 41 lks. dist., marked ¼ S3 BT.
	A red pine, 10 ins. dia., bears S. 6°45' W., 66 lks. dist., marked ¼ S10 BT.
45.00	Enter dense timber, bears N. and S.
50.65	Ravine, 125 ft. below the ¼ sec. cor., course SW.
60.00	Top of ascent from ravine, 100 ft. above bottom, bears N. 80° E. and S. 80° W., thence over rolling land.
80.14	The cor. of secs. 3, 4, 9 and 10.
	Land, rough and mountainous.
	Soil, shallow sandy loam and loose rock.
	Drainage, SW., into Augosi Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine, on E. 44.00 chs.; dense on balance of mile.
	Good grazing on all of mile.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	N. 0°02' E., on random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the N. bdy of the township, 9 lks. W. of the c of secs. 3, 4, 33 and 34.
	S. 0°06' W., on true line bet. secs. 3 and 4.
	Descend abruptly over mountainous land, through dense undergrowth of sage, service and buck brush and scatter cedar, pinon and red pine timber.
29.25	Road, bears N. 15° E. and S. 15° W.
30.00	Wash, 25 lks. wide, 3 ft. deep, in bottom of Augosi Cany 520 ft. below the sec. cor., course S. 15° W.
33.10	Wash, 25 lks. wide, 3 ft. deep, course S. 60° W.
40.06	On steep NW. slope, 140 ft. above bottom of canyon.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S4 | S3 1919
	From which,
	A pinon, 6 ins. dia., bears N. 74°15' E., 76 lks. dist. marked ¼ S3 BT.
	A red pine, 8 ins. dia., bears N. 86°45' W., 36 lks. di marked ¼ S4 BT.
44.00	Enter dense timber, bears E. and W.
56.00	Top of abrupt ascent from canyon, 525 ft. above the ¼ sec cor., bears N. 75° E. and S. 75° W., thence over rollin land through scattering timber and dense undergrowth,
80.06	The cor. of secs. 3, 4, 9 and 10.
	Land, rough and mountainous.
	Soil, shallow sandy loam and loose rock.
	Drainage, S. 15° W., by Augosi Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine, on N. 44.00 chs.; dense on next 12.00 chs.; scattering on balance.
	Good grazing on all of mile.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	From the cor. on the S. bdy. of the township, for secs. 4, 5, 32 and 33, heretofore described.
	N. 0°03' W., bet. secs. 32 and 33.
	Descend abruptly over steep NW slope, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
19.50	Bottom of canyon, 550 ft. below cor., course S. 60° W.; ascend abruptly.
40.00	On Steep SE. slope, 400 ft. above the canyon.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S32 | S33 1919
	From which,
	A red pine, 6 ins. dia., bears N. 14°45' E., 70 lks. dist., marked ¼ S33 BT.
	A cedar, 6 ins. dia., bears N. 1° W., 38 lks. dist., marked ¼ S32 BT.
48.00	Top of spur, 270 ft. above the ¼ sec. cor., projects S. 60° W., thence over rolling top of spur.
59.00	Top of abrupt descent from spur, bears NE. and SW.
67.75	Ravine, 300 ft. below top of spur, course SW.
75.60	Point of spur, 215 ft. above ravine, slopes S. 75° W.
80.00	On steep NW. slope of spur, 150 ft. below top.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with a brass cap marked
	T14S R25E S29 | S28 S32 | S33 1919
	From which,
	A red pine, 16 ins. dia., bears N. 14°30' E., 28 lks. dist., marked T14S R25E S28 BT.
	A red pine, 6 ins. dia., bears S. 30° E., 31 lks. dist., marked T14S R25E S33 BT.

chains	
	A red pine, 10 ins. dia., bears S. 27°30' W., 16 lks. dist., marked T14S R25E S32 BT.
	A red pine, 8 ins. dia., bears N. 35°45' W., 29 lks. dist., marked T14S R25E S29 BT.
	Land, rough and mountainous with steep slopes.
	Soil, coarse sandy loam, clay and loose rock.
	Drainage, SW., into Bitter Creek.
	Undergrowth, scattering sage, service and buck brush.
	Timber, dense cedar, pinon and red pine.
	Good grazing on all of mile.
	East, on random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the N. and S. line, 14 lks. S. of the cor. of secs. 27, 28, 33 and 34.
	S. 89°54' W., on true line bet. secs. 28 and 33.
	Over rolling mountainous land, through dense undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
2.50	Top of descent into ravine, bears NE. and SW.
8.40	Ravine, 70 ft. below the sec. cor., course S. 30° W.
15.00	Spur, 35 ft. above ravine, projects S. 30° W.
30.00	Cedar, pinon and red pine timber becomes dense, bears NW. and SE.
40.03	On gentle SW. slope, 130 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground to solid rock and 10 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S28/S33
	1919
	From which,
	A red pine, 24 ins. dia., bears N. 31°45' W., 49 lks. dist., marked ¼ S28 BT.
	A cedar, 8 ins. dia., bears S. 32°30' W., 13 lks. dist., marked ¼ S33 BT.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
43.25	Head of canyon, 35 ft. below the ¼ sec. cor., course S.
48.00	Top of ascent from head of canyon, 30 ft. above, bearse N. and S., thence along level line alongside of spur sloping S.
64.00	Top of descent over spur, projecting S. 60° W.
80.06	The cor. of secs. 28, 29, 32 and 33, 450 ft. below spur.
	Land, rough and mountainous.
	Soil, dark sandy loam, clay and loose rock.
	Undergrowth, scattering sage, service and buck brush.
	Drainage, SW., into Bitter Creek.
	Timber, Scattering cedar, pinon and red pine on E. 30.00 chs., dense cedar, pinon and red pine on remainder of mile.
	Good grazing on all of mile.

From the cor. of secs. 28, 29, 32 and 33.

N. 0°03' W., bet. secs. 28 and 29.

Descend gradually over mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.

.30	Ravine, 10 ft. below cor., course N. 85° W.
10.00	Point of spur, 225 ft. above ravine, slopes W.
25.75	Bottom of canyon, 360 ft. below point of spur, course SW.
40.00	On steep SE. slope, 500 ft. above canyon.

Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to solid rock and 14 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼

S29 | S28

1919

From which,

A red pine, 15 ins. dia., bears S. 34° E., 21 lks. dist., marked ¼ S28 B T.

A pinon, 10 ins. dia., bears S. 29°30' W., 10 lks. dist., marked ¼ S29 BT.

chains	
45.50	Top of mountain, 100 ft. above the ¼ sec. cor., bears NE. and SW., thence over rolling land.
78.50	Top of abrupt descent, bears E. and W.
80.00	On steep N. slope, 50 ft. below top of mountain. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 20, 21, 28 and 29, with a b cap marked

T14S R25E

S20	S21
S29	S28

1919

From which,

A pinon, 10 ins. dia., bears N. 53°30' E., 42 lks. dist., marked T14S R25E S21 BT.

A red pine, 8 ins. dia., bears S. 28°15' E., 31 lks. dist., marked T14S R25E S28 BT.

A red pine, 12 ins. dia., bears S. 38°30' W., 23 lks. dist., marked T14S R25E S29 BT.

A red pine, 12 ins. dia., bears N. 24°30' W., 61 lks. dist., marked T14S R25E S20 BT.

Land, rough and mountainous.

Soil, shallow sandy loam, clay and loose rock.

Drainage, SW., into Bitter Creek.

Undergrowth, scattering sage, service and buck brush.

Timber, dense cedar, pinon and red pine.

Good grazing on all of mile.

N. 89°54' E., on random line bet. secs. 21 and 28.

40.00 Set temp. ¼ sec. cor.,

79.94 Intersect the N. and S. line, 7 lks. S. of the cor. of secs. 21, 22, 27 and 28.

S. 89°51' W., on true line bet. secs. 21 and 28.

Ascend abruptly over rough mountainous land, through undergrowth of sage, service and buck brush.

20.00 Top of abrupt ascent, 200 ft. above sec. cor. slopes N., enter dense growth of cedar, pinon and red pine timber, bears N. and S.

SUBDIVISION OF T. 14 S. , R. 25 E.

chains	
26.55	Ravine, 100 ft. below top of abrupt ascent, course N. 15° W.
39.97	On steep SW. slope, 550 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S21 / S28
	I919
	From which,
	A pinon, 8 ins. dia., bears N. 68°30' E., 33 lks. dist., marked ¼ S21 BT.
	A pinon, 10 ins. dia., bears S. 10°30' E., 30 lks. dist., marked ¼ S28 BT.
46.50	Top of ascent from ravine, 145 ft. above bottom, slopes N.
53.25	Ravine, 160 ft. below top of ascent, course NW.
60.25	Point of spur, 160 ft. above ravine, slopes N.
69.50	Ravine, 300 ft. below point of spur, course N. 15° W.
79.94	The cor. of secs. 20, 21, 28 and 29, 250 ft. above ravine.
	Land, rough and mountainous.
	Soil, dark sandy loam and loose rock.
	Drainage, NW., into Rat Hole Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, dense cedar, pinon and red pine on W. 59.96 chs., none on remainder of mile.
	Good grazing on all of mile.
	From the cor. of secs. 20, 21, 28 and 29.
	N. 0°03' W., bet. secs. 20 and 21.
	Descend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
25.40	Ravine, 625 ft. below sec. cor., course N. 15° E.
35.00	Top of ascent from ravine, 125 ft. above bottom, slopes NE.
40.00	On steep NE. slope, 125 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to solid rock and 8 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

chains	
	$\frac{1}{4}$ S20 | S21 1919
	From which,
	A cedar, 6 ins. dia., bears N. 67°15' E., 8 lks. dist marked $\frac{1}{4}$ S21 BT.
	A pinon, 8 ins. dia., bears S. 72°15' W., 8 lks. dist marked $\frac{1}{4}$ S20 BT.
52.00	Enter bottom of Rat Hole Canyon, 270 ft. below the $\frac{1}{4}$ se cor., bears S. 60° E. and N. 60° W., leave timber and enter dense undergrowth of sagebrush, bears N. 60° W. and S. 60° E., thence over rolling bottom of canyon.
67.40	Stream of good clear water, 10 lks. wide, 3 ins. deep, in wash, 150 lks. wide, 25 ft. deep, course N. 60° W.
70.15	Road, bears E. and W.
72.00	Ascend abruptly from rolling bottom of Rat Hole Canyon, bears E. and W.
75.00	Leave dense undergrowth of sagebrush and enter dense cedar, pinon and red pine timber, bears E. and W.
80.00	On steep S. slope, 135 ft. above bottom of Rat Hole Can Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in t ground, for cor. of secs. 16, 17, 20 and 21, with a br cap marked
	T14S R25E S17 | S16 S20 | S21 1919
	From which,
	A red pine 6 ins. dia., bears N. 89° E., 36 lks. dist. marked T14S R25E S16 BT.
	A cedar, 6 ins. dia., bears S. 6°15' E., 46 lks. dist. marked T14S R25E S21 BT.
	A pinon, 7 ins. dia., bears S. 36°15' W., 28 lks. dist marked T14S R25E S20 BT.
	A red pine, 12 ins. dia., bears N. 32°30' W., 60 lks. dist., marked T14S R25E S17 BT.
	Land, S. 52.00 chs. and N. 8.00 chs., rough steep slopes

chains

of Rat Hole Canyon, remaining portion of mile rolling bottom land.

Soil, dark sandy loam, clay and loose rock.

Timber, dense cedar, pinon and red pine on S. 52.00 chs. and N. 5.00 chs.; none on remainder of mile.

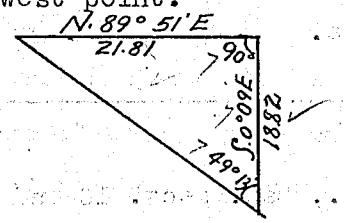
Undergrowth, scattering sage, service and buck brush on S.52.00 chs. and N. 5.00 chs., dense sagebrush on remainder of mile.

Drainage N.60°W. by Rat Canyon. Good grazing on all of mile.

N.89°51'E., on a random line bet. secs. 16 and 21.

40.00 Set temp. ¼ sec. cor.

58.08 Rocky spur, projects S.; abrupt descent over sandstone ledges impracticable to chain, I therefore determine the distance by triangulation as follows: Set flag on line to the East and from the east point deflect an angle of 90° to the left and measure base line S.0°09'E., 18.82 chs.; from this point the base subtends an angle of 49°13' to the west point.



Distance on random line	=	58.08 chs.
Distance by triangulation	=	21.82 chs.
Total		79.90 chs.

79.90 Intersect N. and S. line 5 lks. S. of the cor. of secs. 15,16,21 and 22.

Thence

S.89° 49'W., on true line bet. secs. 16 and 21.

Ascend abruptly over broken mountainous land , through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.

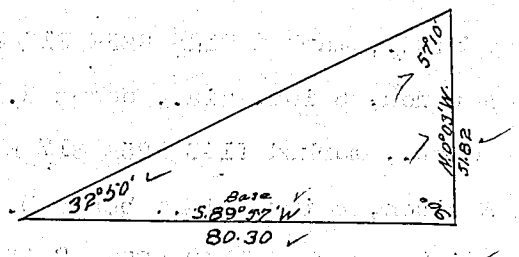
21.82 Point of triangulation on top of sandstone spur, 500 ft. above sec. cor., projects S.; descend.

Subdivision of T.14 S.,R.25 E.

Chains	
39.70	Ravine, 450 ft. below spur, drains S.; ascend.
39.95	On gentle E. slope, 15 ft. above ravine.
	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/S21 1919
	from which
	A red pine, 8 ins.diam.,bears S.24°30'W., 96 lk dist.,marked ¼ S 21 B T
	A red pine, 12 ins.diam.,bears N.11°W., 18 lks. dist.,marked ¼ S 16 B T
54.00	Top of ascent from ravine, 300 ft. above bottom, slopes
79.90	The cor. of secs. 16,17,20 and 21, 350 ft. below top of ascent.
	Land, rough and mountainous.
	Soil, shallow sandy loam, clay and loose rock.
	Timber, dense cedar, pinon and red pine.
	Undergrowth, scattering sage, service and buck brush.
	Drainage SW. into Rat Hole Canyon. Good grazing on all of mile.
	N.0°03'W., bet. secs. 16 and 17.
	Ascend over mountainous land, through scattering undergrowth of sage, service and buck brush, and dense ceda pinon and red pine timber.
4.00	Top of ascent, 75 ft. above cor. slopes W.; descend.
18.00	Ravine, 100 ft. below top of ascent, drains S.75°W.; ascend abruptly over sandstone ledges along slope of ravine impracticable to chain, I therefore determine distance by triangulation as follows: Set flag on lin on top of spur to the north and from this flag a flag at the cor. of secs. 17, 18, 19 and 20 subtends an angle of 57°10', the base being the line between Secs. 17 and 20, which bears S. 89° 57' W. 80.30 chs. distance.

SUBDIVISION OF T. 14 S., R. 25 E.

chains



Dist. by triangulation = 51.82 chs.

Dist. by return measurement = 11.82 chs.

40.00 chs.

40.00 On broken W. slope, 600 ft. above ravine.

Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to solid rock and 6 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼

S17 | S16

1919

From which,

A red pine, 10 ins. dia., bears S. 54° E., 100 lks. dist., marked ¼ S16 BT.

A red pine, 12 ins. dia., bears N. 1° W., 30 lks. dist., marked ¼ S17 BT.

51.82 To point of triangulation, on top of rocky spur, 330 ft. above the ¼ sec. cor., projects S. 10° W., thence over level land alongside of spur.

55.00 Ridge, bears E. and W.; descend abruptly into ravine.

74.15 Ravine, 360 ft. below top of ridge, course N. 60° W.

80.00 On gentle SW. slope, 85 ft. above ravine.

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

T14S R25E

S8 | S9

S17 | S16

1919

From which,

A red pine, 6 ins. dia., bears N. 51°50' E., 62 lks. dist., marked T14S R25E S9 BT.

A pinon, 10 ins. dia., bears S. 84°30' E., 11 lks.

chains	
	dist., marked T14S R25E S16 BT.
	A pinon, 6 ins. dia., bears S. 26°45' W., 53 lks. dist., marked T14S R25E S17 BT.
	A pinon, 6 ins. dia., bears N. 18°30' W., 17 lks. dist., marked T14S R25E S8 BT.
	Land, rough and mountainous.
	Soil, shallow sandy loam, hard clay and loose rock.
	Drainage, SW., into Rat Hole Canyon and NW., into Amaro Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, dense cedar, pinon and red pine.
	Good grazing on all of mile.
	N. 89°43' E., on random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
73.24	Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 9, 10, 15 and 16.
	S. 89°52' W., on true line bet. secs. 9 and 16.
	Ascend gradually over mountainous land, through dense undergrowth of sage, service and buck brush and scattered cedar, pinon and red pine timber.
8.00	Spur, 30 ft. above the ¼ sec. cor., projects N.
25.50	Gulch, 440 ft. below spur, course N.
39.37	On rolling top of spur, 460 ft. above gulch, projects N.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground to solid rock and 20 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S9 / S16 / 1919
	From which,
	A cedar, 6 ins. dia., bears N. 72°30' E., 10 lks. dist., marked ¼ S9 BT.
	A pinon, 12 ins. dia., bears S. 3° E., 39 lks. dist., marked ¼ S16 BT.
62.00	Head of ravine, 115 ft. below the ¼ sec. cor., course N.

chains	
69.00	Top of spur, 35 ft. above head of ravine, projects NW.; enter dense timber and scattering undergrowth.
79.94	The cor. of secs. 8, 9, 16 and 17, 265 ft. below spur.
	Land, rough and mountainous.
	Soil, dark sandy loam, clay and loose rock.
	Drainage, NW., into Augosi Canyon.
	Undergrowth, dense sage, service and buck brush: on 69.00 chs.
	Timber, dense cedar, pinon and red pine.
	Good grazing on all of mile.
	From the cor. of secs. 8, 9, 16 and 17.
	N. 0°03' W., bet. secs. 8 and 9.
	Ascend abruptly over rough mountainous land, through scattering undergrowth of sage, service anddbuck brush and dense cedar, pinon and red pine timber.
9.00	Spur, 125 ft. above the sec. cor., projects N. 70° W.
23.50	Gulch, 400 ft. below spur, course W.
29.50	Top of spur, 225 ft. above gulch, projects W., thence over rolling top of spur.
40.00	On rolling top of spur.
	Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to solid rock and 22 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked
	¼ S8 | S9 1919
	From which,
	A pinon, 12 ins. dia., bears N. 59°30' E., 25 lks. dist., marked ¼ S9 BT.
	A cedar, 6 ins. dia., bears N. 29° W., 22 lks. dist., marked ¼ S8 BT.
41.80	Top of abrupt descent from spur, bears S. 75° W. and N. 75° E
51.00	Leave timber and enter dense undergrowth of sagebrush, bears NW. and E.
54.00	Bottom of canyon and mouth, 575 ft. below the ¼ sec. cor., bears E. and SW., thence over rolling bottom of canyon.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
59.65	Wash, 30 lks. wide, 4 ft. deep, course W.
65.00	Point of spur, projects NW., thence over rolling botto of Augosi Canyon.
73.80	Wash, 15 lks. wide, 3 ft. deep, course SW.
77.40	Road, bears SW. and NE.
79.00	Ascend along the slope of canyon, bears NE. and SW., e
80.00	dense cedar, pinon and red pine timber, bears NE. and
80.00	On gentle SE. slope, 40 ft. above bottom of canyon.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in t ground, for cor. of secs. 4, 5, 8 and 9, with a brass cap marked

T14S R25E

S5	S4
S8	S9

1919

From which,

A cedar, 6 ins. dia., bears N. 19°30' E., 78 lks. dist., marked T14S R25E S4 BT.

A pinon, 6 ins. dia., bears S. 14°45' E., 31 lks. dist., marked T14S R25E S9 BT.

A pinon, 7 ins. dia., bears S. 78° W., 103 lks. dist., marked T14S R25E S8 BT.

A pinon, 10 ins. dia., bears N. 72°45' W., 55 lks. dist., marked T14S R25E S5 BT.

From this cor., a spring of good clear water, bears S. 28°37' E., 9.00 chs. dist.

Land, on S. 54.00 chs., rough and mountains, rolling canyon bottom remainder of mile.

Soil, coarse sandy loam, hard clay and loose rock on S. 54.00 chs., deep rich sandy loam remainder of mile.

Drainage, SW., by Augosi Canyon.

Undergrowth, scattering sage, service and buck brush on S. 51.00 chs. and N. 1.00 ch., dense sagebrush on remai of mile.

Timber, dense cedar, pinon and red pine on S. 51.00 chs. and N. 1.00 ch., none remainderof mile.

Good grazing on all of mile.

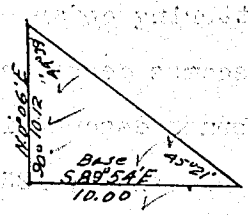
SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	N. 89°52' E., on random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line, 12 lks. S. of the cor. of secs. 3, 4, 9 and 10.
	S. 89°47' W., on true line bet. secs. 4 and 9.
	Descend gradually over rolling top of mountain, through scattering undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
5.00	Timber becomes dense, bears N. and S.
28.00	Top of abrupt descent into Augosi Canyon, bears NE. and SW.
40.00	On steep NW. slope, 125 ft. below the sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S4 / S9 1919
	From which,
	A red pine, 10 ins. dia., bears S. 14°45' W., 11 lks. dist., marked ¼ S9 BT.
	A red pine, 10 ins. dia., bears N. 17°30' W., 23 lks. dist., marked ¼ S4 BT.
75.00	Wash, 20 lks. wide, 4 ft. deep, in bottom of Augosi Canyon, 850 ft. below the ¼ sec. cor., course S. 30° W.
77.50	Road, bears S. 30° W. and N. 30° E.
80.00	The cor. of secs. 4, 5, 8 and 9, 20 ft. above bottom of Augosi Canyon.
	Land, rough and mountainous.
	Soil, shallow coarse sandy loam, clay and loose rock.
	Drainage, S. 30° W., by Augosi Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine on E. 5.00 chs., dense cedar, pinon and red pine on remainder of mile.
	Good grazing on all of mile.

chains

N. 0°06' E., on random line bet. secs. 4 and 5.

Ascend abruptly over broken sandstone ledges which are impracticable to chain over, I therefore determine the dist. by triangulation as follows: Set a flag on line to the N. at top of ledges and from the sec. cor., run a base line, S. 89°54' E., 10.00 chs. dist.; from this point, flag at top of ledges subtends an angle of 45°2



Dist. on line by triangulation = 10.12 chs

10.12 To point of triangulation on top of ledges, 265 ft. abov the sec. cor., bears N. 10° E. and S. 10° W.

40.00 Set temp. ¼ sec. cor.

80.20 Intersect the N. bdy of the township, 16 lks. E. of the cor. of secs. 4, 5, 32 and 33.

S. 0°01' E., on true line bet. secs. 4 and 5.

Ascend gradually over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.

13.00 Ascent becomes more gradual, bears NE. and SW.

22.00 Top of ridge, 100 ft. above the sec. cor., bears S. 10° and N. 10° W.

40.20 On steep W. slope, 260 ft. below top of ridge.

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

¼

S5 | S4

1919

From which,

A pinon, 10 ins. dia., bears N. 50°30' E., 59 lks. dist., marked ½ S4 BT.

A red pine, 10 ins. dia., bears S. 34°30' W., 26 lks. dist., marked ½ S5 BT.

Subdivision of T. 14 S., R. 25 E.

chains	
50.00	Foot of descent from ridge, 40 ft. below the ¼ sec. cor., slopes W.; ascend.
61.20	Spur, 30 ft. above foot of descent, projects S. 10° W.
70.08	To point of triangulation, 115 ft. below top of spur.
80.20	The cor. of secs. 4, 5, 8 and 9; 380 ft. below spur.
	Land, rough and mountainous.
	Soil, shallow coarse sandy loam and loose rock.
	Drainage, SW., into Augosi Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, dense cedar, pinon and red pine.
	Good grazing on all of mile.
	From the cor. on the S. bdy. of the township, for secs. 5, 6, 31 and 32, heretofore described.
	N. 0°03' W., bet. secs. 31 and 32.
	Descend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
6.75	Ravine, 285 ft. below the sec. cor., course N. 75° E.
26.75	Point of spur, 300 ft. above ravine, slopes E.
39.50	Leave timber, bears NW. and SE.
40.00	On gentle NE. slope, 445 ft. below point of spur.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S31 | S32 1919
	From which,
	A red pine, 6 ins. dia., bears N. 87°45' E., 93 lks. dist., marked ¼ S32 BT.
	A red pine, 6 ins. dia., bears S. 66° W., 140 lks. dist., marked ¼ S31 BT.
42.00	Enter bottom of Bitter Creek Canyon, 80 ft. below the ¼ Sec. cor., bears NW. and SE., and enter dense sagebrush and greasewood undergrowth, bears NW. and SE.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
51.00	Bitter Creek, a stream of good clear water, 4 lks. wide 4 ins. deep, in wash, 25 lks. wide, 3 ft. deep, course N. 30° W.
56.50	Pole fence, bears N. 60° E. and S. 60° W.
71.35	Recross Bitter Creek, in wash, 1.00 ch. wide, 8 ft. dee course NE.
76.00	Recross Bitter Creek, in wash, 1.00 ch. wide, 8 ft. deep course N. 30° W.
80.00	On rolling bottom of Bitter Creek Canyon. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in t ground, for cor. of secs. 29, 30, 31 and 32, with a br cap marked

T14S	R25E
S30	S29
S31	S32

1919

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

From this cor.

Henry Reaves', (Indian) log cabin bears S75°13' W.

Machine shed bears S. 72°23' W.

SW. cor. of pole corral bears N. 79°43' W.

Land, rough slopes of Bitter Creek Canyon on S. 42.00 ch rolling bottom of Bitter Creek Canyon remainder of mile

Soil, coarse sandy loam, hard clay, and loose rock on S. 42.00 chs., rich sandy and clay loam on remainder of mi

Drainage, N. 20° W., by Bitter Creek.

Undergrowth, scattering sage, service and buck brush on S. 42.00 chs., dense sagebrush and greasewood on remain of mile.

Timber, dense cedar, pinon and red pine on S. 42.00 chs. none on remainder of mile.

Good grazing on all of mile.

East, on random line bet. secs. 29 and 32.

40.00	Set temp. ¼ sec. cor.
80.36	Intersect the N. and S. line, 10 lks. N. of the cor. of secs. 28, 29, 32 and 33.

chains	
	N. 89°56' W., on true line bet. secs. 29 and 32.
	Descend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush, and dense cedar, pinon and red pine timber.
33.60	Bottom of canyon, 530 ft. below the sec. cor., course S. 60° W.; ascend over sandstone ledges, bears S. 60° W. and N. 60° E.
40.18	At top of ledges, 250 ft. above bottom of canyon.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S29 / S32
	1919
	From which,
	A red pine, 12 ins. dia., bears N. 2° E., 30 lks. dist., marked ¼ S29 BT.
	A cedar, 6 ins. dia., bears S. 28°45' W., 9 lks. dist., marked ¼ S32 BT.
40.50	Top of ascent from canyon, 20 ft. above the ¼ sec. cor., bears N. 60° E. and S. 60° W., thence over land sloping SW. along end of spur.
67.00	Top of abrupt descent over sandstone ledges into Bitter Creek Canyon, bears NE. and SW.
77.00	Enter bottom of Bitter Creek Canyon, bears N. and S., leave timber, service and buck brush undergrowth, and enter dense sagebrush and greasewood undergrowth, bears N. and S., thence over rolling bottom of Bitter Creek Canyon.
79.60	Road, bears N. and S.
80.36	The cor. of secs. 29, 30, 31 and 32, 480 ft. below top of ascent.
	Land, rough and mountainous.
	Soil, coarse sandy loam, clay and loose rock.
	Drainage, S. 60° W., into Bitter Creek.
	Undergrowth, scattering sage, service and buck brush on

chains	
	E. 77.00 chs., dense sagebrush and greasewood on remai[illegible] of mile.
	Timber, dense cedar, pinon and red pine on E. 77.00 chs., none on remainder of mile.
	Grazing good on all of mile.
	West, on random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.48	Intersect the W. bdy. of the township, 14 lks. N. of the cor. of secs. 25, 30, 31 and 36.
	N. 89°54' E., on true line bet. secs. 30 and 31.
	Descend abruptly over rough mountainous land, through dense cedar, pinon and red pine timber and scattering undergrowth of sage, service and buck brush.
4.50	Bottom of canyon, 190 ft. below sec. cor., course N. 15°
17.50	Top of ascent from canyon, 430 ft. above bottom, bears N. and S.; thence over rolling top of ridge.
25.50	Head of ravine, 40 ft. below top of ascent, course N.
39.48	On rolling SW slope, 20 ft. above head of ravine.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S30/S31 1919
	From which,
	A cedar, 6 ins. dia., bears S. 31° W., 17 lks. dist., marked ¼ S31 BT.
	A pinon, 5 ins. dia., bears N. 28°15' W., 57 lks. dist., marked ¼ S30 BT.
42.00	Top of abrupt descent into Bitter Creek Canyon, 40 ft. above the ¼ sec. cor., bears S. 8° W. and N. 5° E.
66.50	Enter bottom of Bitter Creek Canyon, 800 ft. below top of descent, bears NW. and SE., enter dense undergrowth of sagebrush and greasewood and leave timber, bears NW. and SE., thence over rolling bottom of Bitter Creek Canyon.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
67.48	Henry Reaves', (Indian)
	Log cabin bears S. 26°40' E.
	Machine shed bears S. 44°24' E.
	SW. cor. of pole corral bears N. 26°24' E.
77.40	Stream of muddy water, 5 lks. wide, 3 ins. deep, called Bitter Creek, in wash, 30 lks. wide 10 ft. deep, course N.
79.48	The cor. of secs. 29, 30, 31 and 32.
	Land, E. 13.00 chs., rolling bottom of Bitter Creek Canyon; rough and mountainous remainder of mile.
	Soil, deep rich sandy loam on E. 13.00 chs., shallow coarse sandy loam, clay and loose rock remainder of mile.
	Drainage, NE., into Bitter Creek.
	Undergrowth, dense sagebrush and greasewood on E. 13.00 chs., scattering sage, service and buck brush remainder of mile.
	Timber, dense cedar, pinon and red pine on W. 66.50 chs., none on remainder of mile.
	Good grazing on all of mile.
	From the cor. of secs. 29, 30, 31 and 32.
	N. 0°03' W., bet. secs. 29 and 30.
	Over rolling bottom of Bitter Creek Canyon, through dense undergrowth of sagebrush and greasewood.
1.50	Road, bears N. 10° W. and S. 10° E.
15.00	Ascend abruptly over broken sandstone ledges from bottom of Bitter Creek Canyon, bears SE. and NW.
26.00	Top of ascent on point of rocky spur, 325 ft. above bottom of Bitter Creek Canyon, slopes NW., leave dense undergrowth of sagebrush and greasewood and enter scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber, bears NW. and SE.; descend.
34.00	Gulch, 250 ft. below top of ascent, course W.
40.00	On steep S. slope, 75 ft. above bottom of gulch.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to solid rock and 20 ins. in a mound of stone,

chains

for ¼ sec. cor., with a brass cap marked

¼

S30 | S29

1919

From which,

A red pine, 8 ins. dia., bears S. 23° E., 34 lks. dist., marked ¼ S29 BT.

A cedar, 8 ins. dia., bears N. 52° W., 104 lks. dist., marked ¼ S30 BT.

54.00 Spur, 480 ft. above the ¼ sec. cor., projects W.

69.00 Head of ravine, 200 ft. below spur, course W.

80.00 On steep S. slope, 170 ft. above head of ravine.

Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to solid rock and 20 ins. in a mound of stone, for cor. of secs. 19, 20, 29 and 30, with a brass cap marked

T14S R25E

S19 | S20

S30 | S29

1919

From which,

A pinon, 12 ins. dia., bears N. 82°30' E., 75 lks. dist., marked T14S R25E S20 BT.

A pinon, 8 ins. dia., bears S. 35° E., 43 lks. dist., marked T14S R25E S29 BT.

A pinon, 12 ins. dia., bears S. 60°30' W., 46 lks. dist., marked T14S R25E S30 BT.

A pinon, 6 ins. dia., bears N. 20°15' W., 21 lks. dist., marked T14S R25E S19 BT.

Land, rolling bottom of Bitter Creek Canyon on S. 15.00 chs., broken mountainous land remainder of mile.

Soil, deep sandy loam on S. 15.00 chs., shallow coarse sandy loam, clay and loose rock remainedr of mile.

Drainage, NW., into Bitter Creek Canyon.

Undergrowth, dense sagebrush and greaswood on S. 15.00 chs., scattering sage, service and buck brush remainder of mile.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	Timber, dense cedar, pinon and red pine on N. 65.00 chs., none on remainder of mile.
	Good grazing on all of mile.
	S. 89°56' E., on random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.,
80.32	Intersect the N. and S. line, 5 lks. S. of the cor. of secs. 20, 21, 28 and 29.
	N. 89°58' W., on true line bet. secs. 20 and 29.
	Descend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
4.25	Head of ravine, 60 ft. below the sec. cor., course N. 20° E.
10.00	Top of ridge, 115 ft. above head of ravine, bears NW. and SE., thence over rolling top of ridge.
40.16	On rolling top of ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S20 / S29 / 1919
	From which,
	A pinon, 8 ins. dia., bears N. 34°30' E., 47 lks. dist., marked ¼ S20 BT.
	A pinon, 8 ins. dia., bears S. 30°15' E., 28 lks. dist., marked ¼ S29 BT.
66.00	Top of abrupt descent from ridge, bears N. 15°-W. and S. 15° E.
80.32	The cor. of secs. 19, 20, 29 and 30, 300 ft. below top of abrupt descent.
	Land, rough and mountainous.
	Soil, shallow coarse sandy loam, clay and loose rock.
	Drainage, NW., into Bitter Creek Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, dense cedar, pinon and red pine.
	Good grazing on all of mile.

chains.	
	S. 89°54' W., on random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor., [illegible]
79.50	Intersect the W. bdy. of the township, 16 lks. S. of the cor. of secs. 19, 24, 25 and 30.
	S. 89°59' E., on true line bet. secs. 19 and 30.
	Ascend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
2.50	Top of ascent, 65 ft. above cor., slopes NE.
27.50	Enter bottom of Bitter Creek Canyon, 650 ft. below top of abrupt descent, bears N. 10° E. and S. 10° W., leave timber, bears N. 10° E. and S. 10° W., thence over rolling bottom of Bitter Creek Canyon.
30.50	Wire fence, bears N. 80° E. and S. 80° W.
33.50	Bitter Creek, a stream of muddy water, 5 lks. wide, 3 ins deep, in wash, 50 lks. wide, 8 ft. deep, course N. Road bears N. and S.
39.50	On rolling bottom of Bitter Creek Canyon.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S19 / S30
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor
47.50	Enter dense cedar, pinon and red pine timber, bears N. and
50.50	Foot of spur, projects SW., leave bottom of Bitter Creek canyon, bears NE. and SW., thence ascend abruptly.
78.00	Spur, 800 ft. above bottom of Bitter Creek Canyon, project S. 80° W.
79.50	The cor. of secs. 19, 20, 29 and 30.
	Land, rolling bottom of Bitter Creek Canyon on 23.00 chs. of mile, broken mountainous land remainder of mile.
	Soil, deep rich sandy loam on 23.00 chs. of mile, shallow coarse sandy loam, clay and loose rock remainder of mile.
	Drainage, N., by Bitter Creek.
	Undergrowth, scattering sage, service and buck brash.
	Timber, dense cedar, pinon and red pine on W. 27.50 chs. and E. 32.00 chs. Good grazing.

SUBDIVISION OF T. 14 S., R. 25 E.

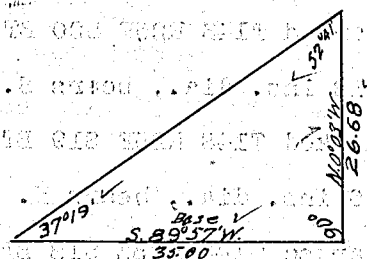
chains

From the cor. of secs. 19, 20, 29 and 30.

N. 0°03' W., bet. secs. 19 and 20.

Ascend over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.

1.00 Spur, 15 ft. above the sec. cor., projects W.; from this point, line crosses head of ravine over broken sandstone ledges which are impracticable to chain over, I therefore determine the distance by triangulation as follows. Set a flag on line to the N., and from the sec. cor., run a base line S. 89°57' W., 35.00 chs. dist.; from flag on line, this flag subtends an angle of 52°41'.



Dist. by triangulation = 26.68 chs.

Approximate topography bet. points of triangulation.

12.50 Head of ravine, 150 ft. below spur, course W.

26.68 To point of triangulation on top of rocky spur, 110 ft. above ravine, projects N. 30° W.

40.00 On steep NE. slope, 265 ft. below top of spur.

Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to solid rock and 22 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼

S19 | S20

1919

From which,

A pinon, 5 ins. dia., bears S. 80° E., 7 lks. dist., marked ¼ S20 BT.

A pinon, 8 ins. dia., bears N. 66°45' W., 34 lks. dist., marked ¼ S19 BT.

64.50 Ravine, 430 ft. below the ¼ sec. cor., course N. 30° W.

73.00 Point of spur, 90 ft. above ravine, projects N. 60° W.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
80.00	On gentle NE. slope, 250 ft. below point of spur. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in th ground, for cor. of secs. 17, 18, 19 and 20, with a bra cap marked

T14S R25E

S18	S17
S19	S20

1919

From which,

A cedar, 6 ins. dia., bears N. 12°15' E., 363 lks. dist., marked T14S R25E S17 BT.

A cedar, 4 ins. dia., bears S. 28°45' E., 143 lks. dist., marked T14S R25E S20 BT.

A cedar, 12 ins. dia., bears S. 59°15' W., 203 lks. dist., marked T14S R25E S19 BT.

A cedar, 6 ins. dia., bears N. 22°30' W., 1919lks. dist., marked T14S R25E S18 BT.

Land, rough mountains with steep slopes.

Soil, coarse sandy loam, clay and loose rock.

Drainage, W., into Bitter Creek Canyon and NW., into Rat Hole Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, dense cedar, pinon and red pine.

Good grazing on all of mile.

	S. 89°58' E., on random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.30	Intersect the N. and S. line, 12 lks. S. of the cor. of sec 16, 17, 20 and 21.
	S. 89°57' W., on true line bet. secs. 17 and 20.
	Descend gradually over rough mountainous land, through scattering undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
8.00	Enter bottom of Rat Hole Canyon, 135 ft. below sec. cor., bears N. 75° W. and S. 75° E., leave timber, bears bears SE. and NW., thence over rolling bottom of canyon.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
23.80	Road, bears N. 75° W. and S. 75° E.
40.15	On rolling bottom of Rat Hole Canyon.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	S17 / ¼ / S20
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
45.75	Stream of good clear water, 5 lks. wide, 3 ft. deep, in wash, 50 lks. wide, 10 ft. deep, course N. 75° W.
51.50	Enter timber, bears N. and S.
52.00	Leave rolling bottom of Rat Hole Canyon, bears N. 75° W. and S. 75° E., and ascend gradually along slope of canyon.
80.30	The cor. of secs. 17, 18, 19 and 20, 95 ft. above bottom of canyon.
	Land, broken on E. 8.00 chs. and W. 28.30 chs., rolling bottom of Rat Hole Canyon remainder of mile.
	Drainage, N. 75° W., by Rat Hole Canyon.
	Soil, shallow sandy loam, hard clay and loose rock.
	Undergrowth, scattering sage, service and buck brush.
	Timber, scattering pinon, cedar, and red pine on E. 8.00 chs. and W. 28.80 chs., none on remainder of mile.
	Good grazing on all of mile.
	N. 89°59' W., on random line bet. secs. 18 and 19.
40.00	Fall inside of an Indian allotment.
79.40	Intersect the W. bdy. of the township, 2 lks. S. of the cor. of secs. 13, 18, 19 and 24.
	S. 89°58' E., on true line bet. secs. 18 and 19.
	Over rolling bottom of Bitter Creek Canyon, through dense undergrowth of sagebrush and greasewood.
3.57	Intersect the W. bdy. of Indian allotment No. 580, belonging to Sam Archee, N. 11°25' E., 2.55 chs. dist., from cor No. 1, which is an iron post, 1 in. dia., extending 12 ins. above the ground, with a brass cap, marked and witnessed

chains	
	as described by the surveyor general: At point of inter section.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for closing cor. of secs. 18 and 19, with a bra cap marked
	T14S R25E S18 C / No. 580 / S19 C / S. A. 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of c
14.40	Bitter Creek, a stream of good clear water, 15 lks. wide 3 ins. deep, course N.
18.60	Road, bears N. and S.
27.80	Stream of good clear water, 5 lks. wide, 3 ins. deep, in bottom of Rat Hole Canyon, course N. 85° W.
35.00	Same stream, course S. 85° W.
39.40	Point for the ¼ sec. cor., falls inside of Indian allotm No. 580, no cor. set.
47.92	Intersect the E. bdy. of Indian allotment No. 580, N. 76°10' W., 6.75 chs. dist., from cor. No. 6, which is an iron post, 1 in. dia., extending 12 ins. above the ground, with a brass cap marked and witnessed as describ by the surveyor general: At point of intersection.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for the closing cor. of secs. 18 and 19, with a brass cap marked
	No. 580 S.A. / T14S R25E C S18 / C S19 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of co
55.40	Leave bottom of Rat Hole Canyon and enter dense cedar, pinon and red pine timber, bears NE. and SW.; ascend.
68.40	Top of ascent, 70 ft. above canyon, slopes N.; descend.
71.10	Mouth of ravine, 25 ft. below top of ascent, course N.
74.40	Top of ascent from ravine, 30 ft. above bottom, slopes N.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
79.40	The cor. of secs. 17, 18, 19 and 20, 20 ft. below top of ascent.
	Land, rolling bottoms of Rat Hole and Bitter Creek Canyons on W. 55.40 chs., rough and mountainous remainder of mile.
	Soil, deep rich sandy loam on W. 55.40 chs., shallow sandy loam, clay and loose rock remainder of mile.
	Drainage, NW., by Bitter Creek and Rat Hole Canyons.
	Undergrowth, dense sagebrush and greasewood.
	Timber, none on W. 55.40 chs., dense cedar, pinon and red pine remainder of mile.
	Good grazing on all of mile.
	From the cor. of secs. 17, 18, 19 and 20.
	N. 0°03' W., bet. secs. 17 and 18.
	Descend over mountainous land, through scattering undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.
6.00	Enter bottom of Rat Hole Canyon, 80 ft. below the sec. cor., bears E. and W., leave timber, bears E. and W., thence over rolling bottom of canyon.
11.75	Stream of good clear water, 5 lks. wide, 3 ins. deep, course W.
19.55	Road, bears E. and W.
22.00	Leave bottom of Rat Hole Canyon and enter scattering dense cedar, pinon and red pine timber, bears E. and W., thence over rough mountainous land.
40.00	On steep SW. slope, 330 ft. above Rat Hole Canyon, at top of ascent.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to solid rock and 20 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

$$\frac{S18 \mid S17}{19 \mid 19}$$

From which,

SUBDIVISION OF T. 14 S., R. 25 E.

chains

A pinon, 10 ins. dia., bears N. 3° E., 80 lks. dist., marked ¼ S17 BT.

A red pine, 8 ins. dia., bears S. 79°30' W., 39 lks. dist., marked ¼ S18 BT.

51.75 Ravine, 30 ft. below the ¼ sec. cor., course S. 30° W.

63.00 Ridge, 200 ft. above ravine, bears E. and W.

80.00 At bottom of Augosi Canyon, bears E. and W., 600 ft. below top of ridge.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with a brass cap marked

T14S R25E	
S7	S8
S18	S17

1919

From which,

A cedar, 6 ins. dia., bears S. 26°15' E., 331 lks. dist., marked T14S R25E S17 BT.

A cedar, 6 ins. dia., bears S. 60°30' W., 238 lks. dist., marked T14S R25E S18 BT.

No other bearing trees available.

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

Leave timber at this cor., bears E. and W.

Land, rough and mountainous on S. 6.00 chs. and N. 58.00 chs., rolling bottom of Rat Hole Canyon remainder of mile.

Soil, shallow sandy loam, hard clay and loose rock.

Drainage, W., by Rat Hole Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, dense cedar and pinon on S. 6.00 chs. and scattering cedar, pinon and red pine on N. 55.40 chs.

Good grazing on all of mile.

N. 89°57' E., on random line bet. secs. 8 and 17.

40.00 Set temp. ¼ sec. cor.

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

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	S. 89°53' W., on true line bet. secs. 8 and 17:
	Descend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
20.00	Ravine, 370 ft. below the sec. cor.; course N. 80° W., thence descend gradually along S. side of ravine.
29.50	Recross ravine 450 ft. below sec cor., course NW., at bend.
39.00	Point of spur, 225 ft. above ravine, slopes NW.
40.13	On SW. slope of spur, 20 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S8 / S17
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees available.
51.50	Ravine, 425 ft. below the ¼ sec. cor., course N.
54.00	Top of ascent from ravine, 60 ft. above bottom, slopes N., leave timber and enter dense undergrowth of sagebrush, bears N. 75° E. and S. 75° W.
70.00	Enter rolling bottom of Augosi Canyon, bears W. and N. 80° E., 140 ft. below top of ascent, thence over rolling bottom of canyon.
80.26	The cor. of secs. 7, 8, 17 and 18.
	Land, rolling bottom of Augosi Canyon on W. 10.26 chs., rough and mountainous remainder of mile.
	Soil, shallow sandy loam, hard clay and loose rock.
	Drainage, W., by Augosi Canyon.
	Undergrowth, W. 10.26 chs., dense sagebrush, scattering sage, service and buck brush remainder of mile.
	Timber, scattering cedar, pinon and red pine on E. 54.00 chs. none remainder of mile.
	Good grazing on all of mile.

chains.	
	N. 89°58' W., on random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
79.43	Intersect the W. bdy. of the township, 12 lks. S. of the cor. of secs. 7, 12, 13 and 18.
	S. 89°53' E., on true line bet. secs. 7 and 18.
	Ascend over rough mountainous land, through scattering cedar, pinon and red pine timber and scattering undergrowth of sage, service and buck brush.
11.70	Spur, 375 ft. above cor., projects S. 60° W.
18.10	Head of ravine, 160 ft. below spur, course S.
26.40	Top of rocky spur, 135 ft. above head of ravine, project S.
39.43	At bottom of Augosi Canyon, 460 ft. below spur, bears NE. and SW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S7 / S18
	1919
	From which,
	A cedar, 6 ins. dia., bears N. 38°15' W., 193 lks. dist., marked ¼ S7 BT.
	A cedar, 6 ins. dia., bears S.68°50' W., 321 lks. dist., marked ¼ S18 BT.
	Leave timber at this cor., bears NE. and SW., thence over rolling bottom of Augosi Canyon.
48.30	Wash, 15 lks. wide, 3 ft. deep, course SW.
48.60	Road, bears NE. and SW.
51.40	Leave bottom of canyon and enter scattering cedar, pinon and red pine timber, bears NE. and SW., thence along slope of canyon near Bottom.
62.40	Top of ascent, 230 ft. above bottom of canyon, slopes N.
74.50	Leave timber, bears N. 75° W. and S. 75° E.
79.43	The cor. of secs. 7, 8, 17 and 18, 200 ft. below top of ascent, on the S. side of Augosi Canyon.

SUBDIVISION OF T. 14 S., R. 25 E.

chains

Land, rough and mountainous on W. half mile and E. 28.00 chs., rolling bottom of Augosi Canyon remainder of mile.

Soil, shallow sandy loam, hard clay and loose rock.

Drainage, SW., by Augosi Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, scattering cedar, pinon and red pine on W. half mile and E. 5.00 chs., none on remainder of mile.

Good grazing on all of mile.

From the cor. of secs. 7, 8, 17 and 18.

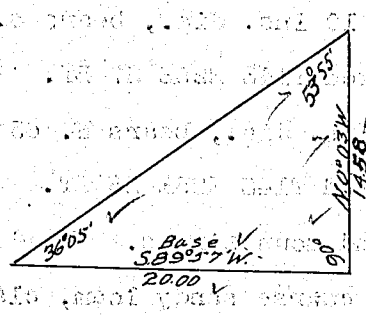
N. 0°03' W., bet. secs. 7 and 8.

Over rolling bottom of Augosi Canyon, through dense undergrowth of sagebrush and greasewood.

5.80 Wash, 20 lks. wide, 3 ft. deep, course W.

8.60 Road bears E. and W.

15.00 Leave bottom of Augosi Canyon and dense undergrowth of sagebrush and greasewood and enter scattering undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber, bears E. and W., thence over a series of sandstone ledges which are impracticable to chains over, I therefore determine the dist. by triangulation as follows: Set a flag on line to the N. at top of ledges, then return to a point, 6.90 chs. to the N. from the sec. cor. and run a base line S. 89°57' W., 20.00 chs. dist. From this point, flag at top of ledges, subtends an angle of 36°05'.



Dist. on line = 6.90 chs.
Dist. by triangulation = 14.58 chs.
21.48 chs.

21.48 To point of triangulation at top of ledges, 300 ft. above the sec. cor., bears E. and W.; ascend.

40.00 On steep S. slope, 175 ft. above top of ledges.

SUBDIVISION OF T. 14 S., R. 25 E.

chains

Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in the ground to solid rock and 16 ins. in a mound of stone, f ¼ sec. cor., with a brass cap marked

¼
S7 | S8
1919

From which,

A pinon, 8 ins. dia., bears N. 38°30' E., 23 lks. dist. marked ¼ S8 BT.

A cedar, 8 ins. dia., bears S. 44°30' W., 25 lks. dist. marked ¼ S7 BT.

45.00 Spur, 25 ft. above the ¼ sec. cor., projects SW.

72.00 Ravine, 75 ft. below spur, course SW.

80.00 On steep SW. slope, 100 ft. above ravine.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with a brass cap marked

T14S R25E
S6 | S5
S7 | S8
1919

From which,

A red pine, 16 ins. dia., bears N. 41° E., 39 lks. dist., marked T14S R25E S5 BT.

A red pine, 10 ins. dia., bears S. 57°30' E., 74 lks. dist., marked T14S R25E S8 BT.

A red pine, 10 ins. dia., bears S. 27° W., 16 lks. dist., marked T14S R25E S7 BT.

A pinon, 8 ins. dia., bears N. 65°15' W., 10 lks. dist., marked T14S R25E S6 BT.

Land, rough and mountainous.

Soil, shallow coarse sandy loam, clay and loose rock.

Drainage, SW., into Augosi Canyon.

Undergrowth, dense sagebrush and greasewood on S. 15.00 chs., scattering sage, service and buck-brush remainder of mile.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	Timber, scattering cedar, pinon and red pine on N. 65.00 chs., none on remainder of mile.
	Good grazing on all of mile.
	N. 89°53' E., on random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.,
80.16	Intersect the N. and S. line, 5 lks. S. of the cor. of secs. 4, 5, 8 and 9.
	S. 89°51' W., on true line bet. secs. 5 and 8.
	Ascend over broken mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
1.60	Top of ascent, 30 ft. above the sec. cor., slopes SE.
6.80	Ravine, 40 ft. below top of ascent, course SE.
39.10	Point of spur, 750 ft. above ravine, slopes S.
40.08	On gentle W. slope of spur, 15 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with a brass cap marked
	¼ S5/S8 1919
	From which,
	A cedar, 8 ins. dia., bears S. 51°30' E., 115 lks. dist., marked ¼ S8 BT.
	A red pine, 15 ins. dia., bears N. 69°30' W., 22 lks. dist., marked ¼ S5 BT.
51.10	Ravine, 320 ft. below the ¼ sec. cor., course SW.
63.00	Top of abrupt ascent from ravine, bears NE. and SW., thence over rolling land.
71.00	Spur, 275 ft. above ravine, projects S.
80.16	The cor. of secs. 5, 6, 7 and 8, 140 ft. below top of spur.
	Land, rough and mountainous.
	Soil, shallow sandy loam and loose rock.
	Drainage, SW., into Augosi Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, dense cedar, pinon and red pine.
	Good grazing on all of mile.

chains	
	N. 89°53' W., on random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
79.48	Intersect the W. bdy. of the township, 7 lks. S. of the cor. of secs. 1, 6, 7 and 12.
	S. 89°50' E., on true line bet. secs. 6 and 7.
	Ascend over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
14.50	Ridge, 340 ft. above sec. cor., bears S. 15° W. and N. 1
39.48	On rough E. slope, 230 ft. below top of ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to solid rock and 20 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked ¼ S6/S7 1919
	From which,
	A red pine, 12 ins. dia., bears S. 35° E., 15 lks. dist., marked ¼ S7 BT.
	A red pine, 8 ins. dia., bears N. 70° W., 97 lks. dist., marked ¼ S6 BT.
45.00	Bottom of canyon, 185 ft. below the ¼ sec. cor., course S
72.50	Ridge, 830 ft. above bottom of canyon, bears SW. and NE.
79.48	The cor. of secs. 5, 6, 7 and 8, 50 ft. below ridge.
	Land, rough and mountainous.
	Soil, shallow coarse sandy loam, hard clay and loose rock
	Drainage, SW.
	Undergrowth, scattering sage, service and buck brush.
	Timber, scattering cedar, pinon and red pine.
	Good grazing on all of mile.
	N. 0°01' W., on random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.,
80.30	Intersect the N. bdy. of the township, 7 lks. W. of the cor. of secs. 5, 6, 31 and 32.
	S. 0°02' W., on true line bet. secs. 5 and 6.

SUBDIVISION OF T. 14 S., R. 25 E.

chains	
	Ascend over rough mountainous land, through scattering undergrowth of sage, service and buck brush and dense cedar, pinon and red pine timber.
35.00	Spur, 250 ft. above the sec. cor., projects SW.
40.30	On gentle SE. slope, 50 ft. below top of spur. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground, to solid rock and 20 ins. in a mound of stone, for ¼ sec. cor., with a brass cap marked

¼

S6 | S5

1919

From which,

A red pine, 12 ins. dia., bears S. 42° E., 13 lks. dist., marked ¼ S5 BT.

A cedar, 7 ins. dia., bears S. 66° W., 17 lks. dist., marked ¼ S6 BT.

46.00	Ravine, 65 ft. below the ¼ sec. cor., course NW.
63.30	Top of abrupt ascent from ravine, bears NE. and SW., thence over rolling land.
77.30	Top of ridge, 415 ft. above ravine, bears NE. and SW.
80.30	The cor. of secs. 5, 6, 7 and 8, 65 ft. below top of ridge.

Land, rough and mountainous.
Soil, shallow coarse sandy loam and loose rock.
Drainage, NW.
Undergrowth, scattering sage, service and buck brush.
Timber, scattering cedar, pinon and red pine.
Good grazing on all of mile.

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	480.00		480.00		
S. bdy. of tp.	S.89°59'W.	479.40		.14		479.40
W. bdy. of tp.	North	480.00	480.00			
N. bdy. of tp.	S.89°58'E.	479.64		.30	479.64	
Convergency					.60	
			480.00	480.44	480.24	479.40
				480.00	479.40	
Errors in latitudes and departures				0.44	0.84	

GENERAL DESCRIPTION

The land embraced in this township consists of high rugged mountains, with steep slopes, deep ravines and canyons.

The township is covered with medium dense undergrowth of sage, service and buck brush and medium dense growth of cedar, pinon and red pine timber.

The soil on the slopes of the mountains consists of a shallow coarse sandy loam, mixed with hard clay and loose rock and that in the bottoms of the canyons, consists of a deep, rich, sandy loam.

The township is used mostly for a summer grazing range for sheep and cattle and is exceedingly good for this purpose

Farming is done in portions of the bottoms of Rat Hole, Tent and Bitter Creek Canyons.

The township has a good water supply, the largest of which is Bitter Creek, which flows northly through secs. 32, 31, 30, 19 and 18. This stream is used for irrigation purposes along the bottom of Bitter Creek Canyon. A small stream of water in Rat Hole Canyon is the only other stream large enough for irrigation purposes. This stream is used for this purpose along the bottom of Rat Hole Canyon.

Thomas King has a homestead in sec. 25, Mr. Davis in sec.

GENERAL DESCRIPTION OF T. 14 S., R. 25 E.

23 and Henry Reaves (Indian), in sec. 31. The only portions of the township that are suitable for farming are those a long the bottom of Rat Hole, Tent and Bitter Creek Canyons.

A portion of Indian allotment No. 445, belonging to John McCook includes a portion of sec. 32. Indian allotment No. 580, belonging to Sam Archee includes portions of secs. 18 and 19.

No indications of mineral were found on the township at the time of the survey.

Ralph Gurley

U.S. Cadastral Engineer.

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Page

WATER LOCATIONS; T. 14 S., R. 25 E.

Bitter Creek; E.½ of the SW.¼, NW.¼ of the SW.¼, W.½ of the NW.¼, of sec. 32. E.½ of the NE.¼ of sec. 31. SE.¼ of the SE.¼, N.½ of the SE.¼, SW¼. of the NE.¼, E.½ of the NW.¼ of sec. 30. E.½ of the SW¼, S.½ of the NW.¼, NW.¼ of the NW.¼ of sec. 19. W.½ of the SW.¼ and the SW.¼ of the NW.¼ of sec. 18.

Small stream in Rat Hole Canyon; NE.¼, N.½ of the NW¼ of sec. 25. SW.¼ of the SW.¼ of sec. 24. E.½ of the SE.¼, NW.¼ of the SE.¼, NE.¼ of the SW.¼, S.½ of the NW.¼, of sec. 23. W.½ of the SE.¼, NE.¼ of the SE.¼, S.½ of the NE.¼, SE.¼ of the SW.¼ of sec. 15. N.½ of the NW.¼, SE¼ sec. 22. S.½ of the NE.¼, E½ of the NW.¼, N.½ of the NW.¼ of sec. 21. N.½ of the NE.¼, NE.¼ of the NW.¼ of sec. 20. S.½ of the SW.¼, of sec. 17. S.½ of the SE.¼ and the SE.¼ of the SW.¼ of sec. 18.

Small spring; NE.¼ of the SE.¼ of sec. 12.

Small spring; SE.¼ of the NE.¼ of sec. 15.

Small spring; S.½ of the NE.¼ of sec. 15.

Small spring; NE.¼ of the SE.¼ of sec. 21.

Small spring; NW.¼ of the NW.¼ of sec. 9.

Large spring; SE.¼ of the SW.¼ of sec. 18.

Ralph Gurley

U.S. Cadastral Engineer.

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FIELD ASSISTANTS.

NAMES.	CAPACITY.
Harry Elliott	Chainman
Louis Postma	Chainman
Francis Willes	Cornerman
Carter Dutton	Flagman

6—2764

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

I, Ralph Gentry, Cadastral Engineer, U. S. ~~Surveyor~~, hereby certify upon honor that, in pur
of special instructions received from the U. S. Surveyor General for Utah
bearing date of the 6th day of August, 195 , I have well, faithfully, and
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying In
tions, and the laws of the United States, surveyed all those parts or portions of the north boun
east boundary, west boundary and subdivision of T. 14 S., R. 25 E
of the Salt Lake Be
and Meridian, in the State of Utah, which are represent
the foregoing field notes and date diagram as having been executed by me, and under my direction; on dates as shown on dia
and that all the corn
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Ins
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 not
such survey.

Washington, D. C. April 7, 1920 Ralph Gentry
U. S. ~~Surv~~
Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Jan. 29 19

The foregoing field notes of the survey of the north, east, and west boundaries and the subdivisional lines of Township No. 14 South, Range No. 25 East, of the Salt Lake Base and Meridian, Utah,

executed by Ralph Gentry

under ~~his~~ special instructions dated August 6, 1915, ~~101~~ , having b
critically examined, and the necessary corrections and explanations made, the said field notes, and the surv
they describe, are hereby approved.

C. Thoresen
U. S. Surveyor Gener

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 Genera

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BOOK A-442

4—679

I.

U. S. Surveyor General's Office
APR 22 1920
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE SURVEY OF THE

NORTH BOUNDARY AND SUBDIVISION OF T. 14 S., R. 26 E., AND THE RETRACEMENT OF THE UTAH-COLORADO STATE BOUNDARY FROM THE 176 TH. MILE POST TO THE 182 ND. MILE POST.

Of the SALT LAKE BASE AND *Meridian,*

the State of UTAH

EXECUTED BY

RALPH GENTRY

the capacity of U. S. ~~*Surveyor*~~ Cadastral Engineer, *under Special Instructions dated* August 6, *191*5,

ued by the United States Surveyor General to govern surveys included in Group

o. 41, *which were approved by the Commissioner of the General Land*

fice, August 23, *191*5, *and Assignment Instructions dated* June 12, *191*9 Supplemental.

Survey commenced July 3, *191*9

Survey completed July 30, *191*9

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Examinations Classified

A Plat F.B.J. V.I.F. Notes F.B.J.

B Computations V.I.F.

Comparing

C Plat H.R.M.A. Notes K.F.B.

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INDEX DIAGRAM.

Township 14 S, Range 26 E

182 mP

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176 mP.

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Rhodenmer lots covered by Lin 176 to 182 mP Pages 329-331

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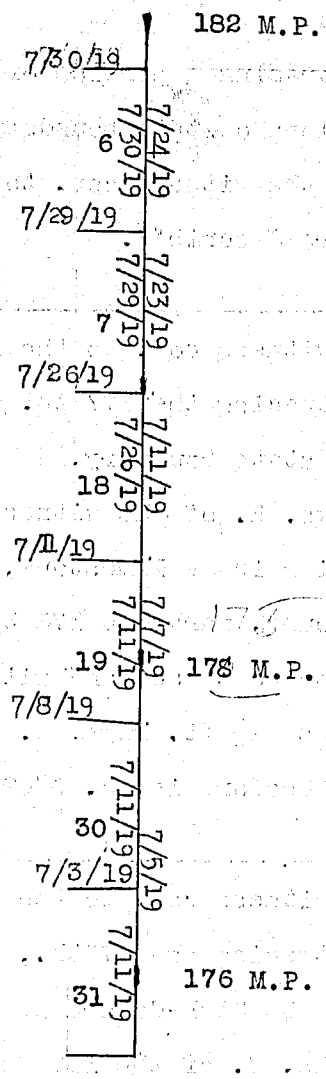
DATE DIAGRAM OF T. 14 S., R. 26 E.



Survey commenced July 3, 1919 and executed with Buff and Buff solar transit No. 8028. The instrumettis equipt with full vertical circle and Smith solar attachment. The horizontal limbs are provided with two double verniers, placed opposite each other and redding to a single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for Utah, in supplemental assignment instructions dated June 12, 1919.

For full description and test of instrument, see notes pretaining to the survey of T. 14 S., R. 25 E.

RETRACEMENT OF THE UTAH-COLORADO STATE BOUNDARY.

chains

From the closing cor. of Ts. 14 and 15 S., heretofore described.

North, retracing a portion of the 176 th. mile of the Utah- Colorado state boundary.

44.76 Intersect the witness cor. to the 176 th. mile post, heretofore described.

From the witness cor. to the 176 th. mile post.

North, retracing the 177 th. and 178th. miles of the Utah Colorado state boundary.

153.27 Fall 40 lks. E. of the witness cor. to the 178 th. mile post, which is a limestone, firmly set, 30 x 14 x 6 ins above ground, marked U 178 3/16 on W. face, 1885 on N. face, C on east face and witnessed by a mound of stone, 2 ft. base, 1½ ft. high, N. of cor., 3 ft. dist. The course therefore is, N. 0°09' W. and the dist. is 153.27

From the witness cor. to the 178 th. mile post.

North, retracing the 179th., 180th, 181 st. and the 182 nd miles of the Utah-Colorado state boundary.

303.09 Fall 53 lks. W. of the 182 nd. mile post, which is a sandstone, 18 x 12 x 4 ins. above a mound of stone, dimli marked U on W. face, C on E. face, 1885 on N. face, 182 N on S. face and witnessed by a mound of stone, 2 ft. base, 1½ ft. high, N. of cor., 3 ft. dist. The course therefore is, N. 0°06' E. and the dist. is 303.09 chs.

capital?

RETRACEMENT OF THE UTAH-COLORADO STATE BOUNDARY AND ESTABLISHMENT OF ¼ SEC. CORS. ON THE EAST BOUNDARY OF T. 14 S., R. 26 E.

From the closing cor. of Ts. 14 and 15 S., R. 26 E., heretofore described.

North, along a portion of the 176 th. mile of the Utah-Colorado state boundary.

Ascend abruptly over rough mountainous land, through

RETRACEMENT OF THE UTAH-COLORADO STATE BOUNDARY

AND

ESTABLISHMENT OF ¼ SEC. CORS. ON THE E. BDY. OF T. 14 S., R. 26 E.

chains

sodense undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.

10.11 Head of hollow, 320 ft. above the closing township cor., course S. 20° W.; continue abrupt ascent.

39.98 On rolling land, 670 ft. above hollow, point midway bet. the closing cor. of Ts. 14 and 15 S., R. 26 E. and the closing cor. of secs. 30 and 31.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. for sec. 31 only, with a brass cap marked

U
¼ S31 | C
1919

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
No bearing trees available.

40.26 Top of divide bet. Bitter Creek and Rat Hole Canyons, same level as the ¼ sec. cor., bears E. and W.; descend gradually.

44.76 The witness cor. to the 176 th. mile post, 85 ft. below top of divide.

Land, mountainous with steep slope on S. portion, rolling top of divide on N. portion.

Soil, shallow coarse sandy loam, clay and loose rock.

Drainage, SW., into Fork of Bitter Creek.

Undergrowth, scattering sage, service and buck brush.

Timber, scattering cedar, pinon and red pine.

Good grazing on all of mile.

From the witness cor. to the 176 th. mile post.

N. 0°09' W., along the 177 th. and 178 th. miles of the Utah-Colorado state boundary.

Over rolling top of mountain, through undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.

0.00 Road, bears NW. and SE., enter sodense aspen, bears E. and W.

5.20 Point for closing cor. of secs. 30 and 31, hereinafter described.

56.25	Bottom of the S. fork of Rat Hole Canyon, 500 ft. belo point for closing cor.; drains NW.
56.95	Road, bears S. 30° E. and N. 30° W.
71.77	Point of spur, 180 ft. above canyon, projects W.
75.24	On gentle NW. slope, 45 ft. below top of spur, point midway bet the closing cors. for secs. 30 and 31 and 1 and 30.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in th ground, for ¼ sec. cor. for sec. 30 only, with a brass cap marked U ¼ S30 | C 1919
	From which,
	A red pine, 6 ins. dia., bears S. 53°45' W., 28 lks. dist., marked U ¼ S30 BT.
	A red pine, 6 ins. dia., bears N. 62°15' W., 24 lks. dist., marked U ¼ S30 BT.
81.15	Bottom of center fork of Rat Hole Canyon, 165 ft. below the ¼ sec. cor., course W.
92.57	Top of ridge, 340 ft. above canyon, bears E. and W.
102.57	Bottom of main fork of Rat Hole Canyon, 325 ft. below ridge, course S. 80° W.
103.77	Road, bears E. and W.
115.28	Point for closing cor. of secs. 19 and 30, hereinafter described.
118.70	Top of spur, 475 ft. above canyon, projects W.
140.50	Bottom of draw, 170 ft. below spur, course SW.
150.64	Top of ridge, 240 ft. above draw, bears E. and W., thenc over rolling top of ridge.
153.27	The witness cor. to the 178 th. mile post, heretofore described.
	Land, rough and mountainous.
	Soil, shallow course sandy loam, clay and loose rock.
	Drainage, W., by Rat Hole Canyon.
	Undergrowth, scattering sage, service and buck brush.
	Timber, scattering cedar, aspen, pinon and red pine.
	Good grazing.

chains	
	From the witness cor. to the 178 th. mile post.
	N. 0°06' E., along the 179 th., 180 th., 181 st. and the 182 nd. miles of the Utah-Colorado state boundary.
	Over rolling top of ridge, through dense undergrowth of sage, service and buck brush and scattering cedar, pinon, aspen and red pine timber.
2.00	On rolling top of ridge, point midway bet. the closing cors. for secs. 19, and 30 and 18 and 19.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. for sec. 19 only, with a brass cap marked
	U ¼ S19 | EC 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.
20.20	Road, bears E. and W.
30.00	Top of abrupt descent from ridge, bears E. and W.
39.80	Ravine, 200 ft. below top of ridge, course W., stream of good clear water, 3 lks. wide, 2 ins. deep, in bottom of ravine.
41.99	Point for the closing cor. of secs. 18 and 19, hereinafter described.
50.00	Top of ascent from ravine, 100 ft. above bottom, bears E. and W., thence over rolling top of ridge.
65.00	Find no trace of the old mile post.
67.15	Wire fence, bears E. and W.
71.00	Top of abrupt descent from rolling top of ridge into Tent canyon, bears NW. and SE.
78.00	Timber becomes dense, bears E. and W.
81.94	On steep N. slope, 110 ft. below top of ridge, point midway bet. the closing cors. of secs. 18 and 19 and 7 and 18.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. for sec. 18 only, with a brass cap marked

chains	
	U ¼ S18 C 1919
	From which,
	A red pine, 8 ins. dia., bears S. 51° W., 39 lks. dist., marked U ¼ S18 BT.
	A red pine, 8 ins. dia., bears N. 50° W., 42 lks. dist., marked U ¼ S18 BT.
96.50	Net wire fence at the bottom of Tent Canyon, 400 ft. bel the ¼ sec. cor., leave timber, bears E. and W., thence over rolling bottom of canyon.
97.25	Road, bears E. and W.
98.00	Wash, 50 lks. wide, 8 ft. deep, course W.
101.65	Net wire fence, bears E. and W., leave bottom of canyon and ascend abruptly through dense cedar, pinon and red pine timber, bears E. and W.
120.00	Top of abrupt ascent, 520 ft. above canyon, bears E. and undergrowth becomes dense and timber scattering, bears E. and W., thence over rolling top of mountain.
121.89	Point for the closing cor. of secs. 7 and 18, hereinafter described.
139.00	Top of abrupt descent from mountain into ravine, bears N. 75° E. and S. 75° W.
145.00	Find no trace of the old mile post.
153.10	Ravine, 300 ft. below top of mountain, course S. 75° W.
161.86	On steep S. slope, 215 ft. above ravine, point midway bet. the closing cors. of secs. 6 and 7, and 7 and 18. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. for sec. 7 only, with a brass cap marked
	U ¼ S7 C 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. No suitable bearing trees available.
166.00	Top of abrupt ascent from ravine, 40 ft. above the ¼ sec. cor., bears SE. and NW., thence over rolling top of mountain.

RETRACEMENT OF THE UTAH-COLORADO STATE BOUNDARY

AND

ESTABLISHMENT OF ¼ SEC. CORS. ON THE E. BDY. OF T. 14 S., R. 26 E.

chains	
176.00	Top of gradual descent, bears E. and W.
178.00	Road, bears NW. and SE.
184.40	Head of ravine, 65 ft. below top of mountain, course NE.
201.83	Point for the closing cor. of secs. 6 and 7, hereinafter described.
225.99	Findrno trace of the old mile post.
241.83	On rolling land, 60 ft. above head of ravine, point 40.00 chains north of the closing corner of sections 6 and 7, hereinafter described.
	Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to solid rock and 6 ins. in a mound of stone, for ¼ sec. cor. for sec. 6 only, with a brass cap marked
	U ¼ S6 | C 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No bearing trees available.
259.00	Top of abrupt descent over N. end of spur.
260.00	Timber becomes dense, bears E. and W.
279.30	Wash, 30 lks. wide, 5 ft. deep, in bottom of canyon, 490 ft. below the ¼ sec. cor., course N. 30° E.; ascend.
281.71	The point for the closing cor. of Ts. 13 and 14 S., R. 26 E., hereinafter described.
303.09	The 182 nd. mile post, heretofore described, 110 ft. above canyon.
	Land, rolling tops of mountains with steep slopes.
	Soil, shallow coarse sandy loam, hard clay and loose rock.
	Drainage, W.
	Undergrowth, scattering and dense sage, service and buck brush on portions. of miles.
	Timber, scattering and dense cedar, pinon, aspen and red pine on portions of mile.
	Good grazing.

chains.

From the cor. of Ts. 13 and 14 S., Rs. 25 and 26 E., heretofore described.

East, bet. secs. 6 and 31.

Ascend gradually over mountainous land, through dense undergrowth of sage, service and buck brush and scatteri cedar, pinon and red pine timber.

6.00 Top of spur, 95 ft. above cor., projects N., thence over rolling top of spur.

14.00 Top of abrupt descent from spur, bears N. and S.; enter dense timber.

26.60 On steep E. slope, 430 ft. below top of spur.

Intersect the Utah-Colorado state boundary.

At point of intersection.

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for closing cor. of Ts. 13 and 14 S., R. 26 E., with a brass cap marked

T13S
R26E
S31 C
U C
S6 C
T14S

1919

From which,

A red pine, 7 ins. dia., bears S. 65° W., 51 lks. dist., marked U T14S R26E S6 BT.

A cedar, 5 ins. dia., bears N. 44° W., 33 lks. dist., marked U T13S R26E S31 BT.

From this cor., the 182 nd. mile post of the Utah-Colorado state boundary bears N. 0°06' E., 21.38 chs. dist.

Land, rough and mountainous.

Soil, shallow coarse sandy loam, hard clay and loose rock.

Drainage, NE.

Undergrowth, dense sage, service and buck brush.

Timber, scattering cedar, pinon and red pine.

Good grazing on all of mile.

SUBDIVISION OF T. 14 S., R. 26 E.

chains

From the cor. on the W. bdy. of the township, for secs. 25, 30, 31 and 36, heretofore described.

East, bet. secs. 30 and 31.

Over rolling top of ridge, through scattering undergrowth of sage, service and buck brush.

12.00 Top of descent from ridge, bears N. and S., undergrowth becomes dense, bears N. and S.

16.00 Enter dense aspen timber, bears N. and S.

22.90 Draw, 250 ft. below cor., course NE.; ascend.

26.40 On gentle NW. slope, 45 ft. above draw.

Intersect the Utah-Colorado state boundary, N. 0°09' W., 35.20 chs. dist. from the witness cor. to the 176 th. mile post.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for the closing cor. of secs. 30 and 31, with a brass cap marked

T14S
R26E
S30 C
U C
S31 C
1919

From which,

A aspen, 8 ins. dia., bears S. 10° W., 39 lks. dist., marked U T14S R26E S31 BT.

A aspen, 6 ins. dia., bears N. 85° W., 50 lks. dist., marked U T14S R26E S30 BT.

Land, rolling mountain tops and steep slopes.

Soil, shallow sandy loam, hard clay and loose rock.

Drainage, NE., into Rat Hole Canyon.

Undergrowth, scattering sage, service and buck brush on W. 12.00 chs. scattering sage and dense service and buck brush remainder of mile.

Timber, dense aspen on E. 10.40 chs.

Good grazing on all of mile.

SUBDIVISION OF T. 14 S., R. 26 E.

Chains	
	From the cor. on the W. bdy. of the township, for secs. 19, 24, 25 and 30, heretofore described.
	East, bet. secs. 19 and 30.
	Descend abruptly over rough mountainous land, through scattering undergrowth of sage, service and buck brush and scattering pinon and red pine timber.
12.50	Bottom of gulch, 330 ft. below cor., course SW.; ascend.
26.30	On steep W. slope, 175 ft. above gulch.
	Intersect the Utah-Colorado state boundary, S. 0° 09' E., 37.99 chs. dist. from the witness cor. to the 178 th. mile post.
	At point of intersection.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 19 and 30, with a brass cap marked

T14S
R26E
S19 C
U S30 C C
1919

From which,

A red pine, 12 ins. dia., bears S. 65° W., 50 lks. dist., marked U T14S R26E S30 BT.

A red pine, 6 ins. dia., bears N. 65°45' W., 46 lks. dist., marked U T14S R26E S19 BT.

Land, rough and mountainous.

Soil, shallow sandy loam, hard clay and loose rock.

Drainage, SW., into fork of Rat Hole Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, scattering pinon and red pine.

Good grazing on all of mile.

From the cor. on the W. bdy. of the township, for secs. 13, 18, 19 and 24, heretofore described.

East, bet secs. 18 and 19.

Descend over rough mountainous land, through dense

SUBDIVISION OF T. 14 S., R. 26 E.

chains

undergrowth of sage, service and buck brush and dense aspen and scattering red pine timber.

18.00 Draw, 105 ft. below cor., course NW., leave timber, bears N. and S.

26.20 On gentle SW. slope, 75 ft. above draw.

Intersect the Utah-Colorado state boundary, N. 0°06' E., 41.99 chs. dist. from the witness cor. to the 178 th. mile post.

At point of intersection.

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

T14S
R26E
S18C
U — C
S19C

1919

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

Land, rough and mountainous.

Soil, shallow sandy loam, hard clay and loose rock.

Drainage, NW., into Tent Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, dense aspen and scattering red pine on W. 8.40 chs.

Good grazing on all of mile.

From the cor. on the W. bdy. of the township, for secs. 7, 12, 13 and 18, heretofore described.

East, bet. secs. 7 and 18.

Over rolling top of spur, through scattering undergrowth of sage, service and buck brush and scattering cedar, pinon and red pine timber.

26.27 Intersect the Utah-Colorado state boundary, N. 0°06' E., 121.89 chs. dist. from the witness cor. to the 178 th. mile post.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 7 and 18, with a brass cap marked.

chains

T14S
R26E
S7 C
U S18 C C
1919

From which,

A cedar, 5 ins. dia., bears S. 42°45' W., 138 lks. dist., marked U T14S R26E S18 BT.

A red pine, 8 ins. dia., bears N. 62°15' W., 394 lks. dist., marked U T14S R26E S7 BT.

Land, rolling top of spur.

Soil, shallow sandy loam, hard clay and loose rock.

Drainage, SW., into Tent Canyon.

Undergrowth, scattering sage, service and buck brush.

Timber, scattering cedar, pinon and red pine.

Good grazing on all of mile.

From the cor. on the W. bdy. of the township, for secs. 1, 6, 7 and 12, heretofore described.

East, bet. secs. 6 and 7.

Descend gradually over mountainous land, through scatteri[illegible] undergrowth of service, sage and buck brush.

5.00 Road, bears NE. and SW.

9.50 Head of ravine, 50 ft. below the sec. cor., course S. 5° [illegible]

11.80 Road, bears NW. and SE.

26.45 On rolling land, 45 ft. above head of ravine.

Intersect the Utah-Colorado state boundary, S. 0°06' W., 101.26 chs. dist., from the 182 nd. mile post.

A point of intersection.

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

T14S
R26E
S6 C
U S7 C C
1919

SUBDIVISION OF T. 14 S., R. 26 E.

chains.

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

Land, rolling tops of mountains.

Soil, shallow sandy loam, hard clay and loose rock.

Drainage, S. 5° W.

Undergrowth, scattering sage, service and buck brush.

No timber.

Good grazing on all of mile.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Line designated	True bearing	Distances	Latitudes N. Chs.	Latitudes S. Chs.	Departures E. Chs.	Departures W. Chs.
Ut.-Col. St. Bdy.	North	44.76	44.76			
Ut.-Col. St. Bdy.	N.0°09'W.	153.27	153.27			.40
Ut.-Col. St. Bdy.	N.0°06'E.	281.71	281.71		.49	
N. bdy. of tp.	West	26.60				26.60
W. bdy. of tp.	South	480.00		480.00		
S. bdy. of tp.	East	26.22			26.22	
Convergency		.03				.03
			479.74	480.00	26.71	27.03
				479.74		26.71
				0.26		0.32

.49 .71 .32

GENERAL DESCRIPTION.

The land in this fractional township, consists of the tops of a high range of mountains which bear SE. and NW. It is covered with a scattering undergrowth of sage, service and buck brush and scattering cedar, aspen, pinon and red pine timber. This fractional township is used for a summer grazing range and is exceedingly good for this purpose.

A wire fence in sec. 19, was the only improvement found on the township.

A small portion of the Bottom of Tent Canyon is the only portion suitable for farming. No indications of mineral were found.

Ralph Gurley

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Page

WATER LOCATIONS, T. 14 S., R. 26 E.

Small stream, NW. $\frac{1}{4}$ of the NW. $\frac{1}{4}$ of sec. 19.

Small stream, W. $\frac{1}{2}$ of the NW. $\frac{1}{4}$, and the NW. $\frac{1}{4}$ of the SW $\frac{1}{4}$ of sec. 30.

Ralph Smiley

U.S. Cadastral Engineer.

Volume
#
R0442

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Page

BOOK A-442

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Harry Elliott	Chainman.
Louis Postma	Chainman.
Francis Willes	Cornerman.
Carter Dutton	Flagman.

BOOK A-442

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

I, Ralph Gentry, Cadastral Engineer, U. S. ~~Surveyor~~, hereby certify upon honor that, in purs

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the 6 th. day of August, 1915, I have well, faithfully, and

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying In

tions, and the laws of the United States, surveyed all those parts or portions of the north bou

and subdivision of T. 14 S., R. 26 E., S.L.B.& M., and retracement o

Utah-Colorado state boundary from the 176 th. mile post, to the 18

mile post.

of the Salt Lake Ba

and Meridian, in the State of Utah, which are represent

and date diagram on dates as shown on diagr

the foregoing field notes as having been executed by me, and under my direction; and that all the corn

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Ins

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 not

such survey.

Washington, D. C. April 7, 1920. Ralph Gentry

U. S. ~~Surv~~

Cadastral Engi

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 21, 1

The foregoing field notes of the survey of the north boundary and subdivisional lines of Township No. 14 South, Range No. 26 East of the Salt Lake Base and Meridian, Utah; and the retracement of the Utah-Colorado state boundary from the 176th to the 182d mile posts

executed by Ralph Gentry

under ~~his~~ special instructions dated August 6, 1915, having b

critically examined, and the necessary corrections and explanations made, the said ~~field notes~~ and retracements, and the surv

they describe, are hereby approved.

U. S. Surveyor Gener

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.

6—2764

U. S. Surveyor Gener

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U. S. Surveyor General's Office
MAR 13 1919
SALT LAKE CITY, UTAH

4—070

BOOK A-442

D.

FIELD NOTES

OF THE ~~SURVEY OF THE~~

RETRACEMENT AND RESURVEY OF THE EAST, NORTH, AND SOUTH BOUNDARIES; AND OF THE RETRACEMENT, RESURVEY, AND SURVEY OF THE SUBDIVISIONS OF T. 7 S., R. 3 W.,

Of the Salt Lake Base and ..... *Meridian,*

In the State of Utah

EXECUTED BY

Joseph C. Thoma,

In the capacity of U. S. Surveyor, *under instructions dated* October 18, *1916*, *issued by the United States Surveyor General to govern surveys included in Group No.* 59, *which were approved by the Commissioner of the General Land Office,* November 24, *191* 6.

Assignment instructions dated June 19, 1917.

Survey commenced June 25, *191* 8.

Survey completed October 14, *191* 8.

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BOOK A-442

INDEX DIAGRAM.

Township 7 South, *Range* 3 West.

6	5 42	4 17 34	3	2	1 12
7	8 40	9 54 55	10 32	11 30 31 29	12 11
18	17 39	16 49 52	15 54 59	14 58 57 28	13 10
19	20 38	21 48 47	22 69	23 70 68 24	24 10
30	29 36	28 37 51 46	27 66	26 67 65 22	25 6
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INDEX DIAGRAM.

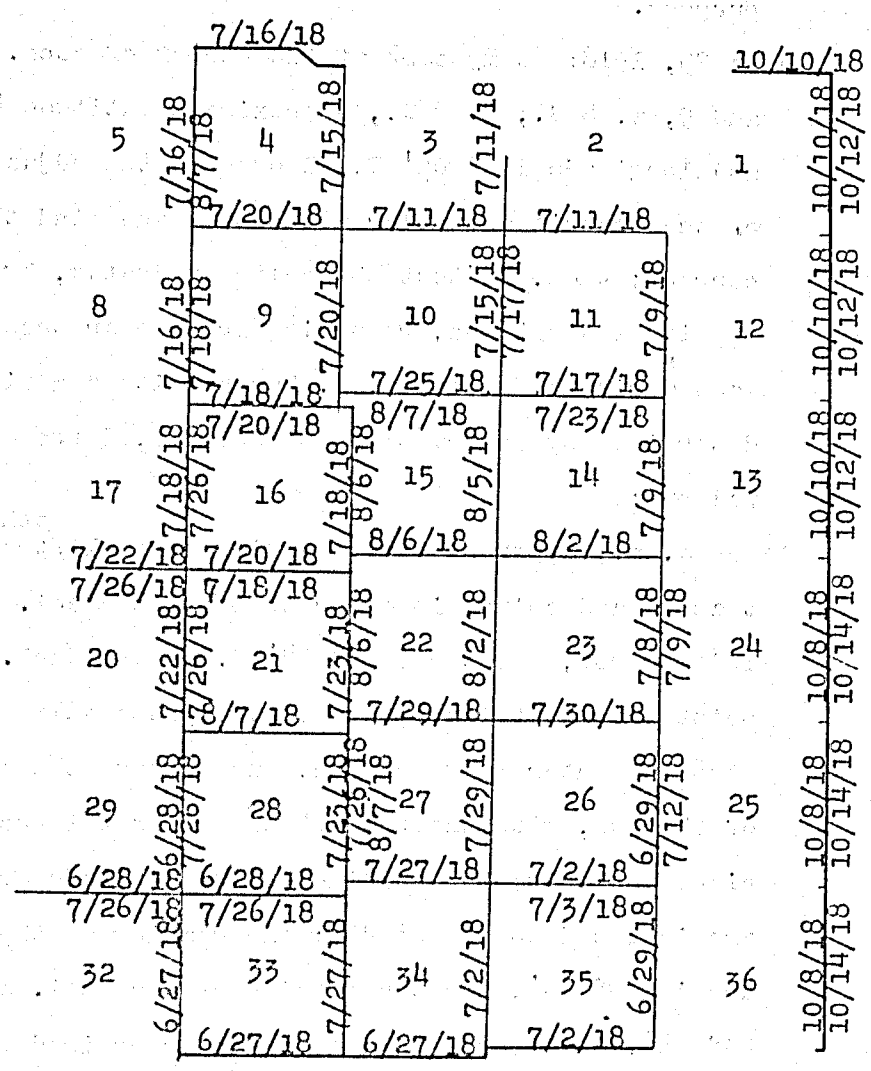
Township 7 S, Range 3 W

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

6—1317

DATE DIAGRAM.

T. 7 S., R. 3 W.



Survey commenced June 25, 1918, and executed with Buff & Buff tranist No. 9218, with Smith solar attachment and full vertical circle. 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 vertical circle.

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

A steel tape 5 chs. long was used in making all measurements, together with clindmeter for determining slope angles. The tape was tested, comparison being made

with a standard steel tape, 1 chain long, kept for t purpose.

June 25, 1918: At my camp at the corner of secs. 4, 5, and 9, T. 8 S., R. 2 W., approximate latitude 40° 09 and longitude 112° 05' W., I examine the adjustments of the transit and solar attachment and find them correct; then, to test the solar apparatus, by compar ing its indications, resulting from solar observatio made during a. m. and p. m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At 8h a. m., apparent time. Having made all other tests of t transit and solar, in order to test the decl. arc for index error, I set off 23° 24' N. on the decl. arc; point transit telescope to sun, depress solar telesco also to center image of sun, and observe the altitude of the sun, with the transit and solar telescopes simultaneously; the reading of the altitude or vertic arc is found to be 36° 43'; the reading of the latitu arc is 29° 53', and the reading of the decl. arc is 23° 24'. This test shows no index error in declinatio arc.

At 9h a. m., app. t., I set off 23° 24' N. on the decl. arc; 40° 9' N. on the lat. arc, and determine a meridi with the solar and mark a point thereof on a stake driven firmly in the ground approximately 10 chs. N. of my station.

I make the following noon observation of the sun for tim

	Watch time of sun's trans
	h. m. s.
Sun's W. limb, ...	1 29 10
Sun's E. limb, ...	1 31 30
Mean, ...	1 30 20

Apparent noon,	12h 00m 00s
Equation of t., .	2 15
L.M.T. of app. noon, .	12h 02m 15s
Watch t. app. noon, . .	1 30 20
Watch fast l. m. t., .	1h 28m 05s

I set off 23° 24' N. on the decl. arc and at app. noon observe the sun on the meridian, the resulting lat. is

Instrument Tests, T. 7 S., R. 3 W.

40° 9' N. I also note that the vertical arc reading, with the telescope pointing to the sun's center, reads 73° 15'. This checks the latitude as obtained by the solar, also the plat latitude.

I set off 40° 9' N. on the lat. arc; 23° 24' N. on the decl. arc, and at 3h, p. m., app. t., determine a meridian with the solar. The meridian thus determined falls 1' E. of the meridian as determined by my a. m. solar.

June 25, 1918, I observe Polaris as follows, using the solar meridian as obtained by my a. m. solar for a reference line.

Tel. Dir.	Hor. Angle. °	'	"	Watch time. h.	m.	s.	
Star, . . .	0	3	00	8	56	30	p. m.
Flag, . . .	0	0	00				
Star, . . .	0	4	00	8	58	30	
Flag, . . .	0	0	00				
Rev.							
Star, . . .	0	6	00	9	00	50	
Flag, . . .	0	0	00				
Star, . . .	0	7	00	9	02	10	
Flag, . . .	0	0	00				
Mean, . . .	0	5	00	8	59	30	p. m.
Watch fast l. m. t., ...				1	28	05	
L. m. t. of obsn., . . .				7h	31m	25s	p.m.

U.C. Pol. June 25, 1918, 7h 20.3m. a. m.
Red. for long., ... - 1.2
U.C. Pol. at station, . 7h 19.1m. a. m.

Hour angle of Polaris, 12h 12.3m.

Eastern azimuth of Polaris 0° 5' 24"
Angle E., flag to star, . . 0 5 00
Flag bears, ... N. 0° 0' 24" E.

The solar apparatus by a. m. and p. m. observations defines positions for meridians that do not vary more than 1' in arc from meridians established by observations on Polaris. I therefore conclude that the adjustments of the instrument are satisfactory.

June 25, 1918.

RESURVEY OF THE E. BDY. OF T. 7 S., R. 3 W.

From the cor. of Ts. 7 and 8 S., Rs. 2 and 3 W., which is A quartzite rock, 10x7x8 ins. above ground, firmly set; mkd. as described by the surveyor general.

N. 0° 12' W., on resurvey line bet. secs. 31 and 36, T.

RESURVEY OF THE E. BDY. T. 7 S., R. 3 W.

Chains.

7 S., Rs. 2 and 3 W.

A flag on the ¼ sec. cor. being plainly visible.

Desc. gradually over gently rolling land, through sage-brush undergrowth.

40.07 The ¼ sec. cor. bet. secs. 31 and 36, which is

A sandstone, 10x7x4 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 36 | S 31

1918

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

The course of this half mile is therefore N. 0° 12' W., and the dist. is 40.07 chs.

From the ¼ sec. cor.,

North, with continuous measurement.

80.36 Intersect the cor. of secs. 25, 30, 31 and 36, which is

A limestone, 8x6x10 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. 25, 30, 31 and 36, with brass cap mkd.

T 7 S

R 3 W | R 2 W

S 25 | S 30

S 36 | S 31

1918

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

The course of this half mile is therefore North, and the dist. is 40.29 chs.

Land, gently rolling.

Soil, light sandy loam, approximately 18 ins. deep on light clay subsoil; rocky in places.

RESURVEY OF THE E. BDY. T. 7 S., R. 3 W.

Chains.

Timber, none.

Undergrowth, dense sagebrush.

Fair grazing. Eastern exposure.

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

N. 0° 11' W., on resurvey line bet. secs. 25 and 30.

A flag at the ¼ sec. cor. being plainly visible.

Asc. gradually over gently rolling land, through dense sagebrush, bunch grass and Russian thistle undergrowth.

9.40 Wash, 5 lks. wide, 10 ft. deep, drains E.; continue asc.

40.47 Intersect the ¼ sec. cor., which is

A sandstone, 11x8x4 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 25 | S 30

1918

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

The course of this half mile is therefore N. 0° 11' W., and the dist. is 40.47 chs.

Continue same line with continuous measurement and at 80.71 chs. fall 170 lks. W. of the cor. of secs. 19, 24, 25 and 30, lying loosely on the ground on the edge of a small draw draining SE. A limestone, 22x8x4 ins., mkd. with 2 notches on one and four notches on the opposite edge. This corner evidently being out of its original position, I continue my line and at 121.17 chs. fall 5 lks. W. of the ¼ sec. cor. bet. secs. 19 and 24. (For description, see succeeding mile.)

The course of this line is therefore N. 0° 9' W., and the dist. is 80.70 chs., making the proportionate dist. for each half mile 40.35 chs.; therefore offset 2 lks. E. and at

80.82 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, with the stone cor. alongside, for the

RESURVEY OF THE E. BDY. OF T. 7 S., R. 3 W.

Chains.

restored cor of secs. 19, 24, 25 and 30, with brass cap mkd.

T 7 S
R 3 W | R 2 W
S 24 | S 19
S 25 | S 30

1918

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

The course of this halfmile is therefore N. 0° 9' W., and the dist. is 40.35 chs.

Land, gently rolling.

Soil, light sandy loam, approximately 2 ft. deep on cla and gravel subsoil, rocky in places.

Timber, none.

Undergrowth, sagebrush, bunch grass and Russian thistle

The land along this line shows indications as having been plowed at some previous date.

General eastern exposure. Fair grazing.

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

N. 0° 9' W. (For derivation of course, see preceding page) on resurvey line bet. secs. 19 and 24.

Asc. gradually over gently rolling land, through dense sagebrush, bunch grass and Russian thistle undergrowth

40.35 Intersect the ¼ sec. cor. which is

A limestone, (broken) 12x9x4 ins., along side of which is set a sandstone, 9x7x3 ins. above ground, both cors firmly set along side of each other and mkd. ¼ on the W. faces.

Along side of both

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 19

1918

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

RESURVEY OF THE E. BDY. OF T. 7 S., R. 3 W.

Chains.	
	The course of this half mile is therefore N. 0° 9' W., and the dist. is 40.35 chs.
	From the ¼ sec. cor.
	N. 0° 15' W., on retracement line.
40.12	Fall 75 lks. W. of the cor. of secs. 13, 18, 19 and 24, which is
	A limestone, 12x10x4 ins. lying on the ground, mkd. with 3 notches on opposite edges.
	Continue same line with continuous measurement.
80.12	Leave temp. point. Find ¼ sec. cor. in pile of stone which had been gathered while clearing the lands to the east of line. The cor. stone was found approximately 70 lks. north and 30 lks. east of the temp. point.
	Continue same line with continuous measurement.
120.91	Fall 56 lks. W. of the cor. of secs. 7, 12, 13 and 18, which is
	A limestone, 8x6x8 ins. lying on the ground, mkd. with 2 notches on one and 4 notches on opposite edges.
	Continue same line with continuous measurement.
160.91	After diligent search, find no evidence of the ¼ sec. cor. Point falls in cultivated land. Leave temp. point.
201.20	Fall 57 lks. W. of
	An iron post, 2 ins. diam., 12 ins. above ground, firmly set, with brass cap not mkd. This post is said to have been established by the county surveyor as the cor. of secs. 1, 6, 7 and 12.
	Continue same line with continuous measurement.
201.46	Fall 130 lks. W. of
	A limestone, 6x8x4 ins. above ground, firmly set; mkd. with 1 notch on the S. and 5 notches on the N. edges.
	Continue same line with continuous measurement.
241.57	Fall 53 lks. W. of the ¼ sec. cor. bet. secs. 1 and 6, which is
	A limestone, 4x4x4 ins. above ground, firmly set; mkd. ¼ on the W. face, along side of which is set

RETRACEMENT OF THE E. BDY. OF T. 7 S., R. 3 W.

Chains.

An iron post, 2 ins. diam., 12 ins. above ground, with brass cap not mkd. This post is said to have been established by the county surveyor.

Continue same line with continuous measurement.

280.22 Record dist. from the ¼ sec. cor. bet. secs. 19 and 24, leave temp. point.

From this temp. point

A limestone, 9x6x12 ins. above ground, firmly set, mkd. with 6 notches on each edge, bears North 205 lks. and West 21 lks. This is evidently the original twp. cor. stone.

From the temp. point

An iron post, 2 ins. diam., 12 ins. above ground, firmly set, said to have been established by the county surve bears North 207 lks. and East 36 lks.

The land on either side of this twp. line, from the ¼ se cor. bet. secs. 19 and 24, to the twp. cor. has been cleared and plowed, and prior to the cultivation of th land, sheep grazed over it in large herds for years. Old settlers familiar with the corner locations in thi vicinity acknowledge that several of the corners are out of their original positions, including the twp. cor. Knowing these facts, and after a careful examinations of the conditions existing in the field, the old cors. where found would not warrant accepting them as being in their original positions. Therefore, I restore the twp. cor. and intervening cors. by proportional measurement, using the nearest cors. which I am satisfied have never been disturbed.

The above temp. point I designate "A".

A point set 40.00 chs. east (record) from the ¼ sec. cor. bet. secs. 1 and 36, Tps. 6 and 7 S., R. 3 W., I designate "B".

This ¼ sec. cor. is

A limestone, 10x12x6 ins. above ground, firmly set; mkd.

RETRACEMENT OF THE E. BDY. T. 7 S., R. 3 W.

Chains.

¼ on the N. face.

A point set 80.00 chs. South (record) from the cor. of secs. 25, 30, 31 and 36, T. 6 S., Rgs. 6 and 7 W., I designate "C".

This cor. is

A sandstone, 16x6x6 ins. above ground, firmly set; mkd. with 5 notches on the N. and 1 notch on the S. edges.

The ¼ sec. cor. bet. secs. 31 and 36 was found but not used as it had every indication of having been moved.

A point set 160.00 chs. West (record) from the cor. of secs. 4, 5, 32 and 33, Tps. 6 and 7 S., R. 6 W., I designate "D".

The sec. cor. is

A sandstone, 12x6x4 ins. above ground, firmly set; mkd. with 2 notches on the W. and 4 notches on the E. edges.

There were no intervening cors. found on this line.

From "A", "B" bears N. 14° 22' W., 214 lks.

From "C", "D" bears S. 63° 48' E., 140 lks.

I establish "E", N. 14° 22' W., 187.5 lks. from "A".

I establish "F", N. 63° 48' W., 93 lks. from "D".

From "E", "F" bears N. 52° 13' E., 86 lks.

I restore the cor. of Tps. 6 and 7 S., Rgs. 2 and 3 W., N. 52° 13' E., 34 lks. from "E".

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground for the cor. of Tps. 6 and 7 S., Rgs. 2 and 3 W., with brass cap mkd.

T 6 S
R 3 W | R 2 W
S 36 | S 31
S 1 | S 6
T 7 S
1918

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

I set the mkd. stone twp. cor. alongside of post.

The course of the line bet. the ¼ sec. cor. for secs. 19 and 24 and the twp. cor. is therefore N. 0° 17' W., and the proportional dist. for each half mile is 40.29 chs., except the N. half mile bet. secs. 1 and 6, which

Chains.

is 40.50 chs.

The course of the line bet. the ¼ sec. cor. for secs. 1 and 36 and the twp. cor. is S. 89° 55' E., and the dist. is 40.34 chs.

The course of the line bet. the cor. of secs. 25, 30, 31 and 36 and the twp. cor. is South, and the dist. is 80.53 chs.

The course of the line bet. the cor. of secs. 4, 5, 32 and 33 and the twp. cor. is N. 89° 58' W., and the proportional dist. for each mile is 80.62 chs.

From the ¼ sec. cor. bet. secs. 19 and 24.

N. 0° 17' W., on resurvey line bet. secs. 19 and 24.

Asc. gradually over gently rolling land, through sagebrush bunch grass and Russian thistle undergrowth.

40.29 Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. of secs. 13, 18, 19 and 24, with brass cap mkd.

T 7 S
R 3 W | R 2 W
S 13 | S 18
S 24 | S 19
1918

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Set mkd. stone along side of post.

Land, gently rolling.

Soil, light sandy loam, more than 2 ft. deep, rocky.

Timber, none.

Undergrowth, dense sagebrush, bunch grass and Russian thistle.

General eastern exposure. Fair grazing.

From the restored cor. of secs. 13, 18, 19 and 24.

N. 0° 17' W., on resurvey line bet. secs. 13 and 18.

Asc. gradually over gently rolling land, through dense sagebrush, bunch grass and Russian thistle undergrowth.

RESURVEY OF THE E. BDY. OF T. 7 S., R. 3 W.

Chains.	
40.29	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 13 | S 18 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
80.58	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. of secs. 7, 12, 13 and 18, with brass cap mkd.
	T 7 S R 3 W | R 2 W S 12 | S 7 S 13 | S 18 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Set the mkd. stone alongside of cor.
	Land, gently rolling.
	Soil, light sandy loam, more than 2 ft. deep on rocky subsoil.
	Timber, none.
	Undergrowth, dense sagebrush, bunch grass and Russian thistle.
	General eastern exposure. Fair grazing.

	From the cor. of secs. 7, 12, 13 and 18.
	N. 0° 17' W., on resurvey line bet. secs. 7 and 12.
	Desc. gradually over gently rolling land, through dense sagebrush, bunch grass and Russian thistle undergrowth.
36.50	Wash, 10 lks. wide, 10 ft. deep, drains E., enter plowed land.
40.29	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 12 | S 7 1918

RESURVEY OF THE E. BDY. OF T. 7 S., R. 3 W.

Chains.

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

60.00 Leave cultivated land, enter dense sagebrush undergrowth, bears E. and W.

80.58 Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. of secs. 1, 6, 7 and 12, with brass cap mkd.

T 7 S.

R 3 W	R 2 W
S 1.	S 6
S 12	S 7

1918

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

Land, gently rolling.

Soil, light sandy loam, 2 to 4 ft. deep.

Timber, none.

Undergrowth, dense sagebrush, bunch grass and Russian thistle. No undergrowth on cultivated portion.

General eastern exposure.

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

N. 0° 17' W., on resurvey line bet. secs. 1 and 6.

Asc. gradually over gently rolling land, through dense sage brush undergrowth.

40.29 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor. for secs. 1 and 6, with brass cap mkd.

¼

S 1	S 6

1918

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

80.79 The restored cor. of Tps. 6 and 7 S., Rgs. 2 and 3 W.

Land, gently rolling.

Soil, light sandy loam, 2 to 4 ft. deep.

Timber, none.

Undergrowth, sagebrush.

General eastern exposure.

RETRACEMENT OF THE S. BDY. OF T. 7 S., R. 3 W.

Chains.	
	From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the twp., which is
	An iron post, 3 ins. diam., 12 ins. above ground, firmly set, mkd. and witnessed as described by the surveyor general.
	West on retracement line along the N. bdy. of sec. 2.
	Asc. gradually over rolling mountainous land, through dense sagebrush undergrowth.
.20	Road to Topliff through Seven Mile Pass bears NW. and SE.
6.80	Ridge, bears N. and SE., 30 ft. above sec. cor.; desc. grad.
11.80	Old road, bears NW. and SE.
13.80	Wash, 40 lks. wide, 4 ft. deep, drains SE.; asc. gradually.
19.80	Spur, projects NE., 40 ft. above wash; desc. gradually.
28.70	Draw, drains NE., 20 ft. below spur; asc. gradually.
32.00	Spur, projects NE., 10 ft. above draw; desc. gradually.
33.00	Recross wash, 10 ft. below spur; drains NE. approximately 1 ch., thence SE.; asc. gradually.
34.30	Recross road to Topliff, bears NE. and SW.
40.21	Fall 6 lks. S. of the ¼ sec. cor., which is
	An iron post, 1 in. diam., 12 ins above mound of stone, firmly set; mkd. as described by the surveyor general.
	The course of this half mile is therefore N. 89° 55' W., and the dist. is 40.21 chs.
	Continue same line with continuous measurement.
62.90	Spur, projects S., 140 ft. above wash; desc. gradually.
67.40	Draw, drains SE., 40 ft. below spur; asc. gradually.
80.00	Fall 8 lks. S. of
	An iron post, 3 ins. diam. 18 ins. above ground, firmly set in mound of stone, for the cor. of secs. 34 and 35, with brass cap mkd.
	T. 7 S. | R. 3 W. S 34 | S 35 1913
	Mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
81.53	Fall 8 lks. S. of the NW. cor. of sec. 2, which is

RETRACEMENT OF THE S. BDY. T. 7 S., R. 3 W.

Chains.	
	An iron post, 2 ins. diam., 18 ins. above ground, firml set; mkd. as described by the surveyor general.
	The course of this half mile is therefore N. 89° 58' W and the dist. is 41.32 chs.
	Land, rolling mountainous.
	Soil, shallow clay and gravel; rocky and covered with liemstone boulders.
	Timber, none.
	Undergrowth, black and white sage and yellowtop.
	General southern exposure. Poor grazing.

	From the closing cor. bet. secs. 3 and 34, on the S. bdy. of the twp., which is
	An iron post, 3 ins. diam., 18 ins. above ground, firmly set in md. of stone, mkd. and witnessed as described by the surveyor general.
	From this cor. the NW. cor. of sec. 2 bears North, 5.60 chs. dist.
	West, on retracement line bet. secs. 3 and 34.
30.56	Fall 8 lks. S. of
	An iron post, 1 in. diam., 16 ins. above ground, loosely set, mkd. for the ¼ sec. cor. for secs. 3 and 34, with traces of pits and mound of earth. I subsequently change this cor. to A. P. and set it firmly in the grou
	The course of this line is therefore N. 89° 51' W., and the dist. is 30.56 chs.
	Continue same line with continuous measurement.
70.59	Fall 21 lks. S. of
	An iron post, 3 ins. diam., 16 ins. above ground, firmly set, mkd. for the cor. of secs. 33 and 34. This cor. was subsequently changed to A. P.
	The course of this half mile is therefore N. 89° 49' W., and the dist. is 40.03 chs.
	From the closing cor. bet. secs. 3 and 34.
	N. 89° 51' W., on resurvey line bet. secs. 3 and 34.

RESURVEY OF THE S. BDY. OF T. 7 S., R. 3 W.

Chains.	
	Asc. over rolling land, through white sage, shadscale and yellow top undergrowth.
6.60	Spur, projects S., 10 ft. above closing cor.; desc. grad.
30.56	The 1 in. iron post, mkd. for the ¼ sec. cor. for secs. 3 and 34. I destroy all mks. pertaining to ¼ sec. cor. and mark brass cap for A. P.
	Thence N. 89° 49' W., with continuous measurement.
38.47	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 34, with brass cap mkd.
	¼ S 34 / 1918
	Dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist.
40.50	Old road, bears N. 10° W. and S. 10° E.
60.50	Swale, drains SE., 60 ft. below spur; asc. gradually.
69.49	Subsequently the point for the cor. of secs. 33 and 34. (For establishment and description see notes of line bet. secs. 33 and 34).
70.59	The 3 in. iron post, mkd. for the cor. of secs. 33 and 34, the marks of which I destroy and mark brass cap A. P.
	Land, rolling.
	Soil, light clay, shallow and rocky.
	Timber, none.
	Undergrowth, sagebrush, shadscale, yellow top and white sage.
	General southwestern exposure. Limestone formation. Fair grazing.

	From the cor. of secs. 33 and 34, now an A. P.
	West, on retracement line bet. secs. 4 and 33.
	Asc. gradually over gently rolling land, through black and white sage and yellow top undergrowth.
6.33	Fall 2 lks. S. of the closing cor. for secs. 3 and 4, which is

RETRACEMENT OF THE S. BDY. OF T. 7 S., R. 3 E.

Chains.

An iron post, 2 ins. diam., 14 ins. above ground, firmly set, mkd. as described by the surveyor general.

10.50 Old road, bears NW. and SE.

21.40 Recross old road, nears NE. and SW.

28.30 Lor spur projects S., 20 ft. above cor.; desc. gradually.

40.06 Fall 14 lks. S. of the ¼ sec. cor. for secs. 4 and 33, which is

An iron post, 1 in. diam., 15 ins. above ground, firmly s mkd. as described by the surveyor general.

The course of this half mile is therefore N. 89° 48' W., and the dist. is 40.06 chs.

Continue same line with continuous measurement.

48.00 Swale drains NW., 30 ft. below spur; asc. gradually.

52.20 Road, bears NW. and SE.

65.10 Road, bears N. 10° E. and S. 10° W.

80.10 Fall 29 lks. S. of the cor. of secs. 4, 5, 32 and 33, which is

An iron post, 3 ins. diam., 24 ins. above ground, firmly set, mkd. and witnessed as described by the surveyor general.

The course of this half mile is therefore N. 89° 47' W., and the dist. is 40.04 chs.

Land, gently rolling.

Soil, light clay loam, more than 2 ft. deep on gravel subsoil.

Timber, none.

Undergrowth, black and white sage and yellow top.

General southwestern exposure. Limestone formation. Fair grazing.

RESURVEY OF A PORTION OF THE N. BDY.

From the cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the twp., which is

A limestone, 12x14x6 ins. above ground, firmly set; mkd. with 3 notches on E. and W. edges. Along side of which

RESURVEY OF THE N. BDY. OF T. 7 S., R. 3 W.

Chains.	
	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, Tps. 6 and 7 S., R. 3 W., with brass cap mkd.
	T 6 S R 3 W S 33 | S 34 S 4 | S 3 T 7 S 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within reasonable distance suitable for bearing trees.
	West, on resurvey line bet. secs. 4 and 33.
	Asc. gradually over rolling land, through scattering scrub cedar timber, dense sagebrush undergrowth.
9.00	Spur, projects SE., 20 ft. above cor.; desc. gradually.
11.80	Intersect the closing cor. on the old Fort Crittenden Military Reserve Bdy., which is
	A limestone, 14x14x3 ins., firmly set in mound of stone, 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 closing cor. for secs. 4 and 33, with brass cap mkd.
	T 6 S R 3 W S 33 S 4 CC S 4 T 7 S 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	No trees within reasonable distance suitable for bearing tree.
	From this cor. I run N. 23° 15' W., to the closing cor. on the FT. Crittenden Military Reserve Bdy. which is plainly visible.
.40	Head of draw, drains SW., 10 ft. below closing cor.; asc.
.57	Intersect the ½ mile stone bet. the 41st and 42nd mile cor. on the old Ft. Crittenden Military Reserve Bdy.,

RESURVEY OF A PORTION OF THE N. BDY., T. 7 S., R. 3 W.

Chains.

which is

A limestone, 15x9x6 ins. above ground, firmly set; mkd. as described by the surveyor general.

6.65 Intersect the closing cor. on the old Ft. Crittenden Military Reserve bdy., which is

A limestone, 12x8x6 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 closing cor. bet. secs. 4 and 33, with brass cap mkd.

T 6 S R 3 W
CC S 33 \ S 33
S 4 \
T 7 S
1918

from which

A cedar, 8 ins. diam., bears N. 81° W., 46 lks. dist., mkd. T6SR3WS33CCBT.

A cedar, 8 ins. diam., bears S. 70° W., 80 lks. dist., mkd. T7SR3WS4CCBT.

The course of this line is therefore N. 23° 15' W., and the dist. is 6.65 chs.

From this closing cor.

West, on resurvey line bet. secs. 4 and 33.

1.70 Spur, projects E., 10 ft. above closing cor.; desc. grad.

11.40 Fall 1 lk. S. of the ¼ sec. cor., which is

A limestone, 15x10x9 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., 18 ins. in the ground on solid rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.

¼
S 33
S 4

1918

from which

A cedar, 8 ins. diam., bears N. 69° E.,

RESURVEY OF A PORTION OF THE N. BDY. OF T. 7 S., R. 3 W.

Chains	
	131 lks. dist., mkd. ¼S33BT.
	A cedar, 6 ins. diam., bears S. 31° 30' E.,
	107 lks. dist., mkd. ¼S4BT.
	The course of this line is therefore N. 89° 57' W., and
	the dist. is 11.40 chs.
	From the ¼ sec. cor.,
	West, on resurvey line bet. secs. 4 and 33.
2.50	Draw, drains S., 10 ft. below spur; asc. gradually.
7.50	Ridge, bears NE. and SW., 20 ft. above draw; desc. grad.
12.50	Draw, drains SW., 20 ft. below ridge; asc. gradually.
15.40	Spur, projects S., 20 ft. above draw; desc. gradually.
18.90	Draw, drains S., 10 ft. below spur; asc. gradually.
24.50	Ridge, bears NE. and SW., 10 ft. above draw; desc. grad.
32.20	Draw, drains SW., 30 ft. below ridge; asc. gradually.
33.40	Old road, bears N. 10° W. and S. 10° E.
37.00	Ridge, bears NE. and SW., 20 ft. above draw; desc. grad.
39.90	Draw, drains SW., 15 ft. below ridge; asc. gradually.
40.31	Fall 24 lks. S. of the cor. of secs. 4, 5, 32 and 33,
	which is
	A limestone, 6x5x5 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. 4, 5, 32 and 33,
	with brass cap mkd.

T 6 S R 3 W

S 32	S 33
S 5	S 4

T 7 S

1918

from which

A cedar, 10 ins. diam., bears N. 82° 30' E.,

211 lks. dist., mkd. T6SR3WS33BT.

A cedar, 8 ins. diam., bears S. 22° E.,

137 lks. dist., mkd. T7SR3WS4BT.

No other trees within reasonable distance suitable for bearing trees.

RESURVEY OF A PORTION OF THE N. BDY. OF T. 7 S., R. 3 W.

Chains.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
The course of this half mile is therefore N. 89° 39' W., and the dist. is 40.31 chs.
Land, rolling hills.
Soil, light sandy clay and loam, shallow and rocky.
Timber, scattering scrub cedar.
Undergrowth, sagebrush, black sage, yellow top and shad scale.
General southern and southwestern exposure. Limestone formation. Fair grazing.

RETRACEMENT AND RESURVEY OF SUBDIVISION.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the twp.
North, on retracement line bet. secs. 35 and 36.
40.81 Fall 13 lks. W. of the ¼ sec. cor.,
The course of this half mile is therefore N. 0° 11' E., and the dist. is 40.81 chs.
Continue same line with continuous measurement.
79.70 Intersect the old cor. of secs. 25, 26, 35 and 36.
The course of this half mile is therefore N. 0° 11' W., and the dist. is 38.89 chs.
Thence N. 0° 11' E., on resurvey line bet. secs. 35 and 36, from cor. of secs. 1, 2, 35, and 36 on S. bdy. of Tp.
Asc. over mountainous land, through dense sagebrush undergrowth.
1.00 Wash, 5 lks. wide, 2 ft. deep, drains SE.; continue asc.
14.90 Recross wash, drains SW., continue asc.
18.50 Recross wash, drains SE., continue asc.
25.80 Foot of ledges bears NW. approximately 5 chs. and SE., approximately 15 chs.; asc. abruptly.
26.30 Top of ledges, 40 ft. high; continue asc.
38.90 Ridge, bears NE. and SW., 460 ft. above sec. cor.; desc.
40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains.	
	the ¼ sec. cor. for sec. 35, with brass cap mkd.
	¼ S 35 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
40.81	The old ¼ sec. cor. bet. secs. 35 and 36, which is
	A limestone, 12x9x8 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., 20 ins. in
	the ground, on solid rock, in mound of stone, 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, E. of cor.
	From the ¼ sec. cor.
	N. 0° 11' W., on resurvey line with continuous measurement.
45.70	Start abrupt desc., bears NE. and SW.
54.30	Ravine, drains SE., approximately 3 chs., thence NE.; asc.
	abruptly.
58.30	Spur, projects SE., 60 ft. above ravine; desc.
59.70	Draw, drains SE., 20 ft. below spur; asc. abruptly over
	ledges.
62.60	Ledge, 30 ft. high, bears NE. and SW., continue asc.
63.00	Top of ledges, bears NE. and SW., continue asc.
71.60	Spur, projects SE., 210 ft. above draw; desc. abruptly.
74.90	Ravine, drains SE., 150 ft. below spur; asc. abruptly.
79.70	The old cor. of secs. 25, 26, 35 and 36, which is
	A limestone, 16x12x6 ins. above ground, loosely set; mkd.
	as described by the surveyor general. I destroy all
	mks. on this stone pertaining to secs. 26 and 35, and
	alongside
	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in
	the ground, on solid rock, in mound of stone, for the

Chains.

cor. of secs. 25 and 36, with brass cap mkd.

T 7 S
S 25
S 36
R 3 W
1918

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

Land, mountainous.

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

Timber, none.

Undergrowth, sagebrush, black and white sage and bunch grass.

Eastern exposure. Limestone formation. Good grazing.

From the cor. of secs. 25 and 36.

North, on retracement line bet. secs. 25 and 26.

39.28 Fall 7 lks. E. of the ½ sec. cor.

The course of this half mile is therefore N. 0° 6' W., and the dist. is 39.28 chs.

Continue same line with continuous measurement.

81.40 Fall 47 lks. E. of the cor. of secs. 23, 24, 25 and 26.

The course of this half mile is therefore N. 0° 33' W., and the dist. is 42.12 chs.

From the cor. of secs. 25 and 36.

N. 0° 6' W., on resurvey line.

Asc. over mountainous land, through very scattering scrub cedar timber.

.30 Or 80.00 chs. from the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the twp.

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. 26 and 35, with brass cap mkd.

T 7 S
S 26
S 35
R 3 W
1918

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

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains.	
	No trees within reasonable distance suitable for bearing trees.
11.00	Spur, projects NE., 100 ft. above sec. cor.; desc. abruptly.
19.70	Ravine, drains NE., 300 ft. below spur; asc. abruptly.
20.30	Old wood-road, bears NE. and SW.
28.50	Spur, projects E., 150 ft. above ravine; desc.
34.90	Ravine, drains SE., 180 ft. below spur; asc. abruptly.
37.90	Spur, projects E., 90 ft. above ravine; desc.
39.28	The old ¼ sec. cor., which is
	A limestone, 24x14x8 ins., firmly set in mound of stone, mkd. as described by the surveyor general; along side of which
	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 ¼ sec. cor. for sec. 25, with brass cap mkd.
	¼ S 25 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	No trees within reasonable dist. suitable for bearing trees.
	From the ¼ sec. cor.
	N. 0° 33' W. on resurvey line with continuous measurement.
40.30	Or 40 chs. North of the cor. of secs. 26 and 35,
	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. for sec. 26, with brass cap mkd.
	¼ S 26 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
43.20	Ravine, drains SE., 80 ft. below spur; asc.
54.90	Ridge, bears NW. and SE., 250 ft. above ravine; desc.
57.70	Draw, drains E., 80 ft. below ridge; asc.
67.60	Spur, projects E., 90 ft. above draw; desc.

Chains.	
76.90	Ravine, drains SE., 200 ft. below spur; asc.
80.30	Or 80.00 chs. N. of the cor. of secs. 26 and 35.
	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 7 S S 23 S 26 R 3 W
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
81.40	The old cor. of secs. 23, 24, 25 and 26, which is
	A limestone, 14x10x4 ins., loosely 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. 24 and 25, with brass cap mkd.
	T 7 S S 24 S 25 R 3 W
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	I destroy all mks. on stone pertaining to secs. 23 and 26.
	Land, mountainous.
	Soil, light gray clay and gravel, shallow and rocky.
	Timber, very scattering and scrubby cedar and pinon, none of which are suitable for bearing trees.
	Undergrowth, Sagebrush, yellow top and shadscale.
	General esatern exposure. Limestone formation. Fair grazing.

	From the cor. of secs. 24 and 25.
	North, on retracement line bet. secs. 23 and 24.
39.57	Fall 17 lks. E. of the ¼ sec. cor.
	The course of this half mile is therefore N. 0° 15' W.,

Chains	
	and the dist. is 39.57 chs.
	Continue same line with continous measurement.
80.20	Fall 10 lks. W. of the cor. of secs. 13, 14, 23 and 24.
	The course of this half mile is therefore N.0° 23' E., and the dist. is 40.63 chs.
	From the cor. of secs. 24 and 25.
	N. 0° 15' W., on resurvey line.
	Asc. over rough mountainous land, through sagebrush, yellow top and scattering mahogany undergrowth and scattering scrub cedar and pinon timber.
18.40	Spur, projects E., 435 ft. above sec. cor.; desc.
23.40	Head of draw, drains E., 45 ft. below spur; asc.
24.60	Ridge, brs. NE. and SW., 5 ft. above draw; desc.
38.90	Or 40 chs. N. 0° 15'W. of the cor. of secs. 23 and 26,
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor. for sec. 23, with brass cap marked
	¼ | S 23 | 1918 from which
	A pinon, 14 ins. dia., brs. S. 6° 10' W., 88 lks. dist., mkd. ¼ S 23 B T.
	A cedar, 10 ins. dia., brs. N. 74° W., 44 lks. dist., mkd ¼ S 23 B T.
39.57	The old ¼ sec. cor., which is
	A limestone, 14 x 8 x 4 ins., firmly set and mkd. as described by the surveyor general; along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, on solid rock, in large mound of stone for ¼ sec. cor., for sec. 24, with brass cap marked
	¼ | S 24 | 1918 from which
	A cedar, 10 ins. diam., bears N. 8° 40' E., 41 lks. dist., mkd. ¼ S 24 B T.

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W

Chains

A cedar, 14 ins. dia., bears S. 49° 40' E.,
20 lks. dist., mkd. ¼ S 24 B T.

From the ¼ sec. cor.

N.0° 23'E. on resurvey line with continuous measurement.

43.40 Ravine, drains E., 475 ft. below ridge; asc.

57.90 Ridge, brs. E.and W., 220 ft. above ravine; desc.

78.90 Or 80 chs. N. from the cor. of secs. 23 and 26.

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

T 7 S
S 14
S 23
R 3 W
1918

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

80.20 360 ft. below ridge.

The old cor. of secs. 13, 14, 23 and 24, which is

A limestone, 18 x 12 x 4 ins., firmly set and 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. 13 and 24, with brass cap mkd.

T 7 S
S 13
S 24
1918

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

I destroy all the marks on stone pertaining to secs. 14 and 23.

Land mountainous.

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

Undergrowth, sagebrush, yellow top, bunch grass and scattering mahogany.

Timber; scattering and scrubby cedar and pinon, none of which are suitable for bearing trees.

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
	From the cor. of secs. 13 and 24.
	North on retracement line bet. secs. 13 and 14.
40.57	Fall 49 lks. E. of the ¼ sec. cor.
81.11	Fall 2 lks. E. of the cor. of secs. 11,12, 13 and 14.
	The course of the S. half mile is therefore N.0° 42'W., and the dsit. is 40.57 chs., and the course of the N. half mile is N.0° 40'E., and the dist. is 40.54 chs.
	From the cor. of secs. 13 and 24.
	N.0° 42'W., on resurvey line.
	Desc. over mountainous land, through sagebrush, yellow top and grass undergrowth, and scattering scrub cedar timber
1.40	Wash, 5 ft. deep, 20 lks. wide, in bottom of draw, 15 ft. below sec. cor., drains E.; asc.
7.80	Spur, projects NE., 20 ft. above wash; desc.
14.50	Draw, drains E., 45 ft. below spur; asc.
17.90	Spur, projects NE., 15 ft. above draw; desc.
21.10	Wash, 10 lks. wide, 4 ft. deep, drains NE., 35 ft. below spur; asc.
35.40	Spur, projects SE., 105 ft. above wash; desc.
38.70	Or 40 chs. N. from the cor. of secs. 14 and 23.
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on solid rock, and 8 ins. in mound of stone, for ¼ sec. cor. for sec. 14, with brass cap mkd.
	S14 ¼ | 1918 from which
	A cedar, 6 ins. diam., bears N. 38° W., 144 lks. dist., mkd. ¼ S 14 B T.
	A cedar, 8 ins. diam., bears S. 78° W., 90 lks. dist., mkd. ¼ S 14 B T.
40.57	The old ¼ sec. cor., which is a limestone, 14 x 14 x 8 ins. firmly set and 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 ¼ sec. cor., for sec. 13, with brass cap mkd.
	¼ | S 13 1918 from which

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W

Chains

A cedar, 14 ins. diam., bears N. 60° 30' E., 264 lks. dist., mkd. ¼ S 13 B T.

A cedar, 6 ins. diam., bears S. 33° 30' E., 250 lks. dist., mkd. ¼ S 13 B T.

N.0° 40'E., on resurvey line with continuous measurement

41.00 Draw, drains SE., 20 ft. below spur; asc.

54.00 Spur, projects E., 250 ft. above draw; desc.

64.40 Ravine, drains E.,260 ft. below spur; asc. 15 ft. to

81.11 The old cor. of secs. 11, 12, 13 and 14, which is a lime stone, 18 x 12 x 8 ins., firmly set and mkd. as descri ed by the surveyor general, along side of which

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in th ground on solid rock,and 16 ins. in mound of stone, fo the cor. of secs. 11,12,13 and 14, with brass cap mkd.

T 7 S R 3 W
S 11 | S 12
S 14 | S 13
1918

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

No suitable bearing trees available.

Land, mountainous.

Soil, light gray clay and gravel; shallow and rocky.

Undergrowth, sagebrush, yellow top and grass.

Timber, scattering scrub cedar.

West on resurvey line bet. secs. 11 and 14.

Asc. over mountainous land,through sagebrudh, yellow top and grass undergrowth, and cedar and pinon timber.

7.90 Spur, projects SE., 155 ft. above sec. cor.; desc.

15.90 Draw, drains SE., 75 ft. below spur; asc.

18.90 Spur, projects S., 50 ft. above draw; desc.

27.40 Ravine, drains SE., 95 ft. below spur; asc. 500 ft. to

40.00 No trace of the old ¼ sec. cor. was found.

Set an iron post, 3 ft. long, 1 in diam., 18 ins. in the ground on solid rock and 6 ins. in mound of stone, for restored ¼ sec. cor., with brass cap mkd.

¼ S 11 / S 14
1918

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	No suitable bearing trees available.
	Land, mountainous.
	Soil, light gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, and grass.
	Timber, cedars and pinon.

	From cor. of secs. 11, 12, 13, and 14 North on a resurvey line bet. secs. secs. 11 and 12.
	Asc, over rough mountainous land, through sagebrush, yellow top, and grass undergrowth, and scattering scrub cedar timber.
4.80	Spur, projects SE., 65 ft. above sec. cor.; desc.
12.40	Draw, drains NE., 150 ft. below spur; asc.
18.40	Spur, projects SE., 5 ft. above draw; desc.
24.60	Draw, drains NE., 80 ft. below spur; asc.
26.40	Spur, projects E., 40 ft. above draw; desc.
36.70	Wash, 20 lks. wide, 4 ft. deep, in bottom of draw, 125 ft. below spur, drains E.; asc.
40.11	Fall 7 lks. E. of the ¼ sec. cor., bet. secs. 11 and 12, which is a limestone, 12x8x3 ins., firmly set and mkd. as described by the surveyor general, along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground on solid rock, and 12 ins. in mound of stone, for ¼ sec. cor., with brass cap mkd.
	¼ | S 11 | S 12 | 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	No suitable bearing trees available.
	Continue same line with continuous measurement.
48.40	Spur, projects NE., 35 ft. above draw; desc.
50.00	Leave scattering timber, brs. E. and W.
74.80	Wash, 10 lks. wide, 5 ft. deep, 80 ft. below spur, drains NE.
77.70	Wash, 8 lks. wide, 5 ft. deep, drains NE.
80.30	Fall 14 lks. E. of the cor. of secs. 1, 2, 11 and 12, which is a limestone, 10 x 10 x 4 ins., firmly set and mkd. as described by the surveyor general, along side of which

Chains	
	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 7 S R 3 W S 2 | S 1 S 11 | S 12 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of the S. half mile is therefore N.0° 06'W., and the dist. is 40.11 chs., and the course of the N. half mile is N.0° 06'W., and the dist. is 40.19 chs.
	Land of the S. half mile, rough mountains and of the N. half mile rolling hills.
	Soil, light gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top and grass.
	Timber, scattering scrub cedar and pinon on S. 50.00 chs. of mile.

	From the cor. of secs. 1, 2, 11 and 12.
	West on a resurvey line bet. secs. 2 and 11.
	Over rolling hills, through sagebrush, yellow top and shadscale undergrowth.
8.00	Old wagon road, brs. NE. and SW.
40.54	Fall 2 lks. S. of the ¼ sec. cor., bet. secs. 2 and 11, which is a quartzite, 6 x 5 x 4 ins., loosely set and 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 ¼ sec. cor., with brass cap mkd.
	¼ S 2 / S 11 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
49.00	Wash, 20 lks. wide, 8 ft. deep, drains NE.
61.90	Spur, projects NE., 155 ft. above sec. cor.; desc.
71.10	Wash, 15 lks. wide, 6 ft. deep, 15 ft. below spur, drains NE.

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains

81.22 Point at E. side of old mound of stone, from which

A cedar stump, 16 ins. diam., bearing evidence of old marks, brs. S. 70° W., 43 lks. dist.

A cedar stump, 12 ins. diam., bearing evidence of old marks, brs. N. 63° E., 72 lks.

I was unable to find the marked stone for this cor., but the two trees practically agree with the trees given in the original notes; therefore I re-establieh cor. at this point as follows:

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for the cor. of secs. 2, 3, 10 and 11, with brass cap mkd.

T 7 S	R 3 W
S 3	S 2
S 10	S 11

1918 from which

A cedar, 14 ins. diam., bears S. 55° W., 80 lks. dist., mkd. T 7 S R 3 W S 10 B T.

A cedar, 12 ins. diam., bears N. 47° W., 53 lks. dist., mkd. T 7 S R 3 W S 3 B T.

No other suitable bearing trees available.

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

The course of the E. half mile is therefore N. 89° 58' W., and the dist. is 40.54 chs., and the course of the W. half mile is S. 89° 58' W., and the dist. is 40.68 chs.

Land rolling hills.

Soil, light gray clay and gravel; shallow and rocky.

Undergrowth, sagebrush, yellow top and bunch grass.

Timber, very scattering scrub cedars.

From the cor. of secs. 2, 3, 10 and 11.

South on a resurvey line bet. secs. 10 and 11.

Asc. over rough mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and scattering cedar and pinon timber.

Chains	
2.40	Ridge, brs. E and W., 15 ft. above sec. cor.; desc.
7.40	Swale, drains NW., 10 ft. below ridge; asc.
16.80	Ridge, brs. E. and W., 95 ft. above swale; desc.
20.50	Wash 10 lks. wide, 3 ft. deep, in bottom of draw, 65 ft. below ridge, drains NE.; asc.
40.23	164 ft. above wash.
	Fall 24 lks. E. of the ¼ sec. cor., bet. secs. 10 and 11 which is a limestone 10 x 6 x 5 ins., firmly set and 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 ¼ sec. cor., with brass cap mkd.
	¼ S 10 | S 11 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of this half mile is therefore S. 0° 21' W., and the dist. is 40.23 chs.
	Land rough mountains.
	Soil light gray clay and gravel, shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, very scattering cedar and pinon.

	From the cor. of secs. 2, 3, 10 and 11.
	West on a resurvey line bet. secs. 3 and 10.
	Asc. over rolling hills, through sagebrush, yellow top, shadscale and grass undergrowth and scattering cedar timber.
2.80	Top of asc. on slope of ridge, sloping N., 10 ft. above sec. cor. Leave timber, brs. N. and S.; desc.
8.30	Wash, 10 lks. wide, 4 ft. deep, 30 ft. below ridge, drains NE.; asc. slightly.
14.20	Old road, brs. NE. and SW.
20.20	Wash, 20 lks. wide, 6 ft. deep, drains NE.

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
20.60	Old road, brs. NE. and SW.
21.80	Old road, brs. NE. and SW.
32.90	Spur, projects N., 35 ft. above wash; desc.
40.48	Fall 9 lks. S. of the ¼ sec. cor., which is a limestone, 12 x 5 x 5 ins., loosely set, and 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 ¼ sec. cor., with brass cap mkd.
	¼ S 3 / S 10
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Continue same line with continuous measurement.
	Over rolling land.
80.89	Fall 4 lks. N. of the cor. of secs. 3, 4, 9 and 10, which is a limestone, 12 x 8 x 4 ins., firmly set and 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. 3, 4, 9 and 10, mkd. on brass cap
	T 7 S R 3 W S 4 | S 3 S 9 | S10
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of the E. half mile is therefore N. 89° 52' W., and the dist. is 40.48 chs., and the course of the W. half mile is S. 89° 49' W., and the dist. is 40.41 chs.
	From this cor. a Geological monument, which is an iron post, 4 ins. diam., brs. N.73°03'W., 10.53 chs. dist.
	A monument on the Utah and Tooele county bdy. line, which is a sandstone, 14 x 5 x 5 ins., mkd. Utah on E. and Tooele on W. face, bears N.74° 30'W., 10.25 chs. dist.
	Land of the E. half mile rolling hills, and of the W. half mile, rolling.

Chains	
	Soil, light gray clay and gravel.
	Undergrowth, sagebrush, yellow top, shadscale and grass
	Timber, scattering scrub cedar on E. 2.80 chs. of mile.

	N. 0° 30' W. on a resurvey line bet. secs. 3 and 4.
	Over rolling land, through sagebrush, yellow top and grass undergrowth.
5.00	Swale, drains NE.
	Road in swale, brs. NE. and SW., Fairfield to Topliff.
5.58	Switch of the L.A. & S.L. Ry., brs. NE. and SW.
6.30	L. A. & S. L. Ry., brs. NE. and SW.
6.70	Wagon road, brs. NE. and SW.
7.20	Telegraph line, brs. NE. and SW.
11.80	Old road, brs. NW. and E.
24.00	Enter scattering scrub cedar timber, brs. E. and W.
40.45	Fall 6 lks. E. of the ¼ sec. cor., which is a limestone, 12 x 6 x 4 ins., firmly set and mkd. as described by the surveyor general, along side of which
	Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground, for ¼ sec. cor., mkd. on brass cap
	¼ S 4 | S 3 1918
	from which
	A cedar, 8 ins. diam., bears N. 70° 30' E., 108 lks. dist., mkd. ¼ S 3 B T.
	A cedar, 10 ins. diam., bears N. 77° W., 65 lks. dist., mkd. ¼ S 4 B T.
	Continue on same line with continuous measurement.
69.50	Spur, projects SE., 95 ft. above ¼ sec. cor.; desc.
74.50	Swale, drains SE., 5 ft. below spur; asc.
81.17	Fall 19 lks. E. of the cor. of secs. 3, 4, 33 and 34, on N. bdy. of Tp., heretofore described.
	The course of the S. half mile is therefore N. 0° 35' W., and the dist. is 40.45 chs., and the course of the N. half mile is N. 0° 41' W., and the dist. is 40.72 chs.

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains

Land rolling bench.

Soil, light gray clay, gravel and limestone boulders.

Undergrowth sagebrush, yellow top and grass.

Timber, scattering scrub cedar on N. 57.17 chs. of mile.

I, retrace the lines bet. secs, 32 and 33, 28 and 33, 29 and 32, and 28 and 29 and am unable to find any trace of the ¼ sec. cor. bet. secs. 32 and 33, the ¼ sec. cor. bet. secs. 29 and 32, the ¼ sec. cor bet. secs. 28 and 29, the ¼ sec. cor. bet. secs. 28 and 33, the cor. of secs. 27, 28, 33 and 34, or the cor. of secs. 28, 29, 32 and 33. I proceed as follows to re-establish the cor. for secs. 28, 29, 32 and 33.

A point set north, 80.00 chs. dist., (record) from the cor. of secs. 4, 5, 33 and 34 on S. bdy. I designate A.

A point set east, 80.10 chs. dist.,(record) from the cor. of secs. 29, 30, 31 and 32, I designate B.

A point set south, 80.00 chs. dist.,(record) from the cor of secs. 20, 21, 28 and 29, I designate C.

From point A, point B. bears N.8° 35'W., 60 lks. dist.

From point A, point C bears N.52° 45'E., 186 lks dist.

I set point D. midway bet. points A and B, and establish the cor. of secs. 28, 29, 32 and 33, on line bet. points D and C at 1/3 the dist. from point D., or 57 lks. N., and 46½ lks. E. of point A. For description of cor. see notes of line bet. secs. 32 and 33.

The course of the line bet. secs. 32 and 33 is therefore N. 0° 20' E., and the dist. is 80.57 chs.

The course of the line bet. secs. 28 and 29 is therefore N. 0° 43' E., and the dist. is 80.55 chs.

The course of the line bet. secs. 29 and 32 is therefore S. 89° 59' E., and the dist. is 80.65 chs.

Chains

From the cor. of secs. 4, 5, 32 and 33 on S. bdy. of T. heretofore described.

N. 0° 20' E., on resurvey line bet. secs. 32 and 33.

Over rolling land, through black sagebrush, white sage, shadscale and grass undergrowth.

10.30 Road, brs. NW. and SE.

24.80 Swale, drains NW., 35 ft. below sec. cor.

33.00 Road, brs. NE. and SW.

40.28½ 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.

S 32	S 33

1918

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

80.57 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. of secs. 28, 29, 32 and 33, with brass cap mkd.

T 7 S R 3 W

S 29	S 28
S 32	S 33

1918

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

Land, rolling.

Soil, heavy clay loam and gravel.

Undergrowth, black sagebrush, white sage, shadscale and grass.

No timber.

N. 0°.43' E., on resurvey line bet. secs. 28 and 29.

Over rolling land, through black and white sagebrush, shadscale and grass undergrowth.

14.50 Low spur, projects W., 10 ft. above sec. cor.

24.50 Swale, drains W., 15 ft. below spur.

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains

27.50 Road, brs. N.10°E., and S.10°W., Fairfield to Topliff.

40.27½ 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 29 | S 28

1918

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

80.55 Intersect the cor. of secs. 20, 21, 28 and 29, which is

A limestone, 8 x 6 x 4 ins., firmly set and 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. 20, 21, 28 and 29, with brass cap marked

T 7 S | R 3 W.
S 20 | S 21
S 29 | S 28

1918

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

Land, rolling.

Soil, heavy clay loam, gravel and limestone boulders.

Undergrowth, black and white sagebrush, shadscale and grass.

No timber.

North on a resurvey line bet. secs. 20 and 21.

Over rolling land, through black and white sagebrush, yellow top, shadscale and grass undergrowth.

2.90 Road, brs. NE. and SW., Fairfield to Topliff.

8.30 Wash, 10 lks. wide, 4 ft. deep, drains SW.

39.71 Fall 20 lks. W of the ¼ sec. cor., which is a limestone, 14 x 8 x 4 ins., firmly set and mkd. as described by the surveyor general, along side of which

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in

Chains

the ground, for ¼ sec. cor., with brass cap mkd.

¼

S 20 | S 21

1918

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

The course of this half mile is therefore, N. 0° 17' E.,

and the dist. is 39.71 chs.

Land rolling.

Soil, gray clay, sand and gravel.

Undergrowth, black and white sagebrush, yellow top, shadscale and grass.

No timber.

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

North on retracement line bet. secs. 20 and 21, and at 38.55 chs. dist., 78 lks. W. of the old stone, mkd. 3 notches on two edges laying loose on the ground. This cor. stone has evidently been moved from its original position, I therefore re-establish the cor. as follows:-

Set a point, I designate "A"; S. 40.00 chs., dist., (record) from the ¼ sec. cor. bet. secs. 16 and 17.

Set a point, I designate "B"; W. 40.05 chs. dist., (record) from the ¼ sec. cor. bet. secs. 16 and 21.

Set a point, I designate "C"; N. 40.00 chs. dist., (record) from the ¼ sec. cor. bet. secs. 20 and 21.

Set a point, I designate "D"; E., 40.07½ chs. dist., (record) from the ¼ sec. cor. bet. secs. 17 and 20.

From point "A", point "B" brs. S.58°30'E., 21 lks. dist.

From point "A", point "C" brs. N.20°45'W., 11 lks. dist.

From point "A", point D" brs. S.29°15'W., 27 lks. dist.

Set point "E" midway bet. points "B" and "D", or 16¾ lks. from point "B".

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
	Set point "F" midway bet. points "A" and "C"; and re-establish the cor. midway bet. points "E" and "F", or 6 lks. S., and 0.2 lks. E. of point "A" as follows:-
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. for secs. 16, 17, 20 and 21, with brass cap mkd.

T 7 S	R 3 W
S 17	S 16
S 20	S 21

1918

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	I also place the old stone which is a limestone, 12 x 8 x 3 ins., along side of the iron post.
	The course of the S. half mile bet. secs. 16 and 17, is therefore S., and the dist. is 40.06 chs.
	The course of the W. half mile bet. secs. 16 and 21, is therefore N.89° 56'W., and the dist. is 40.22 chs.
	The course of the N. half mile bet. secs. 20 and 21, is therefore N.0° 04'E., and the dist. is 39.84 chs.
	The course of the E. half mile bet. secs. 17 and 20, is therefore N.89° 45'E., and the dist. is 40.21 chs.
	S.0° 04'W., on resurvey line bet. secs. 20 and 21.
	Over rolling land, through black and white sagebrush, yellow top, shadscale and grass undergrowth.
6.30	Wash, 10 lks. wide, 3 ft. deep, drains W.
39.84	The ¼ sec. cor. bet. secs. 20 and 21.
	Land, rolling.
	Soil, gray clay, sandy loam and gravel.
	Undergrowth, black and white sagebrush, yellow top, shadscale and grass.
	No timber.

Chains	
	From the restored cor. of secs. 16, 17, 20 and 21.
	North on resurvey line bet. secs. 16 and 17.
	Over rolling land, through black and white sagebrush,

Chains	
	and grass undergrowth.
40.06	Intersect the ¼ sec. cor., bet. secs. 16 and 17, which i a limestone, 8 x 4 x 3 ins., loosely set and mkd. as described by the surveyor general, along side of which Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in th ground, for ¼ sec. cor., with brass cap mkd.

¼
S 17 | S 16

1918

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	North on a resurvey line, with continuous measurement.
80.19	Intersect the cor. of secs. 8, 9, 16 and 17, which is a limestone, 10 x 6 x 4 ins., firmly set and mkd. as described by the surveyor general, along side of which Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for the cor. of secs. 8, 9, 16 and 17, with brass cap mkd.

T 7 S | R 3 W
S 8 | S 9
S 17 | S 16

1918

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of the N. half mile is therefore north, and th dist. is 40.13 chs.
	Land, rolling.
	Soil, heavy clay loam.
	Undergrowth, black and white sagebrush and grass.
	No timber.

	North on a resurvey line bet. secs. 8 and 9.
	Over rolling land, through sagebrush, shadscale and grass undergrowth.
12.00	Old road, brs. NE. and SW.
13.90	L. A. & S. L. Ry. track, brs. NE. and SW.
16.00	Telegraph line, brs. NE. and SW. and road, brs. NE. and SW

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
30.10	Enter plowed field, brs. E. and W.
40.08	Fall 9 lks. E. of the ¼ sec. cor., which is a limestone, 12 x 7 x 6 ins., firmly set and 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 ¼ sec. cor., with brass cap mkd.
	¼ S 8 | S 9 1918
	Cor. stands in cultivated field, I therefore omit excessiors.
	Continue on same line with continuous measurement.
41.50	Leave plowed field, brs. E. and W.
42.50	Wash, 10 lks. wide, 4 ft. deep, drains SW.
43.15	Road, brs. SW. and NE.
47.75	Road, brs. E. and W.
50.25	Wash, 5 lks. wide, 2 ft. deep, drains SW.
80.24	Fall 4 lks. E. of the old cor. of secs. 4, 5, 8 and 9, which is a limestone, 9 x 7 x 6 ins., firmly set and mkd. as described by the surveyor general.
	Knowing from previous retracements that this cor. will be made a cor. for secs. 5 and 8 only, I destroy the marks on cor. pertaining to secs. 4 and 9, and along side of stone
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for the cor. of secs. 5 and 8, with brass cap mkd.
	T 7 S | S 5 | S 8 | R 3 W | 1918
	from which
	A cedar, 8 ins. diam., bears N. 3° W., 120 lks. dist., marked T 7 S R 3 W S 5 B T.
	No available bearing tree in sec. 8. Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.

Chains

The course of the S. half mile is therefore N. 0° 08' W. and the dist. is 40.08 chs., and the course of the N. half mile is N. 0° 04' E., and the dist. is 40.16 chs.

Land, rolling.

Soil, gray clay loam.

Undergrowth, sagebrush, shadscale and grass.

No timber.

North on retracement line bet. secs. 4 and 5.

40.00 After diligent search no trace of the old ¼ sec. cor. was found.

Set temp. ¼ sec. cor.

94.84 Fall 118 lks. W. of the cor. of secs. 4, 5, 32 and 33, heretofore described.

The course of this line is therefore N 0° 43' E., and the dist. is 94.85 chs.

From the cor. of secs. 5 and 8.

N. 0° 43' E., on resurvey line along E. bdy. of sec. 5.

Over low rolling hills, through sagebrush, yellow top, shadscale and grass undergrowth, and very scattering scrub cedar timber.

7.46 The cor. of secs. 4 and 9, for description of which see the notes of the line bet. secs. 4 and 9.

40.86 Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor. for sec. 5 only, with brass cap mkd.

¼
S 5
1918

from which

A cedar, 8 ins. diam., bears S.36° 05'W., 89 lks. dist., mkd. ¼ S 5 B T.

A cedar, 10 ins. diam., bears N.24° 20'W., 164 lks. dist., mkd. ¼ S 5 B T.

47.46 Or 40.00 chs. dist. N. 0° 43'E. from the cor. of secs. 4 and 9.

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor. for sec. 4 only, with brass cap mkd.
	¼ S 4 1918 from which
	A cedar, 8 ins. diam., bears N.81° 30'E., 101 lks. dist., mkd. ¼ S 4 B T.
	A cedar, 10 ins. diam., bears S.49° 25'E., 145 lks. dist., mkd. ¼ S 4 B T.
56.15	Spur, projects SW., 130 ft. above sec. cor.; desc.
62.15	Draw, drains SW., 5 ft. below spur; asc.
87.15	Ridge, bears NE. and SW., 90 ft. above draw; desc.
94.45	Draw, drains SW., 5 ft. below ridge; asc.
94.85	The cor. of secs. 4, 5, 32 and 33.
	Land, low rolling hills.
	Soil, gray clay and sandy loam.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, very scattering scrub cedars.

	From the restored cor. of secs. 28, 29, 32 and 33.
	East on retracement line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor. Am unable to find any trace of the old ¼ sec. cor.
80.00	Make diligent search for the old cor. of secs. 27, 28, 33 and 34, and was unable to find any trace thereof.
	Set temp. point that I designate "A".
	Then I set a point that I designate "B" 40.00 chs. Dist. S. of the ¼ sec. cor. bet. secs. 27 and 28.
	From point "A" point "B" bears S.84° 50'E., 118 lks. dist.
	I restore the cor. on line bet. points "A" and "B" at 1/3 the dist., Or 391/3 lks. from point "B". Knowing from previous retracements that this cor. will be made a cor. for secs. 28 and 33 only I establish it as follows:

Chains	
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 28 amd 33 only, wit brass cap mkd.
	T 7 S | S 28 / S 33 | R 3 W
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of co
	The course of the line bet. secs. 28 and 33 is therefor S.89° 57'E., and the dist. is 80.79 chs., and the cou of the S. half mile bet. secs. 27 and 28, is S.0° 34'W and the dist. is 39.96 chs.
	N. 89° 57' W., on resurvey line bet. secs. 28 and 33.
	Over rolling land, through sagebrush and grass under-growth.
17.20	Road, bears N. and S.
40.39½	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock, and 4 ins. in mound of stone, for ¼ sec. cor., with brass cap mkd.
	¼ S 28 / S 33
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
48.30	Road, bears NE. and SW.
77.70	Road, bears N.10°E., and S.10° W.
80.79	The restored cor. of secs. 28, 29, 32 and 33.
	Land, rolling.
	Soil, gray clay loam and gravel.
	Undergrowth, sagebrush and grass.
	No timber.
	From the restored cor. of secs. 28 and 33.
	N.0° 34'E., on resurvey line along E. bdy. of sec. 28.
	Over rolling land, through sagebrush, yellow top, shad-

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
	scale and grass undergrowth.
4.81	The cor. of secs. 27 and 34, for description of which see notes of the line bet. secs. 27 and 34.
31.30	Wash, 10 lks. wide, 2 ft. deep, drains SW.
31.40	Old road, brs. NW. and SE.
39.96	The old ¼ sec. cor. bet. secs. 27 and 28, which is a limestone, 12 x 4 x 2 ins., firmly set and marked as described by the surveyor general. I destroy the marks on this cor. pertaining to sec. 27, making it a ¼ sec. cor. for sec. 28 omly.
	Land rolling.
	Soil, heavy clay.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	No timber.

	From the ¼ sec. cor. for sec. 28,
	North, on retracement line bet. secs. 27 and 28, and at
40.00	Was unable to find any trace of the old cor. of secs. 21, 22, 27 and 28. Set temp. point, and continue on same line with continuous measurement.
79.74	Intersect the old ¼ sec. cor. bet. secs. 21 and 22.
	The course of this line is therefore N., and the dist. is 79.74 chs.
	From the ¼ sec. cor. on E. bdy. of sec. 28.
	North on resurvey line along E. bdy. of sec. 28.
	Asc, over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and scattering scrub cedar timber.
4.87½	Or midway bet. the cor. of secs. 27 and 34, and the cor. of secs. 22 and 27,
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor. for sec. 27, with brass cap mkd.

Chains

¼
S 27
1918

from which

A cedar, 10 ins. diam., bears N. 5° 30' E., 534 lks. dist., mkd. ¼ S 27 B T.

No other suitable bearing tree available in sec. 27.

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

34.35 Lime stone ledge, 15 ft. high, brs. NE. and SW.; 250 ft. above ¼ sec. cor.

39.87 Proportional measurement. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for the cor. of secs. 21 and 28. This cor. was later changed to an angle point, and marked as follows on brass cap

A P

1918

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

Land, mountainous.

Soil, light gray clay and gravel.

Undergrowth, sagebrush, yellow top, shadscale and grass.

Timber, scattering scrub cedars.

From the restored cor. of secs. 21 and 28, which was changed to angle point.

North on resurvey line along E. bdy. of sec. 21.

Over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and scattering cedar timber.

Ascend.

4.50 Ridge, brs. E. and W., 25 ft. above cor.; desc.

5.03 The cor. of secs. 22 and 27, for description of which see the notes of line bet. secs. 22 and 27.

15.60 Draw, drains W., 185 ft. below ridge; asc.

18.50 Spur, projects W., 35 ft. above draw; desc.

RETRACEMENT AND RESURVEY OF SUBDIVISION T. 7 S. R. 3 W.

Chains.	
29.90	Draw, drains W., 60 ft. below spur; asc.
34.90	Spur, projects W., 15 ft. above draw; desc.
39.87	The old ¼ sec. cor. bet. secs. 21 and 22, which is a limestone, 10 x 5 x 4 ins. firmly set and mkd. as described by the surveyor general, alongside of which
	Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground for ¼ sec. cor. for sec. 21 only, with brass cap mkd.
	¼ S. 21 | 1918 from which
	A cedar 10 ins. diam., bears S. 73° 30' W. 182 lks. dist., mkd. ¼ S 21 B T.
	A cedar 12 ins. diam., bears N. 26° 45' W. 485 lks. dist., mkd. ¼ S 21 B T
	Land, rolling mountains.
	Soil, light gray clay and gravel, shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedars.
	From the ¼ sec. cor. on E. bdy. of sec. 21,
	North on retracement line bet. secs. 21 and 22,
40.19	Fall 7 lks. W. of the old cor. of secs. 15, 16, 21, and 22.
	The course of this half mile is therefore N. 0° 06' E. and the dist. is 40.19 chs.
	From the ¼ sec. cor. on E. bdy. of sec. 21,
	N. 0° 06' E. on resurvey line along E. bdy. of sec. 21,
	Desc. over mountainous land through sagebrush, yellow top, shadscale and grass undergrowth, and scattering scrub cedar timber.
4.80	Draw, drains W. 10 ft. below ¼ sec. cor.; ascend.
5.21½	Or midway bet. the cor. of secs. 22 and 27, and the cor. of secs. 15 and 22,
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the

RETRACEMENT AND RESURVEY OF SUBDIVISION T. 7 S., R. 3 W.

Chains.	
	ground for $\frac{1}{4}$ sec. cor. for sec. 22 only, with brass cap mkd
	$\frac{1}{4}$ | S 22 1918 from which
	A cedar 14 ins. diam., bears N. 31° E. 160 lks. dist., mkd. $\frac{1}{4}$ S 22 B T
	A cedar, 8 ins. diam., bears N. 87° 30' E. 104 lks. dist. mkd. $\frac{1}{4}$ S 22 B T
8.30	Spur, projects W. 10 ft. above draw; desc.
20.00	Leave scattering cedars bear E. and W.
23.40	Wash, 8 lks. wide, 3 ft. deep, drains W., 35 ft. below spur; asc.
28.40	Wash, 5 lks. wide, 2 ft. deep, drains W.
40.19	The old cor. of secs. 15, 16, 21, and 22, which is a sandstone 12 x 7 x 3 ins., firmly set and mkd. as described by the surveyor general. I destroy the marks on this cor. pertaining to secs. 15 and 22, and alongside of stone,
	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground on solid rock and 6 ins. in mound of stone, for the cor. of secs. 16 and 21 only, with brass cap mkd.
	T 7 S | S 16 / S 21 | R 3 W 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
	Land, rolling mountains.
	Soil, light gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedars on S. 20.00 chs. of half mile.
	From the restored cor. of secs. 16, 17, 20, and 21

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
	S. 89° 56' E., on resurvey line bet. secs. 16 and 21.
	Over rolling land, through black and white sagebrush, yellow top, shadscale and grass.
32.00	Road, brs. N. and S., Fairfield to Topliff.
40.22	The old ¼ sec. cor., bet. secs. 16 and 21, which is a limestone, 12 x 6 x 4 ins., firmly set and mkd. as described by the surveyor general, along side if which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S 16 / S 21
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	East on a resurvey line, with continuous measurement.
41.20	Wash, 10 lks. wide, 2 ft. deep, drains W.
41.70	Enter plowed land, brs. N. and S.
64.20	Leave plowed land, brs. N. and S.
80.38	Fall 2 lks. S. of the cor. of secs. 16 and 21.
	The course of the E. half mile is therefore N. 89° 58' E., and the dist. is 40.16 chs.
	Land, rolling.
	Soil, gray clay and sandy loam.
	Undergrowth, black and white sagebrush, yellow top, shadscale and grass.
	No timber.

	From the cor. of secs. 8, 9, 16 and 17.
	East on a resurvey line bet. secs. 9 and 16.
	Over rolling land, through sagebrush and grass undergrowth, and scattering scrub cedar timber.
40.00	After diligent search I was unable to find any trace of the old ¼ sec. cor., I therefore restore cor. as follows
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., with brass cap mkd.

RETRACEMENT AND RESURVEY OF SUBDIVISION, T. 7 S., R. 3 W.

Chains	
	$\frac{1}{4}$ S 9 / S 16
	1918 from which
	A cedar, 6 ins. diam., bears N. 47° W., 214 lks. dist., mkd. $\frac{1}{4}$ S 9 B T.
	A cedar, 10 ins. diam., bears S. 46° W., 127 lks. dist., mkd. $\frac{1}{4}$ S 16 B T.
	Land, rolling.
	Soil, light gray clay and gravel.
	Undergrowth, sagebrush and grass.
	Timber, scattering scrub cedars.
	SUBDIVISION OF T. 7 S., R. 3 W.
	From the cor. of secs. 33 and 34, on S. bdy. of Tp., heretofore described.
	North on random line bet. secs. 33 and 34.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.75	Intersect E. and W. line 110 lks. W. of the restored cor. of secs. 28 and 33.
	I abandom random line, and from the cor. of secs. 28 and 33.
	South on true line bet. secs. 33 and 34,
	Over rolling land, through black and white sagebrush, yellow top, shadscale and grass.undergrowth.
13.70	Old road, brs. NW. and SE.
35.19	Or 40.00 chs. S. of the cor. of secs. 27 and 34.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for $\frac{1}{4}$ sec. cor., for sec. 34 only, with brass cap mkd.
	$\frac{1}{4}$ | S 34
	1918
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground, for ¼ sec. cor., for sec. 33 only, with brass cap mkd.
	¼ S 33 | 1918
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
63.10	Road, brs. NE. and SW.
80.75	Intersect the S. bdy. of Tp., S. 89° 49' E., 110 lks. dist. from the cor. of secs. 33 and 34. I destroy the marks on this cor. pertaining to secs. 33 and 34, marking post A P for angle point, and at point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 33 and 34, with brass cap mkd.
	T 7 S | R 3 W S 33 | S 34 1918
	Dig pits, 24 x 24 x 12 ins. in each sec. NE. and NW. of post 6 ft. dist.
	Land rolling.
	Soil, heavy clay.
	Undergrowth, black and white sagebrush, yellow top, shadscale and grass.
	No timber.

	From the cor. of secs. 20, 21, 28 and 29.
	East on random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.52	Intersect N. and S. line 61 lks. N. of the A P, or restored point of the old cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in

Chains

the ground on solid rock, and 18 ins. in a mound of stone, for the cor. of secs. 21 and 28, with brass cap mkd.

T 7 S
S 21 | S 28
R 3 W

1918

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

West on true line bet. secs. 21 and 28.

Asc. over mountainous land, through sagebrush, yellow top shadscale and grass undergrowth, and scattering scrub cedar timber.

5.20 Ridge, brs. NE. and SW., 120 ft. above sec. cor.; desc.

30.00 Foot of ridge, 520 ft. below top, enter rolling land, brs. N. and S.

32.10 Old road, brs. N.10°E., and S.10°W.

39.50 Old road, brs. NW. and SE.

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

¼ S 21 / S 28

1918

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

No suitable bearing trees available.

70.20 Old road, brs. NE. and SW.

80.52 The cor. of secs. 20, 21, 28 and 29.

Land, mountainous on E. 30.00 chs. of mile and rolling on W. 50.52 chs.

Soil, light gray clay, shale and gravel; shallow and rocky.

Undergrowth, sagebrush, yellow top, shadscale and grass.

Timber, scattering scrub cedar.

From the cor. of secs. 16 and 21.

North on random line along E. bdy. of sec. 16.

Chains	
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. for the NE. cor. of sec. 16.
	West on random line bet. secs. 9 and 16.
40.22	Fall 25 lks. S. of the restored ¼ sec. cor. bet. secs. 9 and 16.
	From the cor. of secs. 16 and 21.
	North on true line along E. bdy. of sec. 16.
	Over rolling land, through black and white sagebrush, yellow top, shadscale and grass undergrowth.
3.50	Enter plowed field, brs. E. and W.
5.08	The cor. of secs. 15 and 22, for description of which see notes of line bet. secs. 15 and 22.
8.60	Leave plowed field, brs. E. and W.
15.00	Wash, 10 lks. wide, 2 ft. deep, drains SW.
40.12½	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor. for sec. 16 only, with brass cap mkd.

¼
S 16
1918

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
45.08	Or 40.00 chs. N. of the cor. of secs. 15 and 22.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., for sec. 15 only, with brass cap mkd.

¼
S 15
1918

	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
80.25	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the NE. cor. of sec. 16, with brass cap mkd.

S 16
R 3 W
T 7 S
1918 from which

Chains

A cedar, 6 ins. diam., bears S. 65° W., 360 lks. dist., mkd. T 7 S R 3 W S 16 B T.

Land rolling.

Soil light gray clay and sandy loam.

Undergrowth, black and white sagebrush, yellow top, shadscale and grass.

Timber, few scattering scrub cedars.

West on true line bet. secs. 9 and 16.

Over rolling land, through sagebrush, yellow top, and grass undergrowth, and scattering scrub cedar timber.

8.75 Road, brs. NE. and SW.

31.30 Road, brs. N. and S. Fairfield to Topliff.

40.22 The ¼ sec. cor. bet. secs. 9 and 16.

Land, rolling.

Soil, gray clay and gravel.

Undergrowth, sagebrush, yellow top and grass.

Timber, scattering scrub cedars.

From the old cor. of secs. 3, 4, 9 and 10.

West on random line bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. cor.

68.10 Intersect the E. bdy. of sec. 5, N. 0° 43' E., 7.46 chs. dist. from the cor. of secs. 5 and 8.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 4 and 9, with brass cap mkd.

T 7 S
S 4

S 9
R 3 W

1918 from which

A cedar, 14 ins. diam., bears N. 28° E., 205 lks. dist., mkd T 7 S R 3 W S 4 B T.

A cedar, 8 ins. diam., bears S. 5° 30' E., 120

SUBDIVISION OF T. 7 S., R. 3 W.

Chains	
	1ks. dist., mkd. T 7 S R 3 W S 9 B T.
	East on true line bet. secs. 4 and 9.
	Over rolling land, through sagebrush, yellow top, shadscale and grass undergrowth, and scattering scrub cedar timber.
6.60	Wash, 10 lks. wide, 3 ft. deep, drains SW.; asc.
10.00	Spur, projects SW., 20 ft. above wash; desc.
21.30	Wash, 5 lks. wide, 2 ft. deep, drains SW., 20 ft. below spur.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S 4 / S 9
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	No suitable bearing trees available.
47.10	Wash, 10 lks. wide, 2 ft. deep, drains SW.
54.40	Telegraph line, brs. NE. and SW.
55.70	L. A. & S. L. Ry., branch line, brs. NE. and SW.
55.90	Derail switch of the L. A. & S. L. Ry., on line.
57.90	Road, brs. NE. and SW., Fairfield to Topliff.
60.45	A limestone, 14 x 8 x 6 ins. firmly set and mkd. 5 notches on S., and 4 notches on S. edge, and O M R on SW., and C C on SE. faces.
68.10	The cor. of secs. 3, 4, 9 and 10.
	Land, rolling.
	Soil, gray clay and sandy loam.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedar.

	South on random line bet. secs. 9 and 10.
47.70	Set temp. ¼ sec. cor.
87.73	Intersect the N. bdy. of sec. 16, W., 12.13 chs. dist. from the NE. cor. of sec. 16.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in

Chains	
	the ground, for the SE. cor. of sec. 9, with brass cap mkd.
	T 7 S R 3 W S 9
	1918 from which
	A cedar, 8 ins. diam., bears N. 33° W., 278 lks. dist., mkd. T 7 S R 3 W S 9 B T.
	North on true line along E. bdy. of sec. 9.
	Over rolling land, through sagebrush, yellow top, shadscale and grass undergrowth, and scattering scrub cedar timber.
7.47	The cor. of secs. 10 and 15, for description of which see the notes of line bet. secs. 10 and 15.
19.60	Wash, 10 lks. wide, 3 ft. deep, drains W.; asc.
30.30	Spur, 75 ft. above wash, projects W.; desc.
35.15	Draw, drains W., 25 ft. below spur; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor. for sec. 9 only, with brass cap mkd.
	¼ S 9
	1918 from which
	A cedar, 8 ins. diam., bears N. 31° 45' W., 190 lks. dist., mkd. ¼ S 9 B T.
	A cedar, 10 ins. diam., bears N. 82° 30' W., 101 lks. dist., mkd. ¼ S 9 B T.
47.60	Point midway bet. the cor. of secs. 10 and 15, and the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor. for sec. 10 only, with brass cap mkd.
	¼ S 10
	1918 from which
	A cedar, 12 ins. diam., bears N. 66° 30' E.,

SUBDIVISION OF T. 7 S., R. 3 W.

Chains	
	161 lks. dist., mkd. ¼ S 10 B T.
	A cedar, 8 ins. diam., bears S 22° E., 158 lks. dist., mkd ¼ S 10 B T.
53.30	Ridge, brs. NW. and SE., 155 ft. above draw; desc.
62.15	Draw, drains NW., 135 ft. below ridge; asc.
63.15	Spur, projects NW., 5 ft. above draw; desc.
67.75	Closing cor. on Fort Crittenden Military Bdy., which is a limestone, 12 x 9 x 7 ins., firmly set and mkd. 5 notches on S., and 3 notches on E. edges, and C C on N. face.
78.00	Leave timber, brs. E. and W.
87.73	The cor. of secs. 3, 4, 9 and 10.
	95 ft. below top of spur.
	Land, rolling and rolling mountains.
	Soil, light gray clay and gravel. Rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedar on S. 78.00 chs. of mile.

	From the old ¼ sec. cor. bet. secs. 10 and 11.
	South on random line bet. secs. 10 and 11.
40.00	Set temp. cor. for secs. 10, 11, 14 and 15.
	East on random line bet. secs. 11 and 14.
41.60	Fall 17 lks. N. of the restored ¼ sec. cor. bet. secs. 11 and 14. Thence
	From the ¼ sec. cor. bet. secs. 11 and 14.
	West on true line bet. secs. 11 and 14.
	Asc. over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and cedar and pinon timber.
0.30	Top of limestone ledge, 20 ft. high, brs. N. and S.
2.00	Ridge, brs. N. and S., 35 ft. above ¼ sec. cor.; desc.
7.70	Ravine, drains S., 155 ft. below ridge; asc.
22.10	Intersect the old closing corner of the Ft. Crittenden Military Res. bdy., which is a limestone, 16 x 16 x 6 ins.

Chains	
	above the ground, firmly set and mkd. as described by the surveyor general.
	Top of ridge, brs. N. and S., 200 ft. above ravine; desc.
38.80	Ravine, drains SW., 270 ft. below ridge; asc.
41.60	Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in the ground on solid rock and 18 ins. in a mound of stone, for the cor. of secs. 10, 11, 14 and 15, (this cor. was subsequently changed and marked for secs. 10 and 11 only, a closing cor. for secs. 14 and 15 being set 1.41 chs. dist. E. of this cor.) with brass cap mkd.

T 7 S. | R 3 W
S 10 | S 11

1918 from which

A cedar stump, 16 ins. diam., bears N. 45° E., 67 lks. dist., mkd. T 7 S R 3 W S 11 B T.

A cedar, 12 ins. diam., bears N.76° 30' W., 78 lks. dist., mkd. T 7 S R 3 W S 10 B T.

Land, mountainous.

Soil, light gray clay and gravel; shallow and rocky.

Undergrowth, sagebrush, yellow top, shadscale and grass.

Timber, cedars and pinon.

	North, on true line bet. secs. 10 and 11.
	Asc. over mountainous land, through sagebrush, yellow top shadscale and grass undergrowth, and scattering scrub cedar timber.
4.47	No trace of the old closing cor. on the Fort Crtttenden Military bdy. was found.
5.00	Ridge, brs. NE. and SW., 110 ft. above sec. cor.; desc.
12.40	Draw, drains SW., 80 ft. below ridge; asc.
15.40	Ridge, brs. S.70ºE., and W., 35 ft. above draw; desc.
26.20	Small ravine, 4 ft. deep, on slope of ridge, drains NW.
40.17	475 ft. below top of ridge.
	The old ¼ sec. cor. bet. secs. 10 and 11.
	Land, mountainous.

SUBDIVISION OF T. 7 S., R. 3 W.

Chains	
	Soil, light gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedars.

	From the cor. of secs. 10 and 11.
	West on random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.56	Intersect the E. bdy. of sec. 9, N., 7.47 chs. dist., from the SE. cor. of sec. 9.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 10 and 15, with brass cap mkd.
	T 7 S S 10 --- S 15 R 3 W
	1918 from which
	A cedar, 6 ins. diam., bears S. 49° 15' E., 124 lks. dist., mkd T 7 S R 3 W S 15 B T.
	No bearing tree available in sec. 10.
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
	East on true line bet. secs. 10 and 15.
	Asc. over mountainous land, through sagebrush, yellow top shadscale and grass undergrowth, and scattering scrub cedar and pinon timber.
8.15	Old road, brs. NE. and SW.
15.25	Old road, brs. N. and S.
31.65	Spur, projects SW., 135 ft. above sec. cor.; desc.
37.35	Draw, drains SW., 25 ft. below spur; asc.
40.28	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor. for sec. 10 only, with brass cap mkd.
	¼ S 10
	1918 from which
	A cedar, 8 ins. diam., bears N. 57° 30' E.,

SUBDIVISION OF T. 7 S., R. 3 W.

Chains	
	143 lks. dist., mkd. ¼ S 10 B T.
	A cedar, 10 ins. diam., bears N. 15° 30' W., 175 lks. dist., mkd. ¼ S 10 B T.
41.97	Point W., 40.00 chs. dist. from the cor. of secs. 14 and 15.
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on solid rock and 6 ins. in a mound of stone for the ¼ sec. cor. for sec. 15 only, with brass cap mkd.
	¼ / S 15 / 1918 from which
	A cedar, 8 ins. diam., bears S. 16° E., 200 lks. dist., mkd. ¼ S 15 B T.
	A cedar, 14 ins. diam., bears S. 20° W., 340 lks. dist., mkd. ¼ S 15 B T.
43.00	Spur, projects S., 75 ft. above draw; desc.
50.25	Draw, drains SW., 110 ft. below spur; asc.
62.50	Spur, projects NW., 290 ft. below spur; desc.
67.15	Head of draw, drains N., 35 ft. below spur; asc.
72.00	Ridge, brs. NE. and SW., 95 ft. above draw; asc. spur.
76.65	Spur, projects S., 70 ft. above ridge; desc.
80.56	60 ft. below spur.
	The cor. of secs. 10 and 11.
	Land, mountainous.
	Soil, light gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedar and pinon on W. half mile and medium growth on E. half mile.

From the cor. of secs. 34 and 35 on S. bdy. of Tp.

N. 0° 05' W., bet. secs. 34 and 35.

Asc. over mountainous land, through sagebrush, yellow top shadscale and grass undergrowth, and scattering scrub cedar timber.

Chains	
7.00	Limestone ledge, 10 ft. high, brs. NW. and SE.
29.40	Spur, projects SE., 275 ft. above sec. cor.; desc.
33.10	Ridge, brs. NE. and SW., 20 ft. below spur; desc.
40.00	Point for ¼ sec. cor. falls on ledge. Impossible to set cor.
41.00	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for witness cor. to ¼ sec. cor., with brass cap mkd.

¼

S 34 | S 35
W | C

1918 from which

A cedar, 8 ins. diam., bears N. 62° W., 35 lks. dist., mkd. W C ¼ S 34 B T.

A cedar, 6 ins. diam., bears S. 26° E., 171 lks. dist., mkd. W C ¼ S 35 B T.

Cor. stands in head of draw, draining W., 100 ft. below ridge; asc.

43.20	Spur, projects NW., 5 ft. above draw; desc.
51.70	Draw, drains NW., 200 ft. below spur; asc.
53.20	Spur, projects NW., 25 ft. above draw; desc.
57.30	Draw, drains W., 35 ft. below spur; asc.
60.20	Spur, projects W., 5 ft. above draw; desc.
67.80	Draw, drains SW., 35 ft. below spur; asc.
72.70	Road, brs. NE. and SW.
80.00	70 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, and 10 ins. in a mound of stone, for the cor. of secs. 26, 27, 34 and 35, with brass cap mkd.

T 7 S | R 3 W
S 27 | S 26

S 34 | S 35

1918 from which

A cedar, 8 ins. diam., bears S. 7° 30' W., 154 lks. dist., mkd. T 7 S R 3 W S 34 B T.

No other suitable bearing trees available.

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

SUBDIVISION OF T. 7 S., R. 3 W.

Chains	
	Land, mountainous.
	Soil, light gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedar.

	S. 89°56' E. on random line bet. secs. 26 and 35,
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 26 and 35.
	N. 89° 59' W., on true line bet. secs. 26 and 35.
	Asc, over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and scattering scrub cedar timber.
22.70	Ridge, brs. N. and S.; 420 ft. above sec. cor.
	From this point, the old closing cor. on Fort Crittenden Military bdy. brs. S.74° 30'W., 96 lks. dist., which is a limestone, 18 x 14 x 12 ins., firmly set and mkd. as described by the surveyor general. I destroy cor.
	Descend.
40.06	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S 26 / S 35
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	No suitable bearing trees available.
74.15	Draw, drains SW., 540 ft. below ridge; asc.
74.80	Road, brs. NE. and SW.
80.12	The cor. of secs. 26, 27, 34 and 35.
	60 ft. above draw.
	Land, mountainous.
	Soil, gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedar.

Chains	
	West on random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
70.83	Intersect the E. bdy. of sec. 28, N. 0° 34' E., 4.81 chs. dist. from the cor. of secs. 28 and 33.
	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 7 S S 27 S 34 R 3 W 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
	East on true line bet. secs. 27 and 34.
	Over rolling land, through sagebrush, yellow top, shadscale and grass undergrowth.
20.20	Old road, brs. SE. and N.
30.83	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S 27 / S 34 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
40.40	Draw, drains SW.; asc.
49.75	Spur, projects S. 20° W., 125 ft. above draw; desc.
53.30	Draw, drains S., 75 ft. below spur; asc.
58.30	Spur, projects S., 80 ft. above draw; desc.
66.25	Draw, drains S., 100 ft. below spur; asc.
68.80	Spur, projects S., 5 ft. above draw; desc.
70.83	The cor. of secs. 26, 27, 34 and 35.
	Land, of the W. 40.40 chs., rolling and of the remaining portion of mile, mountainous.
	Soil, gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	No timber.

Chains	
	N. 0° 05' W., bet. secs. 26 and 27
	Asc, over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth and scattering scrub cedar timber.
2.80	Spur, projects SE., 55 ft. above sec. cor.; desc.
10.10	Head of draw, drains E., 55 ft. below spur; asc.
29.70	Spur, projects E., 80 ft. above draw; desc.
34.40	Head of draw, drains SE., 50 ft. below spur; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on solid rock and 6 ins. in mound of stone, for the ¼ sec. cor., with brass cap mkd.

¼

S 27 | S 26

1918

from which

A cedar, 12 ins. diam., bears S. 89° E., 47 lks. dist., mkd. ¼ S 26 B T.

A cedar, 14 ins. diam., bears N. 46° W., 72 lks. dist., mkd. ¼ S 27 B T.

70.80	Ridge, brs. NE. and SW., 340 ft. above draw; desc.
78.30	Head of draw, drains SW.,125 ft. below ridge; asc.
80.00	10 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and 18 ins. in a mound of stone, for the cor. of secs. 22, 23, 26 and 27, with brass cap mkd.

T 7 S | R 3 W
S 22 | S 23

S 27 | S 26

1918

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

No suitable bearing trees available.

Land, rough and mountainous.

Soil, gray clay and gravel; shallow and rocky.

Undergrowth, sagebrush, yellow top, shadscale and grass.

Timber, scattering scrub cedars.

SUBDIVISION OF T. 7 S., R. 3 W.

Chains	
	S, 89° 59' E., on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
79.75	Intersect N. and S. line 5 lks. S. of the cor. of secs. 23 and 26.
	S. 89° 59' W., on true line bet. secs. 23 and 26.
	Desc. over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and scattering scrub cedar and pinon timber.
0.85	Draw, drains S., 10 ft. below sec. cor.; asc.
5.95	Spur, projects S., 50 ft. above draw; desc.
9.05	Draw, drains S., 10 ft. below spur; asc.
22.85	Spur, projects S., 180 ft. above draw; desc.
24.35	Draw, drains S., 25 ft. below spur; asc.
39.87½	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground on solid rock and 14 ins. in a mound of stone, for ¼ sec. cor., with brass cap mkd.
	¼ S 23 / S 26
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	No suitable bearing trees available.
40.20	The old ¼ sec. cor., which is a limestone, 10 x 8 x 4 ins. firmly set and mkd. as described by the surveyor general, brs. S., 105 lks. dist. I destroy the old cor.
40.85	Ridge, brs. NE. and SW., 265 ft. above draw; desc.
64.15	Head of draw, drains N., 205 ft. below ridge; road in draw, brs. N. and S.; asc.
74.65	Ridge, brs. NE. and SW., 205 ft. above draw; desc.
79.75	80 ft. below ridge.
	The cor. of secs. 22, 23, 26 and 27.
	Land, mountainous.
	Soil, gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedar and pinon.

Chains

West on random line bet. secs. 22 and 27.

40.00 Set temp. ¼ sec. cor.

70.19 Intersect the E. bdy. of sec. 21, N., 5.03 chs. dist. from the cor. of secs. 21 and 28.

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 7 S
S 22
S 27
R 3 W

1918

from which

A cedar, 8 ins. diam., bears N. 48° 30' E., 108 lks. dist., mkd. T 7 S R 3 W S 22 B T

A cedar, 10 ins. diam., bears S. 27° 30' E., 34 lks. dist., mkd. T 7 S R 3 W S 27 B T.

East on true line bet. secs. 22 and 27.

Desc. over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and scattering scrub cedar timber.

4.30 Draw, drains S., 75 ft. below sec. cor.; asc.

10.00 Spur, projects S., 30 ft. above draw; desc.

25.40 Draw, drains S., 145 ft. below spur; asc.

30.19 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock and 6 ins. in a mound of stone for the ¼ sec. cor., with brass cap mkd.

S 22
¼
S 27

1918

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

No suitable bearing trees available.

Cor. stands on spur, projecting S., 55 ft. above draw.

Descend.

44.20 Wash, 10 lks. wide, 3 ft. deep, in bottom of canyon, 55 ft. below spur, drains SW.; asc.

45.70 Old road, brs. NE. and SW.

53.70 Draw, drains NW., 50 ft. above canyon; asc.

Chains	
57.30	Spur, projects S., 95 ft. above canyon; desc.
61.00	Recross draw, drains SW., 10 ft. below spur; asc.
70.19	220 ft. above draw.
	The cor. of secs. 22, 23, 26 and 27.
	Land, mountainous.
	Soil, gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedar.

	N. 0° 05' W., bet. secs. 22 and 23.
	Asc. over mountainous land, through sagebrush, yellow top shadscale and grass undergrowth, and scattering scrub cedar timber.
1.30	Spur, projects W., 10 ft. above sec. cor.; desc.
21.20	Canyon, drains SW., 245 ft. below spur.
	Road in canyon, brs. NE. and SW.; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and 12 ins. in a mound of stone, for ¼ sec. cor., with brass cap mkd.
	¼ S 22 | S 23 1918 from which
	A cedar, 8 ins. diam., bears N. 75° 30' E., 121 lks. dist., mkd. ¼ S 23 B T.
	No other suitable bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
50.00	Ridge, brs. E. and W., 375 ft. above canyon; desc.
53.40	Head of draw, drains NE., 75 ft. below ridge; asc.
58.30	Spur, projects E., 40 ft. above draw; desc.
63.10	Draw, drains E., 100 ft. below spur; asc.
73.50	Spur, projects SE., 165 ft. above draw; desc.
75.10	Head of draw, drains E., 5 ft. below spur; asc.
77.50	Ridge, brs. NE. and SW., 10 ft. above draw; desc.
80.00	50 ft. below ridge.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in

Chains	
	the ground, for the cor. of secs. 14, 15, 22 and 23, with brass cap mkd.
	T 7 S | R 3 W S 15 | S 14 S 22 | S 23 1918 from which
	A cedar, 8 ins. diam., bears N. 80° E., 77 lks. dist., mkd. T 7 S R 3 W S 14 B T.
	A cedar, 10 ins. diam., bears S. 68° E., 91 lks. dist., mkd. T 7 S R 3 W S 23 B T.
	A cedar, 10 ins. diam., bears S. 30° W., 34 lks. dist., mkd. T 7 S R 3 W S 22 B T.
	A cedar, 8 ins. diam., bears N. 20° W., 43 lks. dist., mkd. T 7 S R 3 W S 15 B T.
	Land, mountainous.
	Soil gray clay and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, sahdscale and grass.
	Timber, scattering scrub cedar.
	N. 89° 59' E., on random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
79.88	Intersect N. and S. line 9 lks. S. of the cor. of secs. 14 and 23.
	S. 89° 55' W., on true line bet. secs. 14 and 23.
	Desc. over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and scrub cedar and pinon timber.
8.00	Wash, 20 lks. wide, 6 ft. deep, in canyon, 10 ft. below sec. cor., drains NE.; asc.
18.20	Spur, projects NE., 120 ft. above wash; desc.
29.50	Old road, brs. NE. and SW.
30.00	Wash, 10 lks. wide, 3 ft. deep, in canyon, 70 ft. below spur, drains NE.; asc.
39.94	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground on solid rock and 12 ins. in mound of stone,

Chains	
	for the ¼ sec. cor., with brass cap mkd.
	¼ S 14 / S 23
	1918 from which
	A cedar, 8 ins. diam., bears N. 82° 30' E., 159 lks. dist., mkd. ¼ S 14 B T.
	A cedar, 10 ins. diam., bears S. 37° E., 121 lks. dist., mkd. ¼ S 23 B T.
42.00	Spur, projects SE., 200 ft. above wash; desc.
47.20	Ravine, drains SE., 60 ft. below spur; asc.
53.20	Spur, projects SE., 195 ft. above ravine; desc.
63.00	Ravine, drains SE., 195 ft. below spur; asc.
77.90	Ridge, brs. NE. and SW., 310 ft. above ravine; desc.
79.88	20 ft. below ridge.
	The cor. of secs. 14, 15, 22 and 23.
	Land, mountainous.
	Soil, gray clay, shale and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scrub cedar and pinon.

	West on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
70.06	Intersect the E. bdy. of sec. 16, N., 5.08 chs. dist. from the cor. of secs. 16 and 21.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 15 and 22, with brass cap mkd.
	T 7 S / S 15 / S 22 / R 3 W
	1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
	No suitable bearing trees available.
	East on true line bet. secs. 15 and 22.
	Over rolling land, through plowed field.

Chains	
5.16	Leave plowed field, enter sagebrush, yellow top, shadscal and grass undergrowth and scattering scrub cedar timber brs. N. and S.
7.30	Old road, brs. N. and S.
12.85	Old road, brs. N. and S.
15.50	Wash, 10 lks. wide, 2 ft. deep, drains N.60°W.; asc. spur
30.06	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., with brass cap mkd.
	¼ S 15 / S 22 1918 from which
	A cedar, 8 ins. diam., bears N. 72° W., 98 lks. dist., mkd. ¼ S 15 B T.
	A cedar, 10 ins. diam., bears S. 78° 30' W., 121 lks. dist., mkd. ¼ S 22 B T.
50.25	Spur, projects S., 160 ft. above wash; desc.
56.75	Ravine, drains S. 80° W., 30 ft. below spur; asc.
70.06	230 ft. above ravine.
	The cor. of secs. 14, 15, 22 and 23.
	Land of the W. 15.50 chs. of mile, rolling and of the remaining portion, mountainous.
	Soil of the W. 15.50 chs. of mile, gray clay and sandy loam, and of the remaining portion, gray clay, shale and gravel; shallow and rocky.
	Undergrowth, sagebrush, yellow top, shadscale and grass.
	Timber, scattering scrub cedar on W. half mile and a medium growth on E. half mile.
	N. 0° 05' W., bet. secs. 14 and 15.
	Desc. over mountainous land, through sagebrush, yellow top, shadscale and grass undergrowth, and scrub cedar and pinon timber.
3.00	Head of ravine, drains W., 45 ft. below sec. cor.; asc.
20.00	Ridge, brs. E. and W., 230 ft. above ravine; desc.
34.50	Draw, drains W., 300 ft. below ridge; asc.

Chains	
36.90	Spur, projects W., 5 ft. above draw;desc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., with brass cap mkd.

¼

S 15 | S 14

1918 from which

A cedar, 18 ins. diam., bears S. 56° 15' E., 89 lks. dist., mkd. ¼ S 14 B.T.

A cedar, 18 ins. diam., bears S. 4° 15' W., 69 lks. dist., mkd. ¼ S 15 B.T.

43.00	Old road, brs. E. and W.
43.20	Canyon, drains SW., 100 ft. below spur; asc.
61.90	Spur, projects SW., 290 ft. above canyon; desc.
75.80	Ravine, drains SW., 180 ft. below spur; asc.
82.61	90 ft. above ravine.

Intersect the S. bdy. of sec. 11, E., 1.41 chs. dist. from the cor. of secs. 10 and 11.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground on solid rock, and 18 ins. in a mound of stone, for closing cor. secs. 14 and 15, with brass cap mkd.

S 15 | S 14
T 7 S | R 3 W
C | C
1918 from which

A cedar, 18 ins. diam., bears S. 8° E., 91 lks. dist. mkd. CC T 7 S R 3 W S 14 B T.

A cedar, 16 ins. diam., bears S. 48° W., 123 lks. dist. mkd. CC T 7 S R 3 W S 15 B T.

Land, rough and mountainous.

Soil, gray clay, shale and gravel; shallow and rocky.

Undergrowth, sagebrush, yellow top, shadscale and grass.

Timber, dense scrub cedar and pinon.

LATITUDES, DEPARTURES, AND CLOSING ERRORS, T. 7S., R.3 W.

Line Designated	Bearing	Dist.	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		Chs.	Chs.	Chs.	Chs	Chs.
S. bdy. sec. 35	N.89°55'W.	40.21	0.06			40.21
" " " "	N.89°58'W.	39.79	.02			39.79
S. bdy. sec. 34	N.89°58'W.	1.53				1.53
" " " "	South,	5.60		5.60		
" " " "	N.89°51'W.	30.56	.08			30.56
" " " "	N.89°49'W.	40.03	.13			40.03
S. bdy. sec. 33	N.89°48'W	40.06	.14			40.06
" " " "	N.89°47'W.	40.04	.15			40.04
W. bdy. sec. 33	N.0° 20'E.	80.57	80.57		.47	
W. bdy. sec. 28	N.0° 43'E.	80.55	80.54		1.06	
W. bdy. sec. 21	N.0° 17'E.	39.71	39.71		.20	
" " " "	N.0° 04'E.	39.84	39.84		.05	
W. bdy. sec. 16	North	80.19	80.19			
W. bdy. sec. 9	N.0° 08'W.	40.08	40.08			.09
" " " "	N.0° 04'E.	40.16	40.16		.05	
W. bdy. sec. 4	N.0° 43'E.	94.85	94.84		1.19	
N. bdy. sec. 4	S.89°39'E.	40.31		.25	40.31	
" " " "	S.89°57'E.	11.40		.01	11.40	
" " " "	S.23°15'E.	6.65		6.11	2.63	
" " " "	East	11.80			11.80	
E. bdy. sec. 4	S.0° 41'E.	40.72		40.72	.49	
" " " "	S.0° 35'E.	40.45		40.45	.41	
N. bdy. sec. 10	N.89°49'E.	40.41	.13		40.41	
" " " "	S.89°52'E.	40.48		.09	40.48	
N. bdy. sec. 11	N.89°58'E.	40.68	.02		40.68	
" " " "	S.89°58'E.	40.54		.02	40.54	
E. bdy. sec. 11	S.0° 06'E.	80.30		80.30	.14	
W. bdy. sec. 13	S.0° 40'W.	40.54		40.54		.47
" " " "	S.0° 42'E.	40.57		40.57	.50	
W. bdy. sec. 24	S.0° 23'W.	40.63		40.63		.27
" " " "	S.0° 15'E.	39.57		39.57	.17	
W. bdy. sec. 25	S.0° 33'E.	42.12		42.12	.40	
" " " "	S.0° 06'E.	39.28		39.28	.07	
W. bdy. sec. 36	S.0° 11'E.	38.89		38.89	.12	
" " " "	S.0° 11'W.	40.81		40.81		.13
Convergency					.27	
Totals,			496.66	495.96	233.78	233.18
			495.96		233.18	
Error in lat. and dep.			0.70		0.60	

Search was made for corners along the old Fort Crittenden military reserve boundary in this township, and all cors. found were destroyed in accordance with the special instructions issued in connection with this Group.

GENERAL DESCRIPTION.

The land embraced in the extension survey of this township lies in a series of comparatively low hills forming the divide between Cedar Valley on the east, and Tooele Valley on the wast. The soil is mostly light clay and gravel, shallow and not adapted to agriculture. The land is covered with an average growth of native grass and sagebrush, and a growth of scattering and gnarled cedar and pinon.timber.

There are no settlers in the township; neither is there any water. This portion of the township is of limestone formation; and the land embraced therein is used for grazing purposes.

I noticed no indications of mineral or oil.

Jos. C. Thoma

U. S. Cadastral Engineer.

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4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Walter Byergo,	Chainman.
D. E. MacMillian,	Chainman.
Monte Conners,	Cornerman.
N. Young,	Axeman.
Grant Brown,	Flagman.
N. Young,	Chainman.
Ray Carson,	Cornerman.
E. A. Hall,	Axeman.
Kent Little,	Flagman.

6—2764

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

I, Jos. C. Thoma, U.S.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 18th day of October, 191 6, 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 the retracement a resurvey of the East, North, and South boundaries; and the retracemen resurvey, and survey of the subdivision of T. 7 S., R. 3 W.,

of the Salt Lake Base and Meridian, in the State of Utah, which are represented i the foregoing field notes and date diagram on page 1 as having been executed by me, and under my direction; on dates shown on said diagram; and that all the corners o said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc 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.

Dated:
Washington, D.C.
March 14, 1919.

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Aug. 3, 1920

The foregoing field notes of the ~~survey of~~ retracement and resurvey of the east, north, and south boundaries; and the retracement, resurvey, and survey of the subdivisional lines of Township No. 7 South, Range No. 3 West of the Salt Lake Base and Meridian, Utah,

executed by Jos. C. Thoma

under ~~his~~ special instructions dated October 18, 191 6 having been critically examined, and the necessary corrections and explanations made, the said field notes, and the retracements, resurveys and surveys they describe, are hereby approved.

A. O. Shoreen
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-442

E.

FIELD NOTES

U. S. Surveyor General's Office
JAN 26 1920
SALT LAKE CITY, UTAH

OF THE ~~SURVEY OF THE~~

RETRACEMENT AND RESURVEY OF THE EAST BOUNDARY; THE

RESURVEY OF THE NORTH AND WEST BOUNDARIES;

AND THE

SUBDIVISION OF T. 9 S., R. 3 W.

Of the Salt Lake Base and *Meridian,*

n the State of Utah.

EXECUTED BY

Jos. C. Thoma,

U. S. Cadastral Engineer

~~*n the capacity of U. S. Surveyor*~~, *under instructions dated* October 18, *1916*,

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

Group No. 59, *which were approved by the Commissioner of the General Land*

Office, November 24, *1916*, Assignment Instructions dated June 19,

1917; Supplemental Assignment Instructions dated June 6, 1918, and

~~*Congress dated*~~, ~~*191*~~

May 12, 1919.

Survey commenced August 9, *1918.*

Survey completed July 24, *1919.*

Examination Classified

A Plat M.F.Y Notes K.F.B.

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

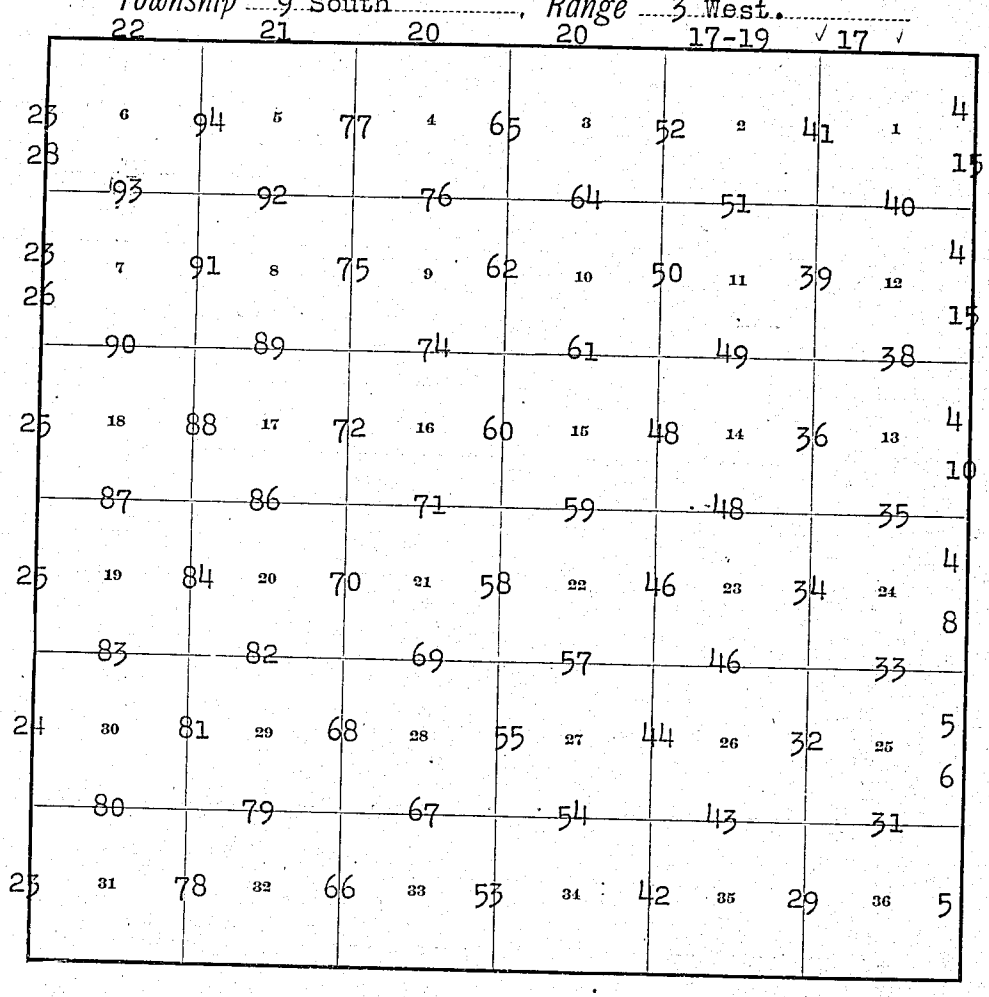
Comparing

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

BOOK A-442

INDEX DIAGRAM.

Township 9 South, *Range* 3 West.



Location of Mineral Monuments, Pages 95 and 96.

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INDEX DIAGRAM.

Township 9 S, Range 3 W

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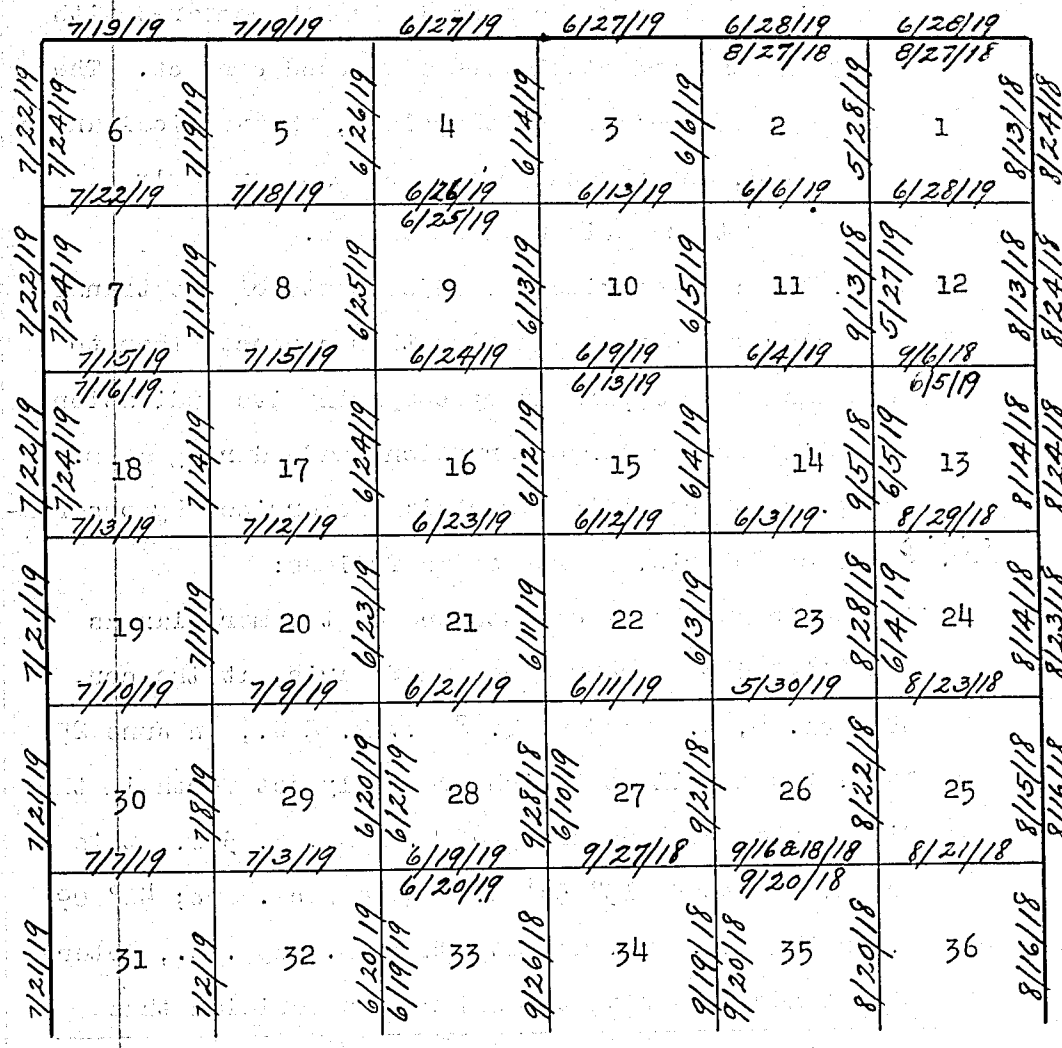
6—1817

H. S. Mineral Monuments 517 & 518

Date Diagram.

T. 9 S., R. 3 W.



Survey commenced August 9, 1918, and executed with Buff & Buff transit No. 9218; the instrument is equipped 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 for district No. 6, subject to satisfactory field tests.

Description and Tests of Instrument.

Chains.

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 measurements properly reduced to true horizontal distances.

Aug. 9, 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 observations on Polaris, I proceed as follows:

With the transit on the south end of the meridian as established by observations on Polaris, at the cor. of secs. 4, 5, 8 and 9, T. 8 S., R. 2 W., on June 25, 1918, the details of which are fully set forth in the field notes of the survey of T. 7 S., R. 3 W., this Group, I set off 15° 58' N. on the decl. arc; 40° 09' N. on the lat. arc, and at 10h a. m., app. t., determine a meridian with the solar; the meridian thus determined coincides with the meridian as determined by Polaris.

I set off 15° 56' N. on the decl. arc, and at app. noon observe the sun on the meridian, the resulting lat. is 40° 09' N.

At 2h, p. m., app. t., I set off 40° 09' N. on the lat. arc; 15° 55' N. on the decl. arc, and determine a meridian with the solar; the meridian thus determined falls 1' east of the meridian as determined by Polaris observations.

The solar attachment by a. m. and p. m. observations defines positions for meridians that do not vary more than 1' in arc from meridians established by observations on Polaris. I therefore conclude that the adjustments of the solar and transit are satisfactory.

August 9, 1918.

Test of Instrument, T. 9 S., R. 3 W.

Chains.

May 22, 1919: At my camp near the cor. of secs. 10, 11, 14 and 15, in approximate latitude 40° 02' N., and longitude 112° 09' 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 . . . . 70° 15'
Reduced latitude, ... 40° 02' N.

Mean watch time of observation, 1h 25m 50s
Watch fast of local mean time, 1h 29m 26s

May 22, 1919: At the same station, at 2h p. m., app. t., I set off 40° 02' N. on the lat. arc, 20° 18' N. on the decl. arc, and determine a meridian with the solar, and note that a prominent pointed tree on a ridge approximately three miles North of my station bears N. 0° 3' W. I use this as a reference line for subsequent Polaris observations.

May 22, 1919.

May 23, 1919: At the same station, at 4h 16.4m, a. m., l. m. t., I make an hour angle observation on Polairs east of the meridian, making four observations, two each with the telescope in direct and reversed positions, and note the bearing of the tree, by mean readings, to be N. 0° 3' 30" W. The mean horizontal angle from Polaris to tree is 1º 30' 30" to the W. Azimuth of Polaris is 1° 27' to the E.

May 23, 1919: At the same station, at 8h 30m, a. m., app. time, I set off 40°02' N. on the latitude arc; 20° 27' N. on the decl. arc, and determine a meridian with the solar, the meridian thus determined gives the bearing of the tree to be N. 0° 4' W.

The instrument was frequently tested on a Polaris meridian during the progress of the survey and kept

Chains.	
	in good adjustment. Noon tests for latitude and declination were made every day when practicable.
	Retracement of the E. Bdy., T. 9 S., R. 3 W.
	From the cor. of Tps. 8 and 9 S., Rgs. 2 and 3 W.
	(For cor. descriptions, see notes of resurvey of E. Bdy.)
	South, on retracement line, bet. secs. 1 and 6.
40.39	Fall 4 lks. E. of the ¼ sec. cor.
	The course of this line is therefore S. 0° 3' W., and the dist. is 40.39 chs.
	Continue same line with continuous measurement.
80.64	Fall 12 lks. E. of the cor. of secs. 1, 6, 7 and 12.
	The course of this line is therefore S. 0° 7' W., and the dist. is 40.25 chs.
	From the cor. of secs. 1, 6, 7 and 12.
	South, on retracement line bet. secs. 7 and 12.
40.41	Fall 3 lks. W. of the ¼ sec. cor.
	The course of this line is therefore S. 0° 3' E., and the dist. is 40.41 chs.
	From the ¼ sec. cor. with continuous measurement.
80.48	Fall 52 lks. W. of the cor. of secs. 7, 12, 13 and 18.
	The course of this line is therefore S. 0° 45' E., and the dist. is 40.07 chs.
	From the cor. of secs. 7, 12, 13 and 18.
	South, on retracement line bet. secs. 13 and 18.
39.85	Fall 10 lks. W. of the ¼ sec. cor.
	The course of this line is therefore S. 0° 9' E., and the dist. is 39.85 chs.
	Continue same line with continuous measurement.
80.23	Fall 22 lks. W. of the cor. of secs. 13, 18, 19 and 24.
	The course of this line is therefore S. 0° 10' E., and the dist. is 40.38 chs.
	From the cor. of secs. 13, 18, 19 and 24.
	South, on retracement line bet. secs. 19 and 24.
39.64	Intersect the ¼ sec. cor.
	The course of this line is therefore South, and the dist. is 39.64 chs.
	Continue same line with continuous measurement.

Chains	
79.64	Or 40.00 chs. from the ¼ sec. cor.; after diligent search find no evidence of the cor. of secs. 19,24,25 and 30.
	From the 40.00 chain point.
	Sputh, on retracement line bet. secs. 25 and 30.
40.00	After diligent search find no evidence of the ¼ sec. cor.
82.32	Fall 52 lks. W. of the cor. of secs. 25, 30, 31 and 36.
	The course of this line is therefore S.0°15'E., and the proportionate dist. for each half mile is 40.77 chs.
	From the cor. of secs. 25, 30, 31 and 36.
	South, on retracement line bet. secs. 31 and 36.
39.80	Fall 23 lks. W. of the ¼ sec. cor.
	The course of this line is therefore S. 0° 20' E., and the dist. is 39.80 chs.
	From the ¼ sec. cor. with continuous measurement.
43.82	Intersect the the S. bdy. of T. 9 S., R. 2 W., 7.94 chs. West of the NW. cor. of T. 10 S., R. 2 W.
	The course of this line is therefore South, and the dist. is 4.02 chs.
	From the cor. Resurvey of the E. Bdy. T. 9 S., R. 3 W.
	From the cor. of Tps. 9 and 10 S., R. 3 W.
	N. 0° 31' E., on resurvey line bet. secs. 6 and 36.
	(For description and establishment of twp. cor. and the derivation of course, see notes of T. 10 S., R. 3 W.)
	Desc. over mountainous land, through dense sagebrush, scrub oak and maple undergrowth.
35.85	The NW. cor. of T. 10 S., R. 2 W., described in the notes of T. 10 S., R. 3 W., this Group.
	From the cor. of T. 10 S., R. 2 W.
	West,
7.94	Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground for the SW. cor. of T. 9 S., R. 2 W., with brass cap mkd.
	T 9 S R 2 W S 31 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, NE. of cor.
	From the SW. cor. of T. 9 S., R. 2 W.,
	North, on resurvey line bet. secs. 31 and 36.

Chains.	
	Desc. over mountainous land, through sagebrush undergrowth
.40	Draw, drains E., 20 ft. below twp. cor.; asc.
4.02	The old ¼ sec. cor. for secs. 31 and 36, which is
	A granite, 12x12x6 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 secs 31 and 36, with brass cap mkd.
	¼ S 36 | S 31 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	From the ¼ sec. cor.
	N. 0° 20' W., on resurvey line bet. secs. 31 and 36.
16.80	Wash, 20 lks. wide, 5 ft. deep, in bottom of canon,
	drains NE., 80 ft. below ¼ sec. cor.; asc.
27.40	Top of asc., bears NW. and SE., 320 ft. above wash; desc.
32.70	Trail, bears NW. and SE.
35.30	Draw, drains E., 60 ft. below top of asc.; asc.
38.40	Spur, projects E., 60 ft. above draw; desc.
39.80	The cor. of secs. 30 and 31, which is
	A limestone, 18x20x14 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. 30 and 31, with brass cap mkd.
	T 9 S S 30 | S 31 R 2 W 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	I destroy all mks. on old cor. pertaining to R. 3 W.
	Land mountainous.
	Soil, clay, gravel, shale, limestone boulders and ledges.
	Timber, scattering cedar and pinon, maple and mahogany.
	Undergrowth, sagebrush, deer and service brush.
	Eastern exposure. Limestone formation. Fair grazing.
	From the cor. of secs. 30 and 31.

Chains. N. 0° 15' W., on resurvey line along the W. bdy. sec. 30.

Desc. over mountainous land, through scattering cedar, pinon, scrub maple and mahogany timber.

.33 Or 80.00 chs. northing from the cor. of Tps. 9 and 10 S., R. 3 W.,

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. 25 and 36, with brass cap mkd.

T 9 S
S 25 | S 36
R 3 W
1918

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

9.00 Draw, drains SE., 80 ft. below sec. cor.; asc.

20.80 Ridge, bears SE. and W., 160 ft. above draw; desc.

32.40 Ravine, drains SE., 160 ft. below ridge; asc.

33.25 A small log cabin bears W., approximately 30 lks.

39.00 Spur, projects E. 220 ft. above ravine; desc.

40.33 Point for ¼ sec. cor. for sec. 25 falls in edge of gully. impracticable to establish permanent cpr.

40.40 Gully drains E., thence S., 60 ft. below spur; asc.

40.77 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. for sec. 30, and the witness ¼ sec. cor. for sec. 25, with brass cap mkd.

¼
S 25 WC | S 30
1918

from which

A pinon, 18 ins. diam., bears S. 0° 15' E., 120 lks. dist., mkd. ¼ S 30 BT.

No other trees within limits suitable for bearing trees.

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

54.60 Spur, projects E., 430 ft. above gully; desc.

62.40 Ravine, drains E., 80 ft. below spur; asc.

69.80 Spur, projects E., 260 ft. above ravine; desc.

75.00 Gully, drains E., 30 ft. below spur; asc.

Chains.
80.33 Set an iron post, 3 ft. long, 2 ins. diam., 20 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 9 S
S 24
S 25
R 3 W

1918 from which

A pine, 8 ins. diam., bears N. 27° 45' W., 329 lks. dist., mkd. T9S R3W S24 BT.

A pine, 10 ins. diam., bears S. 39° W., 114 lks. dist., mkd. T9S R3W S25 BT.

81.54 Proportionate measurement. 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 restored cor. of secs. 19 and 30, with brass cap mkd.

T 9 S
S 19
S 30
R 2 W

1918

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

No trees within limits suitable for bearing trees.

Land, rough mountainous.

Soil, light clay, gravel, shale, limestone boulders and ledges.

Timber, scattering cedar, pinon, pine, scrub maple and mahogany.

Undergrowth, sagebrush, black sage, deer brush and service brush.

General eastern exposure. Limestone formation. Fair grazing.

From the restored cor. of secs. 19 and 30.

N. 0° 15' W., on resurvey line along the W. bdy. of sec. 19.

Desc. over mountainous land, through scattering cedar.

Chains.	
	and pinon timber.
8.60	Draw, drains SE., 130 ft. above sec. cor.; continue desc.
15.10	Ridge, bears NE. and SW., 90 ft. above draw; desc.
29.40	Spur, projects NE., 30 ft. below ridge; desc.
38.79	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 24, with brass cap mkd.
	¼ | S 24 | 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
40.77	The ¼ sec. cor., which is
	A limestone, 12x10x4 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. 19, with brass cap mkd.
	| ¼ | S 19 | 1918 from which
	A pine, 6 ins. diam., bears N. 66°, 45' E., 78 lks. dist., mkd. ¼ S19 BT.
	A pine, 8 ins. diam., bears S. 56° 30' E., 64 lks. dist., mkd. ¼ S 19 BT.
	From the ¼ sec. cor. for sec. 19, with continuous measurement.
47.40	Ravine, drains NE., 180 ft. below ¼ sec. cor.; asc.
47.70	Spur, projects E., 10 ft. above ravine; desc.
48.80	Draw, drains NE., 40 ft. below spur; continue desc.
50.90	Draw, drains E., 90 ft. below previous draw; asc.
58.30	Top of asc., bears E. and W., 40 ft. above draw; desc.
72.30	Trail, bears NE. and W.
73.20	Draw, drains E., 150 ft. below top of asc.; asc.

Chains.

78.79 Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 13 and 24, with brass cap mkd.

T 9 S S 13
S 24 R 3 W

1918 from which

A pinon, 6 ins. diam., bears S. 39° 30' W., 131 lks. dist., mkd. T9S R3W S24 BT.

A pinon, 24 ins. diam., bears N. 61° W., 203 lks. dist., mkd. T9S R3W S13 BT.

80.41 The cor. of secs. 18 and 19, which is

A limestone, 15x12x8 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., 20 ins. in the ground, on solid rock, in large mound of stone for the cor. of secs. 18 and 19, with brass cap mkd.

T 9 S S 18
S 19 R 2 W

1918

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

Destroy all mks. on cor. and accessories pertaining to secs. 13 and 24.

Land, rough mountainous.

Soil, light clay, shale, limestone boulders and ledges.

Timber, scrub cedar, pinon, scattering pine, maple and mahogany.

Undergrowth, sagebrush, yellow top, black sage, deer brush and service brush.

General eastern exposure. Limestone formation. Fair grazing.

Meas. the cor. of secs. 18 and 19.

Chains.	
	N. 0° 10' W., on resurvey line along the W. bdy. sec. 18.
	Asc. over rough mountainous land, through scattering cedar and pinon timber, sagebrush, maple and service brush undergrowth.
2.10	Spur, projects E., 30 ft. above sec. cor.; desc.
15.20	Old road, nears E. and W.
19.30	Draw, drains E., 240 ft. below spur; asc.
21.60.	Spur, projects E., 90 ft. above draw; desc.
24.60	Draw, drains E., 50 ft. below spur; asc.
32.70	Spur, projects SE., 170 ft. above draw; desc.
37.20	Ravine, drains E., 110 ft. below spur; asc.
38.38	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. for sec. 13, with brass cap mkd.

¼ | S 13 | 1918

from which

A cedar, 8 ins. diam., bears N. 21° 45' W., 104 lks. dist., mkd. ¼ S13 BT.

A cedar, 8 ins. diam., bears N. 83° 45' W., 96 lks. dist., mkd. ¼ S13 BT.

40.38	The old ¼ sec. cor., which is

A limestone, 15x12x6 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., 8 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor. for sec. 18, with brass cap mkd.

¼ | S 18 | 1918

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

No trees within limits suitable for bearing trees.

From the ¼ sec. cor. with continuous measurement.

N. 0° 9' W.

Chains.	
41.90	Spur, projects SE., 110 ft. above ravine; desc.
46.60	Draw, drains E., 80 ft. below spur; asc.
57.20	Spur, projects E., 140 ft. above draw; desc.
73.70	Road, bears E. and W.
73.90	Ravine, drains E., 40 ft. below spur; asc.
74.60	Spur, projects E., 10 ft. above ravine; desc.
77.10	Ravine, drains E., 30 ft. below spur; asc.
78.38	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 12 and 13, with brass cap mkd.

T 9 S
S 12
S 13
R 3 W

1918.

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
No trees within limits suitable for bearing trees.
From this cor., a 1-story frame miner's cabin (abandoned) bears S. 46° W., approximately 12 chs. dist.
Another frame cabin bears S. 37° 45' W., approximately 16 chs. dist.

80.23	The cor. of secs. 7 and 18, which is

A limestone, 12x15x8 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., 20 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 7 and 18, with brass cap mkd.

T 9 S
S 7
S 18
R 2 W

1918

Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
Destroy all mks. on corner and accessories pertaining to R. 3 W.
Land, rough mountainous.

Resurvey of the E. bdy., T. 9 S., R. 3 W.

Chains.	
	Soil, light clay and sand, limestone boulder and ledges.
	Timber, scattering cedar and pinon.
	Undergrowth, sage and yellow brush, shadscale and June grass.
	General eastern exposure. Limestone formation. Fair grazing.

	From the cor. of secs. 7 and 18.
	N. 0° 45' W., on resurvey line along the W. bdy. of secs 7.
	Asc. over mountainous land, through scattering cedar and pinon timber; sagebrush and shadscale undergrowth.
10.20	Top of asc., bears NE. and SW., 370 ft. above cor.; desc.
23.10	Draw, drains NE., 240 ft. below top of asc.; continue desc.
28.70	Swale, drains NE., 40 ft. below draw; continue desc.
38.15	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 12, with brass cap mkd.
	¼ | S 12 | 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
38.40	Trail, bears NE. and SW.
40.07	The old ¼ sec. cor., which is
	A limestone, 8x6x10 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. 7, with brass cap mkd.
	¼ | S 7 | 1918

Chains.	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	No trees within limits suitable for bearing trees.
	From the ¼ sec. cor. with continuous measurement.
	N. 0° 03' W.
43.00	Draw, drains E., 230 ft. below swale; continue desc.
53.80	Old road, bears NE. and SW.
74.90	Draw, drains NE., 80 ft. below previous draw; continue desc.
78.00	Draw, drains NE., 10 ft. below previous draw; continue desc.
78.15	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 9 S
S 1
S 12
R 3 W

1918

from which

A cedar, 8 ins. diam., bears N. 47° 45' W., 99 lks. dist., mkd. ¼ S1 BT.

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No other trees within limits suitable for bearing trees.
80.48	The old cor. cor. for secs. 6 and 7, which is
	A limestone, 8x14x10 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. 6 and 7, with brass cap mkd.

T 9 S
S 6
S 7
R 2 W

1918

	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	No trees within limits suitable for bearing trees.
	Land, mountainous.

Chains	
	Soil, light clay and sand; limestone boulders and limestone outcropping.
	Timber, scattering cedar and pinon.
	Undergrowth, sage and yellow brush, June grass and shad scale.
	General eastern exposure with the drainage to the NE. Limestone formation. Fair grazing.

	From the cor. of secs. 6 and 7.
	N. 0° 07' E., on resurvey line along the W. bdy. of sec. 6.
	Desc. over rolling land, through very scattering cedar and pinon timber, and sagebrush undergrowth.
8.30	Draw, drains E., 20 ft. below sec. cor.; asc.
12.20	Old road, bears NW. and SE.
20.20	Draw, drains E., 20 ft. above previous draw; desc.
33.90	Wash, 12 lks. wide, 6 ft. deep, drains N. 20° E., 20 ft. below draw; thence over nearly level land.
37.20	Draw, drains NE., level with wash.
37.67	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, on solid rock, in mound of stone, for the ¼ sec. cor. for sec. 1, with brass cap mkd.
	¼ | S 1 | 1918.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
40.25	The old ¼ sec. cor., which is
	A limestone, 8x12x6 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. 6, with brass cap mkd.

Chains.	
	$\frac{1}{4}$ S 6 1918
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of cor.
	No trees within limits suitable for bearing trees.
	From the $\frac{1}{4}$ sec. cor. with continuous measurement:
	N. 0° 03' E.,
42.10	Draw, drains NE., level with the previous draw; asc.
45.40	Spur, projects E., 30 ft. above draw.
50.20	Head of draw, drains NE., level with top of spur; desc.
67.50	Swale, drains NE., 50 ft. below head of draw; continue gradual desc.
80.64	The cor. of Tps. 8 and 9 S., Rgs. 2 and 3 W., which is
	A limestone, 10x18x8 ins. above ground, firmly set; mkd. 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. 8 and 9 S., Rgs. 2 and 3 W., with brass cap mkd.

T 8 S.
R 3 W | R 2 W
S 36 | S 31
S 1 | S 6
T 9 S
1918

from which

A cedar, 16 ins. diam., bears S. 62° W., 702 lks., dist., mkd. T9S R3W S1 BT.

No other trees within reasonable distance suitable for bearing trees.

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

Land, rolling.

Soil, light sandy loam and gravel, shallow and rocky.

Timber, very scattering scrub cedar and pinon.

Undergrowth, salt sage.

Eastern exposure. Limestone formation. Good grazing.

RETRACEMENT OF A PORTION OF THE S. BDY.,

T. 8 S., R. 3 W.

Retracement of a portion of the S. bdy., T. 8 S., R. 3 W.

Chains.	
	From the cor. of Tps. 8 and 9 S., Rgs, 2 and 3 W.
	West, on retracement line bet. secs. 1 and 36.
40.04	The ¼ sec. cor. bet. secs. 1 and 36.
	The course of this line is therefore West, and the dist. is 40.04 chs.
	Continue same line with continuous measurement.
80.12	The cor. of secs. 35 and 36.
	The course of this line is therefore West, and the dist. is 40.08 chs.

	From the cor. of secs. 35 and 36.
	West, on retracement line along the S. bdy. of sec. 35.
39.97	Fall 1 lk. N of the ¼ sec. cor.
	The course of this line is therefore S. 89° 59' W., and the dist. is 39.97 chs.
	Continue same line with continuous measurement.
79.77	Fall 9 lks. S. of the cor. of secs. 34 and 35.
	The course of this line is therefore N. 89° 51' W., and the dist. is 39.80 chs.

	Resurvey of the N. bdy., T. 9 S., R. 3 W.
	From the cor. of twps. 8 and 9 S., Rgs. 2 and 3 W.
	West, resurveying the N. bdy. of T. 9 S., R. 3 W., bet. secs. 1 and 36.
	Asc. gradually over rolling mountainous land, through dense sagebrush and yellowtop undergrowth.
2.40	Wash, 30 lks. wide, 4 ft. deep, drains N. 80° E., 10 ft. above cor.; continue asc.
7.60	Same wash, drains SE., 30 ft. above previous crossing; continue asc.
17.20	Same wash. drains NE., 60 ft. above previous crossing; continue asc.
30.10	Same wash, drains SE., 80 ft. above previous crossing; continue asc.

Chains.	
32.29	True point for the ¼ sec. cor. for sec. 1, falls near the edge of wash; impracitcable to set cor. with any degree of permanency.
33.04	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the witness ¼ sec. cor. for sec. 1, with brass cap mkd.
	¼ S 1 / WC / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
40.04	The old ¼ sec. cor., which is
	A limestone, 7x7x9 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., 14 ins. in the ground, on solid rock, in large mound of stone, 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, N. of cor.
64.50	Spur, projects NE., 500 ft. above wash; desc.
72.29	Point for the cor. of secs. 1 and 2; (For establishment and description of cor., see notes of line bet. secs. 1 and 2, this book)
76.30	Gulch, drains NE., 20 ft. below spur; asc.
80.12	The cor. of secs. 35 and 36, which is
	An iron post, 3 ins. diam., 18 ins. above ground, firmly set; mkd. as described by the surveyor general. I destroy all mks. on this cor. pertaining to T. 9 S.; and move mound of stone from the W. to N.
	Land, rolling mountainous.
	Soil, light coarse gravel, shallow.
	Timber, none.
	Undergrowth, sagebrush, shadscale and yellowtop.
	Northeastern exposure. Limestone formation. Fair grazing.

Chains.	
	From the cor. of secs. 35 and 36.
	S. 89° 59' W., on resurvey line along the S. bdy. sec.35.
	Asc. over mountainous land, through scattering scrub cedar and pinon timber, sagebrush undergrowth.
2.90	Gulch, drains SE., 20 ft. above cor.; continue asc.
9.70	Leave scattering cedar and pinon timber, bears N. and S.
10.90	Ridge, and divide bet. Cedar Valley and Broad Canon, bears N. and S., 110 ft. above gulch; desc.
32.17	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 2, with brass cap mkd.
	¼ S 2 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
32.40	Spur, projects NW., 50 ft. below ridge; continue desc.
39.97	The ¼ sec. cor. for sec. 35, which is
	An iron post, 1 in. diam., firmly set in mound of stone; mkd. and witnessed as described by the surveyor general.
	Destroy all mks. on this cor. pertaining to sec. 2.
	N. 89° 51' W. with continuous measurement,
41.20	Draw, drains NW., 30 ft. below ¼ sec. cor.; continue desc.
60.20	Road in bottom of Broad Canon, bears N. and S.
61.30	Broad Canon Wash, 70 lks. wide, 12 ft. deep; drains N., asc.
61.70	Power line to Scranton bears N. 80° E., and S. 80° W.
69.70	Enter dense cedar and pinon timber, bears N. and S.
72.17	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 35 S 3 | S 2 T 9 S R 3 W 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	No trees within limits suitable for bearing trees.
79.77	The cor. of secs. 34 and 35, which is

Chains.	
	An iron post, 3 ins. diam., firmly set in mound of stone, mkd. as described by the surveyor general.
	Destroy all mks. on this cor. pertaining to T. 9 S.
	Land, mountainous.
	Soil, light gravel, shallow, with limestone outcroppings.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, sagebrush, yellow top and grass.
	General northern exposure. Limestone formation. Good grazing.
	From the cor. of secs. 34 and 35.
	West, on resurvey line along the S. bdy. sec. 34.
32.40	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., sec. 3, with brass cap mkd.
	¼ S 3 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
40.00	The ¼ sec. cor. for sec. 34. An iron post, 1 in. diam., firmly set; mkd. as described by the surveyor general.
	Destroy all mks. on this cor. pertaining to sec. 3.
72.40	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 3 and 4, with brass cap mkd.
	S 34 S 4 | S 3 T 9 S R 3 W 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
80.00	The cor. of secs. 33 and 34. An iron post, 2 ins. diam. firmly set, mkd. as described by the surveyor general.
	Destroy all mks. on this cor. pertaining to T. 9 S.
	From the cor. of secs. 33 and 34.
	West, on resurvey line along the S. bdy. of sec. 33.
32.40	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 4, with brass cap mkd.

Resurvey of the N. Bdy., T. 9 S., R. 3 W.

Chains.	
	¼ S 4 1919 from which A pinon, 12 ins. diam., bears S. 52° E., 35 lks. dist., mkd. ¼ S4 BT.
	No other trees within limits suitable for bearing trees.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
40.00	The ¼ sec. cor. for sec. 33, which is
	An iron post, 1 in. diam., firmly set, mkd. and witnessed as described by the surveyor general.
	I destroy all mks. on this cor. pertaining to T. 9 S.
72.40	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 4 and 5, with brass cap mkd. S 33 S 5 | S 4 T 9 S R 3 W 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
74.05	The closing cor. for secs. 32 and 33, which is
	An iron post, 2 ins. diam., firmly set; mkd. as described by the surveyor general.
80.00	A 3 in. iron post mkd. for four secs, but described by the surveyor general as referring to secs. 4 and 5 only. I destroy all mks. on this post and mark it AP for angle point.
	From the angle point
	West, on resurvey line along the S. bdy. of sec. 32.
32.40	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 5, with brass cap mkd. ¼ S 5 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
40.00	An iron post, firmly set, mkd. and witnessed as described by the surveyor general.

Chains.	
	I destroy all mks. on this post and mark same AP for angle point.
72.40	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 5 and 6, with brass cap mkd.
	S 32 / S 6 | S 5 / T 9 S R 3 W / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
74.03	The closing cor. for secs. 31 and 32, which is
	An iron post, 2 ins. diam., firmly set, mkd. and witnessed as described by the surveyor general.
80.00	An iron post, 3 ins. diam., marked for four secs., but described by the surveyor general as marked for two secs. I destroy all marks on this cor. and mark same AP for angle point.

	From the angle point
	West, on resurvey line along the S. bdy. of sec. 31.
32.40	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in large mound of stone for the ¼ sec. cor. for sec. 6, with brass cap mkd.
	¼ S 6 / 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
40.00	An iron post, 1 in. diam., firmly set, mkd. as described by the surveyor general. I destroy all mks. on this post, and mark same AP for angle point.
73.88	The cor. of Tps. 8 and 9 S., R. 3 W., (closing cor.) Which is
	An iron post, 3 ins. diam., firmly set in mound of stone, marked and witnessed as described by the surveyor general.

	Retracement of a portion of the W. Bdy., T. 9 S., R. 3 W.

Retracement of Portion of W. Bdy., T. 9 S., R. 3 W.

Chains.	
	From the cor. of secs. 12 and 13, T. 9 S., R. 4 W.,
	North, on retracement line along the E. bdy. of sec. 12.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
80.00	Fall 28 lks. E. of the cor. of secs. 1 and 12. (For description of cor., see notes of resurvey)
	The course of this line is therefore N. 0° 12' W., and the dist. is 80.00 chs.

	From the cor. of secs. 1 and 12.
	North, on retracement line along the E. bdy. of sec. 1
40.00	After diligent search, find no evidence of the ¼ sec. cor.
79.74	Fall 37 lks. E. of the cor. of Tps. 8 and 9 S., R. 4 W.,
83.94	Fall 37 lks. E. of the closing cor. for Tps. 8 and 9 S., R. 3 W.
	The course of this line is therefore N. 0° 16' W., and the dist. is 83.94 chs.

	Resurvey of the W. bdy., T. 9 S., R. 3 W.
	From the closing cor. of T. 9 S., Rgs. 3 and 4 W., which is
	An iron post, 3 ins. diam., 24 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.
	North, along the W. bdy. of T. 9 S., R. 3 W., bet. secs. 31 and 36.
35.72	The ¼ sec. cor. for sec. 36, which is
	An iron post, 1 in. diam., 12 ins. above ground, firmly set, mkd. and witnessed as described by the surveyor general.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 31, with brass cap mkd.
	¼ | S 31
	1919 from which

Resurvey of the W. bdy., T. 9 S., R. 3 W.

Chains.

A pinon, 14 ins. diam., bears N. 8° E.,
49 lks. dist., mkd. ¼ S 31 BT.

No other trees within limits suitable for bearing trees.

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

75.72 The cor. of secs. 25 and 36, which is

An iron post, 3 ins. diam., 12 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.

From the cor. of secs. 25 and 36.

North, on resurvey line along the E. bdy. of sec. 25.

4.28 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 30 and 31, with brass cap mkd.

T 9 S S 30
S 31 R 3 W

1919 from which

A spruce, 8 ins. diam., bears N. 56° E.,
41 lks. dist., mkd. T9S R3W S30 BT.

A pinon, 12 ins. diam., bears S. 10° E.,
28 lks. dist., mkd. T9S R3W S31 BT.

40.29 The ¼ sec. cor. for sec. 25, which is

An iron post, 1 in. diam., 12 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.

44.28 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 30, with brass cap mkd.

¼ S 30

1919 from which

A pinon, 24 ins. diam., bears S. 58° E.,
35 lks. dist., mkd. ¼ S30 BT.

No other trees within limits suitable for bearing trees.

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

Chains.

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

An iron post, 3 ins. diam., 12 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.

From the cor. of secs. 24 and 25.

North, on resurvey line along the E. bdy. of sec. 24.

3.70 Set an iron post, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 19 and 30, with brass cap mkd.

T 9 S
S 19

S 30
R 3 W

1919

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

40.32 The ¼ sec. cor. for sec. 24, which is

An iron post, 1 in. diam., 12 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.

43.70 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. for sec. 19, with brass cap mkd.

¼

S 19

1919

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

80.64 The cor. of secs. 13 and 24, which is

An iron post, 3 ins. diam., 12 ins above ground, firmly set; mkd. and witnessed as described by the surveyor general.

From the cor. of secs. 13 and 24.

North, on resurvey line along the E. bdy. of sec. 13.

3.06 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. 18 and 19, with brass cap mkd.

Chains.

T 9 S
S 18

S 19
R 3 W

1919

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

42.04 The ¼ sec. cor. for sec. 13, which is

An iron post, 1 in. in diam., 12 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general. I destroy all mks. on this post pertaining to R. 3 W.

43.06 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 18, with brass cap mkd.

¼

S 18

1919

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

82.04 The cor. of secs. 12 and 13, which is

An iron post, 3 ins. diam., 12 ins. above ground, firmly set; mkd. and witnessed as described by the surveyor general.

I destroy all marks on this post pertaining to R. 3 W.

From the cor. of secs. 12 and 13.

N. 0° 12' W., on resurvey line along the E. bdy. of sec. 12.

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

1.02 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 7 and 18, with brass cap mkd.

T 9 S
S 7

S 18
R 3 W

1919 from which

Resurvey of the W. bdy., T. 9 S., R. 3 W.

Chains.	
	A pinon, 12 ins. diam., bears N. 36° E., 151 lks. dist., mkd. T9S R3W S7 BT.
	No other trees within limits suitable for bearing trees.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
38.30	Wire fence, bears E. and W.
40.00	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor. for sec. 12, with brass cap mkd.
	¼ S 12 | 1919 from which
	A pinon, 8 ins. diam., bears S. 54° W., 43 lks. dist., mkd. ¼ S12 BT.
	A pinon, 8 ins. diam., bears N. 24° W., 115 lks. dist., mkd. ¼ S12 BT.
41.02	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 7, with brass cap mkd.
	| ¼ S 7 1919 from which
	A pinon, 8 ins. diam., bears N. 36° E., 151 lks. dist., mkd. ¼ S7 BT.
	A cedar, 6 ins. diam., bears N. 84° E., 101 lks. dist., mkd. ¼ S7 BT.
57.20	Road, Scranton to DelMonte, bears E. and W.
80.00	The cor. of secs. 1 and 12, which is
	A limestone, 8x14x5 ins. above ground, firmly set; mkd. as described by the surveyor general. I destroy all marks on this stone pertaining to R. 3 W., Alongside of stone
	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.

Chains.

T 9 S
S 1

S 12
R 4 W

1919 from which

A cedar, 8 ins. diam., bears N. 54° W., 115 lks. dist., mkd. T9S R4 W S 1 BT.

A cedar, 8 ins. diam., bears S. 62° W., 61 lks. dist., mkd. T9S R4W S12 BT.

Land, gently rolling.

Soil, light gravel and rocky.

Timber, scrub cedar and pinon.

Undergrowth, dense sagebrush.

General western and northwestern exposure. Limestone formation. Good grazing.

From the cor. of secs. 1 and 12, N. 0° 16' W., on resurvey line along the E. bdy. of sec. 1.

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

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

T 9 S.
S 6

S 7
R 3 W.

1919

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

No trees within limits suitable for bearing trees.

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

¼

S 1

1919

Chains.	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
41.02	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 6, with brass cap mkd.
	¼
	S 6
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
79.74	The cor. of Tps. 8 and 9 S., R. 4 W., which is
	An iron post, 3 ins. diam., 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	Corner established at wire fence corner; fence bearing N. and W., thence along N. and S. wire fence.
83.94	The closing twp. cor. for Tps. 8 and 9 S., R. 3 W., heretofore described.
	Land, gently rolling.
	Soil, light gravel and rocky.
	Timber, very scattering scrub cedar and pinon.
	Undergrowth, sagebrush, shadscale and grass.
	General northwestern exposure. Limestone formation.
	Good grazing.
	Subdivision, T. 9 S., R. 3 W.
	From the cor. of secs. 35 and 36, on the S. bdy. of the twp. (For description, see notes of the N. bdy., T. 10 S., R. 3 W., this Group)
	N. 0° 9' W., (being a course parallel to a mean course of the E. bdy. of this twp.) bet. secs. 35 and 36.
	Desc. abruptly over mountainous land, through dense sagebrush, service berry brush and scrub maple undergrowth.
9.10	Bottom of canon, 210 ft. below sec. cor, drains NE.; asc.
13.10	Enter dense cedar and pinon timber, bears R. and W.
22.20	Spur, projects E., 290 ft. above bottom of canon; desc. gradually over broken E. slope.

Chains.	
27.70	Swale, drains E., 110 ft. below spur; asc.
31.70	Spur, projects E., 10 ft. above swale; desc.
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

1918 from which

A cedar, 12 ins. diam., bears N. 21° 45' E., 275 lks. dist., mkd. ¼ S36 BT.

A pinon, 8 ins. diam., bears N. 12° 15' W., 310 lks. dist., mkd. ¼ S35 BT.

53.60	Canon, drains E., 400 ft. below spur; asc.
66.90	Spur, projects NE., 320 ft. above canon; desc.
79.60	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the witness cor. for secs. 25, 26, 35 and 36, with brass cap mkd.

T 9 S R 3 W
W C

S 26 | S 25

S 35 | S 36

1918 from which

A maple, 8 ins. diam., bears N. 59° 30' E., 53 lks. dist., mkd. T9S R3W S 36 WC BT.

A pine, 10 ins. diam., bears S. 63° 30' E., 44 lks. dist., mkd. T9S R3W S36 WC BT.

A maple, 10 ins. diam., bears S. 4° W., 50 lks. dist., mkd. T9S R3W S35 WC BT.

A maple, 4 ins. diam., bears N. 50° 45' W., 25 lks. dist., mkd. T9S R3W S35 WC BT.

80.00	True point for sec. cor. falls in bottom of canon draining NE., impracticable to set permanent cor.

Witness cor. established 380 ft. below spur.

Land, rough mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scrun cedar, pinon and maple, with scattering pine.

Chains.	
	Undergrowth; sagebrush, deer brush, service berry brush and scrub maple, choke cherry and mahogany.
	General eastern exposure. Limestone formation. Fair grazing.

	From the true point for the cor., of secs. 25, 26, 35 and 36.
	East, on random line bet. secs. 25 and 36.
40.00	Set temp ¼ sec. cor.
72.36	Intersect the E. bdy. of the twp., 28 lks. N. 0° 15' W. of the cor. of secs. 25 and 26.
	N. 89° 47' W., on true line bet. secs. 25 and 36.
	Asc. over mountainous land, through dense cedar, pinon and maple timber, sagebrush, service berry and mahogany undergrowth.
18.50	Swale, drains N. 80° E., 540 ft. above sec. cor.; continue asc.
32.36	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., with brass cap mkd.
	¼ S 25 / S 36 / 1918 from which
	A pinon, 8 ins. diam., bears due North, 45 lks. dist., mkd. ¼ S 25 BT.
	A cedar, 8 ins. diam., bears S. 56° 30' W., 108 lks. dist., mkd. ¼ S 36 BT.
45.60	Spur, projects N., 130 ft. above the ¼ sec. cor.; desc.
49.40	Swale, drains N., 50 ft. below spur; asc.
54.40	Spur, projects N., 30 ft. above swale; desc.
72.36	The cor. of secs. 25, 26, 35 and 36. (True point.)
	Land, mountainous.
	Soil, light clay and gravel; shallow and rocky.
	Timber, scrub cedar, pinon and maple.
	Undergrowth, sagebrush, service berry and mahogany.
	General northern exposure. Limestone formation. Good

Chains.	
	grazing.
	From the cor. of secs. 25, 26, 35 and 36. (True point.) N. 0° 09' W., bet. secs. 25 and 26.
	Asc. over mountainous land, through dense cedar, pinon, mahogany and maple timber, sagebrush, serviac berry and scrub oak undergrowth.
3.60	Swale, drains SE, 40 ft. above true point for sec.cor; continue asc.
13.70	Spur, projects E., 310 ft. above true point for sec. cor.; desc.
32.80	Old road bears NE. and SW.
33.20	Canon, drains NE., 470 ft. below spur; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, on solid rock, in mound of stone, for the ¼ sec. cor., with brass cap mkd.

¼

S 26 | S 25

1918 from which

A mahogany, 6 ins. diam., bears N. 33° 30' E., 28 lks. dist., mkd. ¼ S25 BT.

A mahogany, 8 ins. diam., bears N. 59° W., 31 lks. dist., mkd. ¼ S26 BT.

	Corner established 240 ft. above bottom of canon.
59.50	Ridge, bears NE? and SW., 390 ft. above ¼ sec. cor. desc. Leave dense timber, bears E. and W.
66.70	Swale, drains NE., 90 ft. below ridge; asc. gradually.
80.00	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. 23, 24, 25 and 26, with brass cap mkd.

T 9 S R 3 W

S 23 | S 24

S 26 | S 25

1918 from which

A mahogany, 12 ins. diam., bears S. 39° W.,

Subdivision of T. 9 S., R. 3 W.

Chains	
	96 lks. dist., mkd. T9SR3WS26BT.
	A mahogany, 8 ins. diam., bears N. 5° 30' W., 151 lks. dist., mkd. T9S R3W S23 BT.
	No other trees within limits suitable for bearing trees.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Cor. established 230 ft. below swale.
	Land, mountainous.
	Soil, dark, fine loam, shallow, and covered with limestone boulders.
	Timber, cedar, pinon, maple and mahogany.
	Undergrowth, sagebrush, service berry and oak brush, yellow top and grass.
	General SE. exposure. Limestone formation. Good grazing.

	From the cor. of secs. 23, 24, 25 and 26.
	S. 89° 47' E., on random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
71.96	Intersect the E. bdy. of the twp., 36 lks., S. 0° 15' E., of the cor. of secs. 24 and 25.
	S. 89° 56' W., on true line bet. secs. 24 and 25.
	Asc. over mountainous land, through dense cedar, pinon, and mahogany timber, sagebrush, scrub oak and service berry undergrowth.
12.80	Ridge, bears N. and S., 520 ft. above sec. cor.; desc.
31.96	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor. for secs. 24 and 25, with brass cap mkd.
	¼ S 24 / S 25
	1918 from which
	A cedar, 36 ins. diam., bears S. 17° E., 57 lks. dist., mkd. ¼ S25 BT.
	A pinon, 6 ins. diam., bears N. 14° 15' E., 49 lks. dist., mkd. ¼ S24 BT.

Chains.	
33.00	Gulch, drains SW.,; continue desc. Leave, dense, enter scattering timber, bears N. and S.
40.10	Portal of "Silver Dollar" tunnel bears S., approximately 4 chs. dist.
51.20	Canon, drains SE., 730 ft. below ridge; asc.
51.80	Well beaten trail bears NW. and SE.
68.30	Swale, drains NE., 300 ft. above bottom of canon; continue asc.
71.96	The cor. of secs. 23, 24, 25 and 26.
	Land, rough mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, scrub cedar, pinon, maple, mahogany.
	Undergrowth, sagebrush, service berry, chokecherry and scrub oak.
	Eastern exposure in the eastern portion; western exposure in the western portion. Limestone formation. Fair grazing.

	From the cor. of secs. 23, 24, 25 and 26.
	N. 0° 9' W., bet. secs. 23 and 24.
	Desc. over mountainous land, through dense sagebrush, scattering maple, service berry and mahogany undergrowth.
5.40	Head of canon, drains SW., 60 ft. below cor.; asc.
12.20	Enter scattering scrub cadar and pinon timber, bears E. and W.
22.10	Top of asc. and divide bet. Cedar Valley and Broad Canon, bears E. and W., 130 ft. above head of canon. Low saddle in divide approximately 5 chs. west. Desc.
29.00	Head of canon drains NE. appraximately 10 chs.; thence N. Dense aspen timber along canon bottom.
40.00	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.

S 23 | ¼ | S 24

1918

Chains.	
	from which
	A pinon, 18 ins. diam., bears N. 20° E., 322 lks. dist., mkd. ¼ S24 BT.
	No other trees within limits suitable for bearing trees.
	Raise a mound of stone, 2 ft.base, 1½ ft.high, W. of cor.
58.70	Same canon, drains NW., 420 ft. below divide; asc. over broken W. slope crossing numerous ridges and ravines draining W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 13, 14, 23 and 24, with brass cap mkd.

T 9 S R 3 W
S 14 | S 13
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.
	Land, rough mountainous.
	Soil, light clay and gravel, shallow, and rocky.
	Timber, scrub cedar, pinon, aspen, mahogany, maple.
	Undergrowth, sagebrush, scrub oak and service berry.
	General western and northwestern exposure. Limestone and quartzite formation. Fair grazing.

	From the cor. of secs. 13, 14, 23 and 24.
	N. 89° 56' E., on random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
71.90	Fall 4 lks. N. of the cor. of secs. 13 and 24, on E.bdy. of Tp.
	S. 89° 58' W., on true line bet. secs. 13 and 24.
	Asc. abruptly over broken S. slope of canon, through dense cedar, pinon and scattering spruce timber, sagebrush, oak, service berry and mahogany undergrowth.
31.90	Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.

Chains.	
	$\frac{1}{4}$ S 13 / $\frac{1}{4}$ S 24
	1918 from which
	A spruce, 8 ins. diam., bears N. 7° E., 15 lks. dist., mkd. $\frac{1}{4}$ S13 BT.
	A spruce, 14 ins. diam., bears S. 21° E., 43 lks. dist., mkd. $\frac{1}{4}$ S24 BT.
37.00	Bottom of canon 500 ft. above sec. cor., drains NE.; continue abrupt asc.
55.70	Top of ridge and divide bet. Cedar Valley and Broad Canon, bears N. and S., 920 ft. above sec. cor.; desc. abruptly.
71.90	The cor. of secs. 13, 14, 23 and 24; 660 ft. below top of ridge.
	From the cor., the portal of the tunnel of the Baldy Mine, bears approximately S. 85° E., 280 lks.
	Land, rough mountainous.
	Soil, light gravel, shallow and rocky.
	Timber, dense cedar, pinon, spruce, maple, and mahogany.
	Undergrowth, sagebrush, service berry and oak.
	Northwestern exposure in the Eastern portion; western exposure in the western portion. Limestone and quartzite formation. Poor grazing.

	From the cor. of secs. 13, 14, 23 and 24.
	N. 0° 9' W., bet. secs. 13 and 14.
	Along acclivous west slope of ridge, broken and rugged, cut by numerous unimportant ridges and ravines draining W., through dense cedar and pinon timber, mahogany, sagebrush and scrub oak undergrowth.
25.00	Spur, projects W., approximately 20 chs., 230 ft. above cor.; desc.
35.60	Ravine, drains W., 100 ft. below spur; asc.
40.00	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 $\frac{1}{4}$ sec. cor., with brass cap mkd.

Chains.

$\frac{1}{4}$

S 14 | S 13

1919 from which

A pinon, 25 ins. diam., bears N. 52° 30' E., 60 lks. dist., mkd. $\frac{1}{4}$ S13 BT.

A pinon, 15 ins. diam., bears N. 55° 30' W., 15 lks. dist., mkd. $\frac{1}{4}$ S14 BT.

Corner established 60 ft. above ravine.

41.00 Spur, projects W., 20 ft. above $\frac{1}{4}$ sec. cor.; desc.

45.70 Ravine, drains W., 110 ft. below spur; asc.

54.30 Spur, projects W., approximately 10 chs., desc. abruptly over ledges 70 ft. high.

56.50 Ravine, drains W., 80 ft. below spur; asc.

80.00 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. 11, 12, 13 and 14, with brass cap mkd.

T 9 S R 3 W

S 11 | S 12

S 14 | S 13

1919 from which

A pinon, 12 ins. diam., bears N. 49° E., 56 lks. dist., mkd. T9S R3W S12 BT.

A pinon, 16 ins. diam., bears S. 48° E., 49 lks. dist., mkd. T9S R3W S13 BT.

A pinon, 16 ins. diam., bears S. 44° W., 57 lks. dist., mkd. T9S R3W S14 BT.

A pinon, 18 ins. diam., bears N. 24° 30' W., 26 lks. dist., mkd. T9S R3W S11 BT.

Corner established 250 ft. above ravine.

Land, rough mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense cedar and pinon, mahogany and maple.

Undergrowth, sagebrush, service berry and scrub oak.

Western exposure. Limestone and quartzite formation. Good grazing.

Subdivision of T. 9 S., R. 3 W.

Chains.	
	From the cor. of secs. 11, 12, 13 and 14.
	N. 89° 58' E., on random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
71.96	Intersect the cor. of secs. 12 and 13, on the E. bdy. of the twp.
	S. 89° 58' W., on true line bet. secs. 12 and 13.
	Asc. over mountainous land, through scattering cedar and pinon timber, dense sagebrush undergrowth.
5.20	Top of asc., bears NW. and SE., 80 ft. above sec. cor.; desc.
8.80	Ravine, drains SE., 20 ft. below top of asc.; asc.
31.96	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 / S 13 1919 from which A cedar, 24 ins. diam., bears S. 65° 45' E., 35 lks. dist., mkd. ¼ S13 BT. A pinon, 12 ins. diam., bears N. 16° 30' W., 56 lks. dist., mkd. ¼ S12 BT.
41.10	Spur, projects S., 860 ft. above sec. cor.; desc.
42.80	Head of ravine, drains S., 20 ft. below spur; asc.
50.10	Ridge, bears NE. and SW., 150 ft. above head of ravine; desc. abruptly.
58.00	Head of ravine, 150 ft. below ridge, drains NE.; asc. abruptly.
66.20	Ridge and divide bet. Cedar Valley and Broad Canon, bears N. and S., 200 ft. above head of ravine; desc.
71.96	The cor. of secs. 11, 12, 13 and 14.
	Land, rough and broken mountainous.
	Soil, light shallow gravel, covered with slide rock, with limestone close to surface.
	Timber, dense cedar and pinon.
	Undergrowth, dense mahogany, service berry and sagebrush.
	General northeastern exposure. Limestone formation. Fair grazing in the eastern portion.

Chains.	
	From the cor. of secs. 11, 12, 13 and 14.
	N. 0° 9' W., bet. secs. 11 and 12.
	Asc. over rough mountainous land, through dense cedar and pinon timber.
2.90	Spur, projects W., 40 ft. above sec. cor.; desc.
9.90	Ravine, drains W., 100 ft. below spur; asc.
16.20	Top of asc., bears E. and W., 30 ft. above ravine; desc. along west slope of main ridge.
24.70	Ridge and divide bet. Cedar Valley and Broad Canon, bears N. 10° W. and S. 10° E., 40 ft. below top of 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 11 | S 12

1919 from which

A pinon, 6 ins. diam., bears N. 12° 30' E., 69 lks. dist., mkd. ¼ S12 BT.

A pinon, 8 ins. diam., bears N. 24° W., 93 lks. dist., mkd. ¼ S11 BT.

42.00	Ridge and divide bet. Cedar Valley and Broad Canon, bears NE. and SW., 20 ft. above ¼ sec. cor.; desc.
76.20	Ravine, drains E., 530 ft. below ridge; asc.
80.00	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.

T9 S R 3 W

S 2	S 1
S 11	S 12

1919 from which

A cedar, 8 ins. diam., bears N. 60° E., 31 lks. dist., mkd. T9S R3W S1 BT.

A cedar, 8 ins. diam., bears S. 53° E., 17 lks. dist., mkd. T9S R3W S12 BT.

A cedar, 18 ins. diam., bears S. 11° W., 15 lks. dist., mkd. T9S R3W S11 BT.

Chains.	
	A cedar, 8 ins. diam., bears N. 36° 30' W., 39 lks. dist., mkd. T9S R3W S2 BT.
	Land, rough mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense cedar and pinon.
	Undergrowth, sagebrush, brigham tea and grass.
	Western exposure in the southern portiom; eastern exposure in the northern protion. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 1, 2, 11 and 12.
	N. 89° 58' E., on random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
71.93	Intersect the E. bdy. of the twp. N. 0° 3' W., 17 lks. from the cor. of secs. 1 and 12.
	N. 89° 54' W., on true line bet. secs. 1 and 12.
	Asc. over rough mountainous land, through scattering cedar and pinon timber, sagebrush, brigham tea and grass undergrowth.
22.60	Spur, projects NE., approximately 25 chs., 290 ft. above sec. cor. Enter dense cedar and pinon timber, bears NE. and SW. Desc.
31.93	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd. $\frac{1}{4}\ \frac{S\ 1}{S\ 12}$ 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No trees within limits suitable for bearing trees.
39.40	Ravine, drains N. 30° E., 90 ft. below spur; asc.
45.70	Spur, projects NE., 40 ft. above ravine; desc.
49.40	Wash, 20 lks. wide, 5 ft. deep, drains NE., Road in bottom of wash; asc. abruptly.
62.90	Spur, projects SE., 370 ft. above wash; desc.
67.40	Ravine, drains SE., 30 ft. below spur; asc.
71.93	The cor. of secs. 1, 2, 11 and 12; 90 ft. above ravine.

Chains.	
	Land, rough mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense cedar and pinon, on W.49.33 chs.
	Undergrowth, sagebrush, brigham tea and grass.
	General northeastern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 1, 2, 11 and 12.
	N. 0° 9' W., on true line bet. secs. 1 and 2.
	Asc. over rough mountainous land, through dense cedar and pinon timber, sagebrush undergrowth.
10.50	Spur, projects E., approximately 15 chs., 110 ft. above sec. cor.; desc.
26.90	Ravine, drains E., 150 ft. below spur; asc.
35.50	Spur, projects E., approximately 20 chs., 250 ft. above ravine; desc.
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 2 | S 1 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 70 ft. below spur.
45.00	Ravine, drains S. 20° E., 80 ft. below spur; asc.
52.20	Ridge, bears E. and W., 110 ft. above ravine; desc. abruptly.
68.90	Ravine, drains NE., 490 ft. below ridge; asc.
77.50	Spur, projects NE., approximately 20 chs., 100 ft. above ravine; desc.
83.11	Intersect the N. bdy. of the twp., 7.83 chs. East of the cor. of secs. 35 and 36. At point of intersection Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the closing cor. for secs. 1 and 2, with brass cap mkd.

Chains	
	S 36 S 2 | S 1 T 9 S R 3 W CC 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	No trees within limits suitable for bearingtrees.
	Land rough mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, scrub cedar and pinon.
	Undergrowth sagebrush, brigham tea and grass.
	General northern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 34 and 35, on the S. bdy. of the twp., heretofore described.
	N. 0° 10' W., bet. secs. 34 and 35.
	Asc. over mountainous land, through dense cedar and pinon timber, sagebrush and mahogany undergrowth.
.50	Spur, projects W., 10 ft. above sec. cor.; desc.
6.10	Ravine, drains W., 150 ft. below spur; asc. along broken W. slope of ridge.
21.70	Spur, projects W., 200 ft. above ravine; desc.
30.30	Ravine, drains W., 60 ft. below spur; asc.
39.90	Spur, projects W., 180 ft. above ravine; desc.
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 34 | S 35 1918
	A pinon, 20 ins. diam., bears S. 80° W., 87 lks. dist., mkd. ¼ S34 BT. from whihh
	A cedar, 10 ins. diam., bears S. 35° E., 36 lks. dist., mkd. ¼ S35 BT.
47.80	Ravine, drains W., 170 ft. below spur; asc.
58.60	Spur, projects W., 300 ft. above ravine; desc.
67.40	Ravine, drains W., 190 ft. below spur; asc.

Chains.	
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 26, 27, 34 and 35, with brass cap mkd.

T 9 S R 3 W

S 27	S 26
S 34	S 35

1918

from which

A pinon, 12 ins. diam., bears N. 6° 30' E., 17 lks. dist., mkd. T9S R3W S26 BT.

A mahogany, 10 ins. diam., bears S. 66° E., 25 lks. dist., mkd. T9S R3W S35 BT.

A pinon, 24 ins. diam., bears S. 32° W., 28 lks. dist., mkd. T9S R3W S34 BT.

A mahogany, 8 ins. diam., bears N. 55° 30' W., 39 lks. dist., mkd. T9S R3W S27 BT.

Corner established 350 ft. above ravine.

Land, rough and broken mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense cedar, pinon and mahogany.

Undergrowth, sagebrush, service berry and scrub oak.

Western exposure. Limestone formation. Poor grazing.

From the cor. of secs. 26, 27, 34 and 35.

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

40.00	Set temp. ¼ sec. cor.
79.80	Intersect the N. and S. line, 4 lks. S. of the cor. of secs. 25, 26, 35 and 36. (True point)

S. 89° 58' W., on true line bet. secs. 26 and 35.

Asc. over mountainous land, through dense cedar, pinon, maple and mahogany timber, service berry and scrub oak undergrowth.

25.90	Spur, projects SE., 710 ft. above true point for sec. cor.; desc.
38.00	Ravine, drains SE., 150 ft. below spur; asc.
39.90	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, on solid rock, in large mound of stone,

Subdivision of T. 9 S., R. 3 W.

Chains	
	for the ¼ sec. cor., with brass cap mkd.
	¼ S. 26 / S 35
	1918 from which
	A pinon, 20 ins. diam., bears N. 13° 30' E., 34 lks. dist., mkd. ¼ S26 BT.
	A pinon, 10 ins. diam., bears S. 14° 30' E., 46 lks. dist., mkd. ¼ S35 BT.
54.50	Top of asc., bears NE. and SW., 350 ft. above ravine; thence along north slope of prominent peak through dense pine and spruce timber.
66.50	Ridge, bears NW. and SE. and divide bet. Cedar and Tintic Valleys, 160 ft. below top of asc.; desc. Leave dense pine and spruce timber, continue in dense mahogany timber.
66.90	Trail from Eureka to Scranton, bears N. and S.
75.40	Ravine, drains S., 310 ft. below ridge; asc.
79.80	The cor. of secs. 26, 27, 34 and 35.
	Land, rough mountainous.
	Soil, light shallow gravel, rocky.
	Timber, dense cedar, pinon, mahogany, pine and spruce.
	Undergrowth, scrub oak and service berry.
	Eastern exposure in the eastern portion; southwestern exposure in the western portion. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 26, 27, 34 and 35.
	N. 0° 10' W., bet. secs. 26 and 27.
	Asc. over mountainous land, through dense cedar and pinon timber, sagebrush and mahogany undergrowth.
5.50	Spur, projects W., 150 ft. above sec. cor.; desc.
16.90	Ridge, and divide bet. Cedar and Tintic Valleys, bears NW. and SE., 50 ft. below spur; continue desc.
32.50	Ravine, drains E., 320 ft. below ridge; asc.
39.50	Ridge, and divide bet. Cedar Valley and Broad Canon, bears E. and W., 70 ft. above ravine; desc.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, and large mound of stone, for the ¼ sec. cor., with brass cap mkd. S 27 | ¼ | S 26 1918 from which A mahogany, 8 ins. diam., bears S. 47° E., 15 lks. dist., mkd. ¼ S26 BT. A mahogany, 8 ins. diam., bears N. 48° 30' W., 106 lks. dist., mkd. ¼ S27 BT. Corner established 30 ft. below ridge.
56.30	Ravine, drains NE., 380 ft. below ¼ sec. cor.; asc.
66.60	Spur, projects NE., 50 ft. above ravine; desc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 22, 23, 26 and 27, with brass cap mkd. T 9 S R 3 W S 22 | S 23 S 27 | S 26 1918 from which A maple, 6 ins. diam., bears N. 35° 30' E., 65 lks. dist., mkd. T9S R3W S23 BT. A maple, 12 ins. diam., bears S. 89° 45' E., 46 lks. dist., mkd. T9S R3W S26 BT. A maple, 6 ins. diam., bears N. 16° 30' W., 33 lks. dist., mkd. T9S R3W S22 BT. A maple, 8 ins. diam., bears S. 16° W., 68 lks. dist., mkd. T9S R3W S27 BT. Corner established 370 ft. below spur and near bottom of canon. Land, rough mountainous. Soil, light clay and gravel, shallow and rocky. Timber, dense cedar, pinon and maple. Undergrowth, dense sagebruh, mahogany, service berry and scrub oak.

Chains.	
	General northern to northeastern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 22, 23, 26 and 27.
	N. 89°158' E., on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect the N. and S. line, 14 lks. N. of the cor. of secs. 23, 24, 25 and 26.
	N. 89°.56' W., on true line bet. secs. 23 and 26.
	Asc. over mountainous land, through scattering cedar and pinon timber, sagebrush, maple, mahogany scrub oak, and service berry undergrowth.
17.30	Spur, projects N. 20° W., 120 ft. above sec. cor.; desc.
26.20	Ravine, drains NW., 50 ft. below spur; asc.
38.50	Spur, projects N., approximately 10 chs., 30 ft. above ravine; desc.
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 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.
53.70	Ravine, drains N., 240 ft. below spur; asc.
60.60	Spur, projects N. 20° E., 110 ft. above ravine; desc.
73.70	Ravine, drains NE., 80 ft. below spur; asc.
80.16	The cor. of secs. 22, 23, 26 and 27.
	Land, mountainous.
	Soil, light sandy clay, shallow and rocky.
	Timber, scattering cedar and pinon, dense mahogany.
	Undergrowth, dense sage, maple, service berry and scrub oak.
	General northern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 22, 23, 26 and 27.

Chains.	
	N. 0° 10' W., bet. secs. 22 and 23.
	Desc. over mountainous land, through dense maple timber, scattering cedar and pinon and mahogany, dense sagebrush, service berry and scrub oak undergrowth.
.50	Ravine, drains N. 85° E., 30 ft. below sec. cor.; asc.; leave dense maple timber.
18.90	Spur, projects E., 160 ft. above ravine; desc.
37.30	Ravine, drains NE., 370 ft. below spur; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.

¼

S 22 | S 23

1919

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
No trees within limits suitable for bearing trees.
Corner established 30 ft. above ravine.

48.30	Spur, projects NE., 30 ft. above ¼ sec. cor.; desc.
65.00	Leave dense undergrowth, enter scattering, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 14, 15, 22 and 23, with brass cap mkd.

T 9 S R 3 W

S 15	S. 14
S 22	S 23

1919

Raise a mound of stone, 2ft. base, 1½ ft. high, W. of cor.
No trees within limits suitable for bearing trees.
Corner established 510 ft. below spur.
Land, mountainous.
Soil, light sandy clay and gravel, shallow and rocky.
Timber, dense maple, mahogany, scrub cedar and pinon.
Undergrowth, sagebrush, service berry, scrub oak and brigham tea.
General northern and northeastern exposure. Limestone formation. Good grazing.

Chains.	
	From the cor. of secs. 14, 15, 22 and 23.
	S. 89° 56' E., on a random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the N. and S. line, 16 lks. S. of the cor. of secs. 13, 14, 23 and 24.
	S. 89° 57' W., on true line bet. secs. 14 and 23.
	Desc. over mountainous land, through scattering cedar and pinon timber, sagebrush, mahogany and scrub oak undergrowth.
7.20	Shaft approximately 2 chs. N. of line.
14.60	East fork of Broad Canon, drains N. 20° W., 200 ft. below sec. cor. Road in bottom; asc.
23.90	Ridge bet. forks of Broad Canon, bears N. and S., 250 ft. above canon; desc. Leave timber, bears N. and S.
40.03	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 14 / S 23
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
56.80	Main fork of Broad Canon, drains N., 330 ft. below ridge; asc. Road in canon.
80.06	The cor. of secs. 14, 15, 22 and 23.
	Land, mountainous.
	Soil, light sandy clay and gravel; rocky and shallow.
	Timber, scrub cedar and pinon in the eastern portion.
	Undergrowth, sagebrush, mahogany, scrub oak, maple and grass.
	General northern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 14, 15, 22 and 23.
	N. 0° 10' W., bet. secs. 14 and 15.
	Desc. over rolling mountainous land, through scattering scrub cedar and pinon timber, sagebrush, scrub oak, and

Chains.

and service berry undergrowth.

5.00 Ravine, drains NE., 30 ft. below sec. cor.; asc.

22.50 Spur, projects NE., 60 ft. above ravine; desc.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.

¼

S 15 | S 14

1919

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

No trees within limits suitable for bearing trees.

55.00 Ravine, drains E., 120 ft. below spur; asc. gradually.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground. for the cor. of secs. 10, 11, 14 and 15, with brass cap mkd.

T 9 S R3 W

S 10 | S 11

S 15 | S 14

1919

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

Land, rolling mountainous.

Soil, light sandy clay, shallow and rocky.

Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush, scrub oak, service berry and grass.

General northeastern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 10, 11, 14 and 15.

N. 89° 57' E., on a random line bet. secs. 11 and 14.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect the N. and S. line, 2 lks. N. of the cor. of secs. 11, 12, 13 and 14.

S. 89° 58' W., on true line bet. secs. 11 and 14.

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

Chains	
7.40	Leave dense 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 11 / S 14
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
65.00	Broad Canon, drains N., 1020 ft. below sec. cor.; asc. Road in bottom of canon.
70.00	Spur, projects NE., approximately 5 chs., 20 ft. above canon bottom; desc.
73.10	Ravine, drains NE., 30 ft. below spur; asc.
80.00	The cor. of secs. 10, 11, 14 and 15.
	Land mountainous; rough and broken in the eastern portion.
	Soil, light sandy clay and gravel, shallow and rocky.
	Timber, dense cedar and pinon in the eastern portion.
	Undergrowth, sagebrush, with scattering clusters of scrub oak, maple along bottom of Broad Canon.
	General northern and northwestern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 10, 11, 14 and 15.
	N. 0° 10' W., bet. secs. 10 and 11.
	Desc. over rolling mountainous land, through scattering cedar and pinon timber, sagebrush and grass undergrowth.
34.30	Ravine, drains NE., 160 ft. below sec. cor.; continue gradual desc.
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 10 | S 11
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
58.50	Draw, 10 lks. wide, 4 ft. deep, drains E., thence over

Chains.	
	nearly level land in bottom of Broad Canon.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 2, 3,10 and 11, with brass cap mkd.

T 9 S R 3 W

S. 3	S 2
S. 10	S. 11

1919

from which

A pinon, 10 ins. diam., bears N. 52° E., 131 lks. dist., mkd. T9S R3W S2 BT.

A cedar, 6 ins. diam., bears S. 27° E., 233 lks. dist., mkd. T9S R3W S11 BT.

A pinon, 6 ins. diam., bears S. 15° W., 111 lks. dist., mkd. T9S R3W S10 BT.

A cedar, 8 ins. diam., bears N. 9° 30' W., 55 lks. dist., mkd. T9S R3W S3 BT.

Land, rolling mountainous.

Soil, light sandy loam, 2 to 6 ft. deep, on gravel subsoil.

Timber, scattering scrub cedar and pinon.

Undergrowth, sagebrush and grass.

Northern exposure. Limestone formation. Good grazing.

From the cor. of secs. 2, 3, 10 and 11.

N. 89° 58' E., on a random line bet. secs. 2 and 11.

40.00	Set temp. ¼ sec. cor.
80.17	Intersect the N. and S. line, 36 lks. N. of the cor. of secs. 1, 2, 11 and 12.

N. 89° 46' W., on true line bet. secs. 2 and 11.

Asc. over mountainous land, through dense cedar and pinon timber, sagebrush undergrowth.

7.40	Ridge and divide bet. Cedar Valley and Broad Canon, bears N. 10° E. and S. 10° W., 200 ft. above sec. cor.; desc.
13.30	Head of draw, drains NW., continue desc.
40.08½	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd:

Chains	
	$\frac{1}{4}$ $\frac{S\ 2}{S\ 11}$
	1919 from which
	A cedar, 8 ins. diam., bears N. 65° E., 47 lks. dist., mkd. $\frac{1}{4}$ S2 BT.
	A cedar, 8 ins. diam,, bears S. 15° W., 25 lks. dist., mkd. $\frac{1}{4}$ S11 BT.
	Corner established 550 ft. below ridge; continue desc.
67.00	Wash in bottom of Broad canon, 40 lks. wide, 15 ft. deep, drains N.; asc. 125 ft. below $\frac{1}{4}$ sec. cor.
68.20	Road, bears N. 20° E. and S. 20° W.
80.17	The cor. of secs. 2, 3, 10 and 11.
	Land, rough mountainous in the eastern portion; rolling in the western portion.
	Soil, light clay and gravel in the eastern portion; light sandy loam, 2 to 4 ft. deep on gravel subsoil, in the western portion.
	Timber, scrub cedar and pinon.
	Undergrowth, sagebrush and grass.
	Eastern exposure in the eastern portion; northern and northwestern exposure in the western portion. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 2, 3, 10 and 11.
	N. 0°09' W., on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
82.63	Intersect the N. bdy. of the twp., 19 lks. W. of the cor. of secs. 2 and 3.
	S. 0° 1' E., on true line bet. secs. 2 and 3.
	Desc. over rolling land in bottom of Broad Canon, through dense cedar and pinon timber, sagebrush and grass undergrowth.
5.60	High tension electric line bears N. 10° E. and S. 10° W.
10.30	Ravine, drains NE., asc. gradually.
24.60	Spur, projects NE., 100 ft. above ravine; desc.
42.63	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in

Chains.	
	the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 3 | S 2 1919
	from which
	A pinon, 8 ins. diam., bears S. 53° E., 29 lks. dist., mkd. ¼ S2 BT.
	A pinon, 8 ins. diam., bears S. 43° W., 13 lks. dist., mkd. ¼S3 BT.
	Desc. gradually over nearly level canon bottom.
82.63	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling canon bottom.
	Soil, light sandy loam, 2 to 4 ft. deep, on gravel subsoil.
	Timber scrub cedar and pinon.
	Undergrowth, sagebrush and grass.
	General northern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 33 and 34, on the S. bdy. of the twp. (Described in the notes of the N. bdy. of T. 10 S., R. 2 W., this group.)
	N. 0° 10' W., bet. secs. 33 and 34.
	Asc. over mountainous land, through scattering cedar and pinon timber, dense sagebrush undergrowth.
27.50	A wet weather seep and frame water tank, 10x10x10 ft. bears East, approximately 12 chs. dist.,
35.60	Ridge, bears N. 15° E., and S. 15° W., 530 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. with brass cap mkd.
	¼ S 33 | S 34 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.

Chains.

Corner established 100 ft. below ridge.

45.00 Bottom of desc., bears E. and W., 60 ft. below ¼ sec. cor. asc.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 27, 28, 33 and 34, with brass cap mkd.

T 9 S R 3 W

S 28	S 27
S 33	S 34

1918

from which

A pinon, 6 ins. diam., bears N. 31° E., 85 lks. dist., mkd. T9S R3W S27 BT.

A pinon, 12 ins. diam., bears S. 2° W., 71 lks. dist., mkd. T9S R3W S33 BT.

A pinon, 8 ins. diam., bears S. 36° 30' E., 56 lks. dist., mkd. T9S R3W S34 BT.

A pinon, 8 ins. diam., bears N. 1° W., 35 lks. dist., mkd. T9S R3W S28 BT.

Corner established 100 ft. above bottom of desc.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, scattering cedar and pinon.

Undergrowth, sagebrush, service berry and scattering cluster of scrub oak.

Western exposure, in the northern portion; eastern exposure in the southern portion. Limestone formation. Good grazing.

From the cor. of secs. 27, 28, 33 and 34.

East, on a randum line bet. secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

79.94 Intersect the N. and S. line, 10 lks. S. of the cor. of secs. 26, 27, 34 and 35.

S. 89° 56' W., on true line bet. secs. 27 and 34.

Asc. over mountainous land, through dense cedar and pinon timber, dense sagebrush, maple, mahogany and service

Chains.	
	berry undergrowth.
5.30	Spur, projects SW., 50 ft. above sec. cor.; desc.
22.90	Ravine, drains SW., 500 ft. below spur; asc.
26.90	Spur, projects S., 50 ft. above ravine; desc.
31.90	Bottom of canon, drains S., 50 ft. below spur; asc.
39.97	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.
	¼. S 27 / S34
	1918 from which
	A pinon, 14 ins. diam., bears S. 22° 30' W., 281 lks. dist., mkd. ¼ S34 BT.
	A cedar, 14 ins. diam., bears N. 62° 30' W., 60 lks. dist., mkd. ¼ S27 BT.
	Corner established 100 ft. above bottom of canon.
	From the ¼ sec. cor., an old board corral bears N. 8° E., approximately 12 chs. dist.
63.80	Ridge, bears N. and S., 370 ft. above ¼ sec. cor.; desc.
79.94	The cor. of secs. 27, 28, 33 and 34, 430 ft. below ridge.
	Land, mountainous.
	Soil, light clay and gravel, rocky and shallow.
	Timber, scrub cedar and pinon.
	Undergrowth, dense sagebrush, maple, mahogany and service berry.
	General southern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 27, 28, 33 and 34.
	N. 0° 10' W., bet. secs. 27 and 28.
	Asc. over mountainous land, through dense cedar and pinon timber, dense sagebrush, mahogany and oak undergrowth.
6.40	Spur, projects SW., 100 ft. above sec. cor.; desc.
30.50	Ravine, drains SW., 170 ft. below spur; asc.

Chains.	
40.00	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., with brass cap mkd.

¼
S 28 | S 27
1919 from which

A mahogany, 8 ins. diam., bears N. 71° E., 85 lks. dist., mkd. ¼ S27 BT.

A mahogany, 8 ins. diam., bears N. 84° W., 22 lks. dist., mkd. ¼ S28 BT.

70.00 Ridge, and divide between Cedar and Tintic Valleys, bears E. and W., 690 ft. above ¼ sec. cor.; desc. abruptly, through dense cedar, pinon, mahogany oak, yellow pine and spruce timber.

80.00 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. 21, 22, 27 and 28, with brass cap mkd.

T 9 S R 3 W
S 21 | S 22
S 28 | S 27
1919 from which

A spruce, 6 ins. diam., bears N. 20° E., 25 lks. dist., mkd. T9S R3W S22 BT.

A spruce, 12 ins. diam., bears S. 66° E, 90 lks. dist., mkd. T9S R3W S27 BT.

A mahogany, 24 ins. diam., bears S. 29° W., 49 lks. dist., mkd. T9S R3W S28 BT.

A spruce, 14 ins. diam., bears N. 45° W., 90 lks. dist., mkd. T9S R3W S21 BT.

Corner established 300 ft. below ridge.

Land, rough and broken mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense cedar and pinon, dense yellow pine and spruce, mahogany and maple, especially in the northern portion.

Chains.	
	Undergrowth, scrub oak, service berry and sagebrush. Southern exposure in the southern portion; northern exposure in the northern portion. Limestone formation. Good grazing.

	From the cor. of secs. 21, 22, 27 and 28.
	N. 89° 56' E., on a random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect the N. and S. line, 12 lks. N. of the cor. of secs. 22, 23, 26 and 27.
	N. 89° 57' W., on true line bet. secs. 22 and 27.
	Asc. over rough mountainous land, through dense cedar, pinon, spruce, yellow pine, mahogany and oak timber, sagebrush, service berry and manzanita undergrowth.
1.20	Ravine, drains NE., 20 ft. below sec. cor.; asc.
5.60	Spur, projects S., approximately 3 chs., 50 ft. above ravine; desc.
7.80	Small seep spring in ravine, drains SE., 20 ft. below spur; asc.
28.80	Ridge, bears N. and S., 330 ft. above ravine; desc.
34.00	Ravine, drains N., 50 ft. below ridge; asc.,
38.30	Ridge, bears N. and S., 70 ft. above ravine. Trail from Eureka to Scranton on ridge. An old shaft bears N. approximately 3 chs. dist.
40.10	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 ¼ sec. cor., with brass cap mkd.
	¼ S 22 / S 27
	1919 from which
	A mahogany, 10 ins. diam., bears S. 27° 30' E., 33 lks. dist., mkd. ¼ S27 BT.
	A spruce, 6 ins. diam., bears N. 10° W., 10 lks. dist., mkd. ¼ S22 BT.
	Corner established 30 ft. below ridge.

Subdivision of T. 9 S., R. 3 W.

Chains.	
51.30	Canon, drains N., 210 ft. below ¼ sec. cor. & asc. abruptly.
71.70	Spur, projects NE., 580 ft. above canon; desc.
80.20	The cor. of secs. 21, 22, 27 and 28, 100 ft. below spur.
	Land, rough mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense cedar, pinon, maple, mahogany, spruce and yellow pine.
	Undergrowth, dense sagebrush, service berry, scrub oak, and manzanita.
	General northern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 21, 22, 27 and 28.
	N. 0° 10' W., bet. secs. 21 and 22.
	Desc. abruptly over mountainous land, through dense cedar, pinon, spruce, yellow pine, mahogany and oak timber, sagebrush, service berry and manzanita undergrowth.
17.90	Bottom of canon, drains N. from the SW. Line follows bottom of canon.
34.40	Leave bottom of canon, draining N. 20° E., 720 ft. below sec. cor. Asc. along broken canon side over numerous unimportant ravines and spurs, draining and projecting E. and NE.
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 21 | S 22 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearing trees.
48.20	Spur, projects NE., approximately 10 chs., 30 ft. above canon bottom; desc.

Chains	
66.00	Ravine, drains E., 180 ft. below spur; asc.
77.60	Spur, projects E., approximately 8 chs. to canon, 130 ft. above ravine; asc.
80.00	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 9 S R 3 W

S 16	S 15
S 21	S. 22

1919

from which

A pinon, 8 ins. diam., bears N. 41° E., 72 lks. dist., mkd. T9S R3W S15 BT.

A pinon, 8 ins. diam., bears S. 8° E., 9 lks. dist., mkd. T9S R3W S22 BT.

A pinon, 20 ins. diam., bears S. 40° W., 30 lks. dist., mkd. T9S R3W S21 BT.

A pinon, 12 ins. diam., bears N. 71° W., 31 lks. dist., mkd. T9S R3W S16 BT.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense cedar and pinon, oak and mahogany, scattering spruce and yellow pine.

Undergrowth, dense sagebrush, service berry and manzanita.

General northeastern exposure. Limestone and quartzite formation. Good grazing.

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

S. 89° 57' E., on a random line bet. secs. 15 and 22.

40.00	Set temp. ¼ sec. cor.
80.05	Intersect the N. and S. line, 7 lks. S. of the cor. of secs. 14, 15, 22 and 23.

West, on true line bet. secs. 15 and 22.

Desc. gradually over rolling mountainous land, through scattering cedar and pinon timber, dense mahogany, oak, sage and service berry undergrowth.

5.00	Ravine, drains NE., 30 ft. below sec. cor.; asc.

Chains.	
28.50	Ridge, bears NE. and SW., 260 ft. above ravine; desc.
35.00	Ravine, drains NE., 70 ft. below ridge; asc.
40.02½	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd. $\frac{1}{4}\ \frac{S\ 15}{S\ 22}$ 1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No trees within limits suitable for bearing trees.
46.30	Spur, projects N., approximately 5 chs., 40 ft. above ¼ sec. cor.; desc.
53.20	Canon, drains NE., 50 ft. below spur; asc. Road in bottom of canon. Enter dense cedar and pinon timber.
78.40	Spur, projects SE., 300 ft. above canon bottom, thence over small spurs and ravines, projecting and draining SE.
80.05	The cor. of secs. 15, 16, 21 and 22.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, cedar and pinon.
	Undergrowth, scrub oak, mahogany, sagebrush and service berry.
	General northern exposure. Lime stone formation. Good grazing.

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

N. 0° 10' W., bet. secs. 15 and 16.

Asc. over rough mountainous land, through dense cedar and pinon timber, dense oak, mahogany, service berry, sagebrush and manzanita undergrowth.

28.00	Top of main ridge, bears N. 10° E. and S. 10° W., 400 ft. above sec. cor.; thence along W. slope of ridge, near the top.
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.

Subdivision of T. 9 S., R. 3 W.

Chains.

$\frac{1}{4}$

S 16 | S 15

1919 from which

A pinon, 8 ins. diam., bears N. 10° E., 41 lks. dist., mkd. $\frac{1}{4}$ S15 BT.

A pinon, 8 ins. diam., bears N. 3° W., 33 lks. dist., mkd. $\frac{1}{4}$ S16 BT.

46.70 Start abrupt desc., bears E. and W.

66.20 Head of draw, drains SW., 220 ft. below top; asc.

79.50 Top of main ridge, bears N. 10° W. and S. 10° E., 250 ft. above head of draw; desc. gradually.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 9, 10, 15 and 16, with brass cap mkd.

T 9 S R 3 W

S 9 | S 10

S 16 | S 15

1919 from which

A pinon, 18 ins. diam., bears N. 62° E., 79 lks. dist., mkd. T9S R3 W S10 BT.

A cedar, 8 ins. diam., bears S. 89° 30' E., 44 lks. dist., mkd. T9S R3W S15 BT.

A cedar, 8 ins. diam., bears S. 17° 30' W., 22 lks. dist., mkd. T9S R3W S16 BT.

A pinon, 12 ins. diam., bears N. 61° W., 44 lks. dist., mkd. T9S R3W S9 BT.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense cedar and pinon,

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

Eastern exposure in the southern portion; western exposure in the northern portion. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 9, 10, 15 and 16.

Chains.	
	East, on a random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line, at the cor. of secs. 10, 11, 14 and 15.
	West, on true line bet. secs. 10 and 15.
	Asc. over mountainous land, through scattering cedar and pinon timber, dense sagebrush, manzanita and scattering clusters of dense scrub oak undergrowth.
10.90	Spur, projects NE., 170 ft. above sec. cor.; desc.
24.90	Ravine, drains NE., 40 ft. below spur; 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 10 / S 15
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No trees within limits suitable for bearing trees.
51.50	Spur, projects NE., 250 ft. above ¼ sec. cor.; desc.
60.80	Ravine, drains NE., 60 ft. below spur; asc.
80.00	The cor. of secs. 9, 10, 15 and 16, 670 ft. above ravine.
	Land, mountainpus.
	Soil, light clay and gravel, shallow and rocky.
	Timber, cedar and pinon.
	Undergrowth, dense sagebrush, manzanita, mahogany, service, and scattering clusters of dense scrub oak.
	General northeastern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 9, 10, 15 and 16.
	N. 0° 10' W., bet. secs. 9 and 10.
	Desc. abruptly over mountainous land, through dense cedar and pinon timber, sagebrush and service berry undergrowth.
9.90	Ravine, drains E., 230 ft. below sec. cor.; asc.
18.10	Spur, projects E., 60 ft. above ravine; desc.

Chains.	
32.40	Ravine, drains E., 280 ft. below spur; asc.
40.00	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 9 | S 10

1919 from which

A pinon, 6 ins. diam., bears S. 86° E., 120 lks. dist., mkd. ¼ S10 BT.

A pinon, 8 ins. diam., bears S. 20° W., 62 lks. dist., mkd. ¼ S9 BT

From this cor., a small cabin belonging to the Tintic Silver Lode Mine, J. P. Thomas, Claimant, bears S. 67° 30' E., approximately 30 chs. dist.

Cor. established 130 ft. above ravine; continue asc.

46.40	Spur, projects E., 130 ft. above ¼ sec. cor.; desc.
59.10	Ravine, drains SE., 320 ft. below spur; asc.
65.50	Spur, projects E., 200 ft. above ravine; desc. abruptly.
76.10	Ravine, drains E., 330 ft. below spur; asc. abruptly.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, on solid rock, in large mound of stone, for the cor of secs. 3, 4, 9 and 10, with brass cap mkd.

T 9 S R 3 W

S 4 | S 3

S 9 | S 10

1919 from which

A pinon, 24 ins. diam., bears N. 50° E., 33 lks. dist., mkd. T9S R3W S3 BT.

A pinon, 10 ins. diam., bears S. 56° E., 63 lks. dist., mkd. T9S R3W S10 BT.

A pinon, 24 ins. diam., bears S. 53° W., 49 lks. dist., mkd. T9S R3W S9 BT.

A pinon, 8 ins. diam., bears N. 37° W., 60 lks. dist., mkd. T9S R3W S4 BT.

Chains.

Cor. established 70 ft. above ravine.

Land, rough and broken mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense cedar and pinon.

Undergrowth, sagebrush and service berry.

General eastern exposure. Limestone and quartzite formation

Good grazing.

From the cor. of secs. 3, 4, 9 and 10.

East, on a random line bet. secs. 3 and 10.

40.00 Set temp. ½ sec. cor.

80.14 Intersect the N. and S. line, 18 lks. S. of the cor. of secs. 2, 3, 10 and 11.

S. 89° 52' W., on true line bet. secs. 3 and 10.

Asc. over mountainous land, through dense cedar and pinon timber, sagebrush undergrowth.

20.10 Ravine, drains NE., 30 ft. above sec. cor.; continue asc.

26.10 Spur, projects S., 40 ft. above ravine; desc.

40.07 True point for the ½ sec. cor. falls in wash, 20 lks. wide, 5 ft. deep, drains SE. Impossible to set permanent cor.

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

$$\frac{1}{4}\ \frac{S\ 3}{S\ 10}\ WC$$

1919

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

No trees within limits suitable for bearing trees.

Asc.

69.10 Spur, projects NE., 360 ft. above witness ½ sec. cor; desc.

72.10 Ravine, drains NE., 210 ft. below spur; asc.

80.14 The cor. of secs. 3, 4, 9 and 10, 230 ft. above ravine.

Land, mountainous.

Soil, light sandy loam, more than 2 ft. deep, on gravel subsoil, in the eastern portion, light clay and gravel,

Chains	
	shallow and rocky in the western portion.
	Timber, dense cedar and pinon.
	Undergrowth, sagebrush.
	Southern exposure. Limestone formation. Good grazing.

	From the cor. of secs. 3, 4, 9 and 10.
	N. 0° 01' W., on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
83.07	Intersect the N. bdy. of the twp., at the cor. of secs. 3 and 4, previously described.
	S. 0° 01' E., on true line bet. secs. 3 and 4.
	Desc. over mountainous land, through dense cedar and pinon timber, sagebrush and service berry undergrowth.
11.60	Ravine, drains NW., 50 ft. below sec. cor.; asc.
31.30	Saddle in ridge, bears E. and W., 250 ft. above ravine; also head of two ravines, one draining NE. and one SE.
38.10	Head of draw, drains SE., 90 ft. below saddle; continue desc.
43.07	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 4 | S 3 1919
	from which
	A pinon, 12 ins. diam., bears S. 89° E., 37 lks. dist., mkd. ¼ S3 BT.
	A pinon, 8 ins. diam., bears N. 52° W., 24 lks. dist., mkd. ¼ S4 BT.
	Cor. established 20 ft. below draw; continue desc.
45.60	High tension power line to Scranton bears NE. and SW.
51.90	Ravine, drains SE., 100 ft. below head of draw; asc.
68.80	Spur, projects E., 280 ft. above ravine; desc. along broken E. slope.
83.07	The cor. of secs. 3, 4, 9 and 10, 200 ft. below spur.
	Land, mountainous.

Chains.	
	Soil, light clay and gravel, shallow, with limestone close to surface.
	Timber, dense cedar and pinon, particularly in the southern portion.
	Undergrowth, dense sagebrush and service berry.
	Eastern exposure in the southern portion; northern exposure in the northern portion. Limestone and quartzite formation. Good grazing.
	From the cor. of secs. 32 and 33, on the S. bdy. of the twp., heretofore described.
	N. 0° 11' W., bet. secs. 32 and 33.
	Asc. over mountainous land, through dense cedar and pinon timber, dense sagebrush, scrub oak and mahogany undergrowth.
19.40	Spur, projects N. 85° E., 300 ft. above sec. cor.; desc. gradually.
25.10	Ravine, drains SW., 70 ft. below spur; 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 32 | S 33

1919

from which

A pinon, 16 ins. diam., bears N. 26° E., 21 lks. dist., mkd. ¼ S33 BT.

A pinon, 16 ins. diam., bears S. 23° W., 24 lks. dist., mkd. ¼ S32 BT.

	Cor. established 350 ft. above ravine; continue asc.
48.00	Ridge, bears NE. and SW., 220 ft. above ¼ sec. cor.; desc.
62.00	Ravine, drains SW., 200 ft. below ridge; asc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 28, 29, 32 and 33, with brass cap mkd.

T 9 S R 3 W

S 29 | S 28

S 32 | S 33

1919

Chains.

from which

A pinon, 14 ins. diam., bears S. 10° E.,
248 lks. dist., mkd. T9S R3W S33 BT.

A pinon, 16 ins. diam., bears S. 18° W.,
301 lks. dist., mkd. T9S R3W S32 BT.

No other trees within limits suitable for bearing trees.

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

From this cor. a monument on a prominent peak bears N. 32° 23' W.

Land, rough and broken mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, cedar and pinon.

Undergrowth, sagebrush, scrub oak, service berry, mahogany and manzanita.

General southern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 28, 29, 32 and 33.

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

40.00 Set temp. ¼ sec. cor.

80.02 Intersect the N. and S. line, 35 lks. N. of the cor. of secs. 27, 28, 33 and 34.

N. 89° 45' W., on true line bet. secs. 28 and 33.

Desc. over rough and broken mountainous land, through dense cedar and pinon timber, sagebrush, brigham tea scrub oak and manzanita undergrowth.

19.30 Canon, drains S., 330 ft. below sec. cor. An old road in bottom bears N. and S.; asc.

40.01 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 28 / S 33

1919

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

Corner established 630 ft. above bottom of canon in dense mahognay thicket; no trees within limits suitable

Chains.	
	for bearing trees. Continue asc.
51.30	Ridge, bears NE. and SW., 170 ft. above ¼ sec. cor.; desc.
62.40	Ravine, drains SW., 250 ft. below ridge; asc.
78.70	Spur, projects S., approximately 10 chs., 200 ft. above ravine; desc.
80.02	The cor. of secs. 28, 29, 32 and 33.
	Land, rough and broken mountainous.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, dense cedar, pinon and mahogany.
	Undergrowth, sagebrush, scrub oak, service berry and manzanita, and Brigham tea.
	General southern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 28, 29, 32 and 33.
	N. 0° 11' W., bet. secs. 28 and 29.
	Asc. over rough mountainous land, through dense cedar, pinon and pine timber, dense scrub oak, mahogany, sagebrush, and service berry undergrowth.
31.30	Main ridge, bears E. and W., 360 ft. above sec. cor.; desc.
32.40	Leave dense timber and undergrowth, bears NE. and SW., enter open sagebrush flat or basin, locally called "Dry Lake". Continue in scattering timber and dense sagebrush.
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 29 | S 28

1919 from which

A spruce, 10 ins. diam., bears N. 80° E., 340 lks. dist., mkd. ¼ S28 BT.

A spruce, 24 ins. diam., bears S. 69° W., 288 lks. dist., mkd. ¼ S 29 BT.

Cor. established 100 ft. below ridge; continue desc.

Chains.

54.90 Bottom of desc., and old road, bears NE. and SW., drainage to the SW., 50 ft. below ¼ sec. cor.; asc. gradually.

72.80 Ridge, bears E. and W., 100 ft. above bottom of desc.; desc.

80.00 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 9 S R 3 W.	
S 20	S 21
S 29	S 28

1919

from which

An aspen, 4 ins. diam., bears N. 51° E., 39 lks. dist., mkd. T9S R3W S21 BT.

A spruce, 7 ins. diam., bears S. 25° E., 169 lks., dist., mkd. T9S R3W S28 BT.

An aspen 4 ins. diam., bears S. 67° W., 100 lks. dist., mkd. T9S R3W S29 BT.

A spruce 6 ins. diam., bears N. 69° 30' W. 143 lks. dist., mkd. T9S R3W S20 BT.

Cor. established 100 ft. below ridge.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky. Deep sandy loam in "Dry Lake."

Timber, dense cedar and pinon, aspen and spruce.

Undergrowth, sagebrush, service berry, scrub oak, and mahogany.

General northern exposure in the northern portion; southern exposure in the southern postion. Limestone and quartzite formation. Excellent grazing.

From the cor. of secs. 20, 21, 28 and 29.

S. 89° 45' E., on a random line bet. secs. 21 and 28.

40.00 Set temp. ¼ sec. cor.

80.24 Intersect the N. and S. line, 2 lks. N. of the cor. of secs. 21, 22, 27 and 28.

N. 89° 44' W., on true line bet. secs. 21 and 28.

Chains.	
	Desc. abruptly over rough mountainous land, through dense spruce, pine, and cedar and pinon timber, mahogany, scrub oak, service berry, sagebrush and manzanita undergrowth.
7.00	Canon, drains N., 130 ft. below sec. cor; asc. abruptly.
20.00	Spur, projects NE., 600 ft. above canon; desc.
28.40	Head of draw, drains N., 60 ft. below spur; asc.
33.20	Spur, projects N., 50 ft. above head of draw; desc.
40.12	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 21 / S 28
	1919 from which
	A pine, 12 ins. diam., bears S. 43° E.,
	10 lks. dist., mkd. ¼ S28 BT.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No other trees within limits suitable for bearing tree.
	Cor. established 80 ft. below spur.
42.80	Head of draw, drains N., 60 ft. below ¼ sec. cor.; asc.
55.70	Spur from main ridge, projects N., 120 ft. above head of draw; desc.
80.24	The cor. of secs. 20, 21, 28 and 29, 200 ft. below spur.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, dense spruce, pine, cedar, pinon and mahogany, scattering aspen.
	Undergrowth, scrub oak, service berry, sagebrush, and manzanita.
	General northern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 20, 21, 28 and 29.
	N. 0° 11' W., bet. secs. 20 and 21.
	Desc. over rough mountainous land, through dense cedar,

Chains.

pinon, aspen and spruce timber, sagebrush, service berry and scrub oak undergrowth.

11.80 Bottom of Mill Canon, drains W., 280 ft. below sec. cor.; asc.

29.70 Ridge, bears E. and W., 250 ft. above bottom of canon; desc.

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 20	S 21

1919

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

Cor. established 300 ft. below ridge, in dense scrub oak.

No trees within limits suitable for bearing trees.

Continue desc. over small unimportant spurs and ravines, projecting and draining NE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground. for the cor. of secs. 16, 17, 20 and 21, with brass cap mkd.

T 9 S R 3 W

S 17	S 16
S 20	S 21

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 500 ft. below ¼ sec. cor.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky, with limestone close to surface.

Timber, cedar, pinon, spruce, mahogany and aspen.

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

General northern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 16, 17, 20 and 21.

Chains.

S. 89° 44' E., on a random line bet. secs. 16 and 21.

40.00 Set temp. ½ sec. cor.

80.04 Intersect the N. and S. line, 16 lks. N. of the cor. of secs. 15, 16, 21 and 22.

N. 89° 51' W., on true line bet. secs. 16 and 21.

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

10.80 Ridge, bears N. and S., 280 ft. above sec. cor.; desc.

31.00 Leave dense timber, bears NW. and SE., enter open sagebrush land in head of Black Rock 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.

$$\frac{1}{4}\ \frac{S\ 16}{S\ 21}$$

1919

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

55.00 Draw, drains NW., 430 ft. below ridge; asc. gradually.

56.30 Old road, bears NW. and SE.

80.04 The cor. of secs. 16, 17, 20 and 21, 60 ft. above draw.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky in the eastern portion; dark sandy loam, 2 to 4 ft. deep, on clay and gravel subsoil in the western portion.

Timber, dense cedar, pinon and mahogany in the eastern portion.

Undergrowth, scrub oak and service berry in the eastern portion; sagebrush on the entire mile.

Eastern exposure in the eastern portion; southwestern exposure in the western portion. Limestone and quartzite formation. Excellent grazing.

From the cor. of secs. 16, 17, 20 and 21.

N. 0° 11' W., bet. secs. 16 and 17.

Desc. gradually over rolling mountainous land, through

Chains.	
	dense sagebrush undergrowth.
5.50	Wire fence, bears E. and W.
17.90	The SW. cor. of a small cultivated field.
26.00	Bottom of Black Rock Canon, drains W., 80 ft. below sec. cor.; asc. gradually.
38.00	Wire fence, bears NE. and SW., leave cultivated land, enter dense sagebrush.
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 17 | S 16

1919

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

Cor. established 80 ft. above canon bottom.

57.50	Enter dense cedar and pinon timber, bears E. and W.
73.00	Ridge, bears E. and W., 600 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. 8, 9, 16 and 17, with brass cap mkd.

T 9 S R 3 W

S 8 | S 9

S 17 | S 16

1919

from which

A pinon, 6 ins. diam., bears N. 50° 30' E., 118 lks. dist., mkd. T9S R3W S9 BT.

A pinon, 28 ins. diam., bears S. 6° E., 33 lks. dist., mkd. T9S R3W S16 BT.

A pinon, 8 ins. diam., bears S. 81° W., 35 lks. dist., mkd. T9S R3W S17 BT.

A pinon, 20 ins. diam., bears N. 74° W., 31 lks. dist., mkd. T9S R3W S8 BT.

Cor. established 160 ft. below ridge.

Land, mountainous; rolling in the southern portion.

Timber, dense cedar and pinon in the northern portion.

Undergrowth, dense sagebrush.

Chains.	
	Soil, dark, rich sandy loam, 2 to 4 ft. deep on clay and gravel subsoil in the southern portion; light clay and gravel, shallow and rocky in the northern portion.
	General southern exposure in the southern portion; northern exposure in the northern portion. Limestone and quartzite formation. Excellent grazing.

	From the cor. of secs. 8, 9, 16 and 17.
	S. 89° 51' E., on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect the N. and S. line, 2 lks. N. of the cor. of secs 9, 10, 15 and 16.
	N. 89° 50' W., on true line bet. secs. 9 and 16.
	Asc. over mountainous land, through dense cedar and pinon timber, sagebrush, scrub oak and mahogany undergrowth.
.50	Ridge, bears NW. and SE., 20 ft. above sec. cor.; desc.
12.00	Ravine, drains SW., 280 ft. below ridge; asc.
25.20	Spur, projects SW., 200 ft. above ravine; desc.
33.30	Ravine, drains SW., 150 ft. below spur; asc.
40.01	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.
	Cor. established 100 ft. above ravine; continue asc.
68.30	Ridge, bears NE. and SW., 150 ft. above ¼ sec. cor.; desc. along broken N. slope.
80.02	The cor. of secs. 8, 9, 16 and 17, 60 ft. below ridge.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense cedar and pinon.
	Undergrowth, sagebrush, service berry, scrub oak and mahogany.
	Southern exposure in the eastern portion; northern

Chains.

exposure in the extreme western portion. Limestone and quartz formation. Good grazing.

From the cor. of secs. 8, 9, 16 and 17.

N. 0° 11' W., bet. secs. 8 and 9.

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

12.00 Ravine, drains W., 320 ft. below sec. cor.; asc.

24.40 Spur, projects W., 230 ft. above ravine; desc.

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 8 | S 9

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 on S. side of Barlow or Scranton Canon, 360 ft. below spur; continue desc.

41.20 Trail, bears NE. and SW.

51.10 Barlow or Scranton, Canon, drains SW., 35 ft. below ¼ sec. cor.; asc.

51.50 Old road, bears NE. and SW.

54.00 High tension power line to Scranton, bears NE. and SW.

76.90 Ridge, bears E. and W., 600 ft. above ¼ sec. cor.; desc.

80.00 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. 4, 5, 8 and 9; with brass cap mkd.

T 9 S R 3 W

S 5	S 4
S 8	S 9

1919 from which

A pinon, 12 ins. diam., bears N. 74° E., 74 lks. dist., mkd. T9S R3W S4 BT.

A pinon, 8 ins. diam., bears S. 19° 30' E., 30 lks. dist., mkd. T9S R3W S9 BT.

Chains.	
	A pinon, 8 ins. diam., bears S. 43° W., 42 lks. dist., mkd. T9S R3W S8 BT.
	A X on a limestone ledge 15 ft. high, bears N. 77° 20' W., 8 lks. dist., ledge is mkd. S5 BO. close to cross.
	Cor. established 100 ft. below ridge.
	Land mountainous.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, dense cedar and pinon.
	Undergrowth, dense sagebrush scrub oak and mahogany.
	Southern exposure in the southern portion; northern exposure in the northern portion. Limestone and quartz formation. Good grazing.

	From the cor. of secs. 4, 5, 8 and 9.
	S. 89° 50' E., on a random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
79.74	Intersect the N. and S. line; 16 lks. S. of the cor. of secs. 3, 4, 9 and 10.
	N. 89° 57' W., on true line bet. secs. 4 and 9.
	Asc. abruptly over mountainous land, through dense cedar and pinon timber, dense mahogany, sagebrush and service berry undergrowth.
30.80	Ridge, bears N. and S., 450 ft. above sec. cor.; desc.
39.87	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 4 / S 9 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 200 ft. below ridge; continue desc.
44.90	Bottom of canon, drains SW., 280 ft. below ridge; asc.
48.50	High tension power line to Scranton, bears NE. and SW.
65.00	Ridge, bears NE. and SW., 300 ft. above canon; desc.

Chains	
79.74	The cor. of secs. 4, 5, 8 and 9,
	Land, mountainous.
	Soil, light clay and gravel, shallow and gravelly.
	Timber, dense cedar and pinon.
	Undergrowth, dense sagebrush, mahogany and service berry
	Southern exposure in the eastern portion; northern exposure in the western portion. Limestone and quartzite formation
	Good grazing.

	From the cor. of secs. 4, 5, 8 and 9.
	N. 0° 1' W., on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
82.92	Intersect the N. bdy. of the twp., 36 lks. E. of the cor. of secs. 4 and 5, heretofore described.
	S. 0° 16' E., on true line bet. secs. 4 and 5.
	Asc. over mountainous land, through scattering cedar and pinon timber, sagebrush, service berry and scrub oak undergrowth.
1.50	Spur, projects W., 20 ft. above sec. cor.; desc.
20.00	Canon, drains W., 250 ft. below spur. Old road in bottom bears E. and W.; asc.
32.50	Spur, projects W., 250 ft. above canon; desc.
34.50	Ravine, drains W., 20 ft. below spur; asc.
40.40	Spur, projects W., 20 ft. above ravine; desc.
42.92	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 5 | S 4

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 20 ft. below spur.
46.90	Draw, drains W., 40 ft. below ¼ sec. cor.; asc.
65.30	Spur, projects NW., 400 ft. above draw; desc.
71.00	Ravine, drains NW., 30 ft. below spur; asc.

Chains	
82.92	The cor. of secs. 4, 5, 8 and 9, 330 ft. above ravine.
	Land mountainous.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, scattering cedar and pinon.
	Undergrowth, sagebrush, service berry and scrub oak.
	General western exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 31 and 32, on the S. bdy. of the twp., heretofore described.
	N. 0° 12' W., bet. secs. 31 and 32.
	Asc. over mountainous land, through dense cedar and pinon timber, dense sagebrush, scrub oak, service berry and mahogany undergrowth.
16.00	Ridge, bears E. and W., 260 ft. above sec. cor.; desc.
22.80	Canon, drains SW., 100 ft. below ridge; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.
	¼ S 31 | S 32 1919
	from which
	A cedar, 30 ins. diam., bears S. 41° E., 96 lks. dist., mkd. ¼ S32 BT.
	No trees within
	A pinon, 20 ins. diam., bears S. 76° W., 44 lks. dist., mkd. ¼ S31 BT.
	Cor. established 250 ft. above canon.
53.20	Spur, projects SW., 350 ft. above ¼ sec. cor.; desc.
67.50	Ravine, drains SW., 130 ft. below spur; asc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on solid rock, in a large mound of stone, for the cor. of secs. 29, 30, 31 and 32, with brass cap mkd.

Chains.

T 9 S R 3 W	
S 30	S 29
S 31	S 32

1919 from which

A pinon, 24 ins. diam., bears N. 24° E., 97 lks. dist., mkd. T9S R3W S29BT.

A pinon, 20 ins. diam., bears S. 25° 30' E., 185 lks. dist., mkd. T9S R3W S32 BT.

A pinon, 18 ins. diam., bears S. 14° W., 79 lks. dist., mkd. T9S R3W S31 BT.

A pinon, 14 ins. diam., bears N. 80° W., 108 lks. dist., mkd. T9S R3W S30 BT.

Corner established 400 ft. above ravine.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky, with limestone close to surface.

Timber, dense cedar and pinon.

Undergrowth, dense sagebrush, service berry, scrub oak and mahogany.

General southern exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 29, 30, 31 and 32.

East, on a random line bet. secs. 29 and 32.

40.00 Set temp. ¼ sec. cor.

80.16 Intersect the N. and S. line, 5 lks. S. of cor. of secs. 28, 29, 32 and 33.

S. 89° 58' W., on true line bet. secs. 29 and 32.

Desc. over rough mountainous land, through dense cedar, pinon, mahogany, spruce timber, sagebrush and service berry undergrowth.

2.60 Canon, drains S., 60 ft. below sec. cor.; asc.

11.50 Spur, projects S., 150 ft. above canon; desc.

22.60 Ravine, drains S., 220 ft. below spur; asc.

40.08 Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in large mound of stone,

Chains.	
	for the ¼ sec. cor., with brass cap mkd.
	¼ S 29 / S 32
	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 350 ft. above ravine.
53.80	High point on top of ridge, ridge bears NE. and NW., 200 ft. above ¼ sec. cor.; desc.
80.16	The cor. of secs. 29, 30, 31 and 32, 330 ft. below ridge.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, dense and scattering cedar, pinon, mahogany and spruce timber, sagebrush and service berry undergrowth.
	General southern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 29, 30, 31 and 32.
	West, on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
82.02	Intersect the W. bdy. of the twp., 2 lks. N. of the cor. of secs. 30 and 31, heretofore described.
	N. 89° 59' E., on true line bet. secs. 30 and 31.
	Asc. over mountainous land, through dense cedar, pinon and spruce timber, and sagebrush undergrowth.
2.20	Spur, projects N., 20 ft. above sec. cor., thence along N. slope of ridge.
8.50	Leave dense timber, bears N. and S.
42.02	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 30 / S 31
	1919
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Start asc.

Chains.	
48.60	Enter dense cedar and pinon timber, bears N. and S.
57.60	Ridge, bears NE. and SW., 400 ft. above ¼ sec. cor.; desc.
82.02	The cor. of secs. 29, 30, 31 and 32, 100 ft. below ridge.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, dense cedar and pinon on extreme eastern and western portion.
	Undergrowth, sagebrush.
	Northern exposure in the western ¾ mile; southern exposure in the eastern ¼. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 29, 30, 31 and 32.
	N. 0° 12' W., bet. secs. 29 and 30.
	Asc. abruptly over mountainous land, through dense pinon timber, dense mahogany and sagebrush undergrowth.
4.10	Ridge, bears E. and W., 150 ft. above sec. cor. (Main divide bet. Tintic and Rush Valleys) desc. abruptly.
13.90	Ravine, drains W., 300 ft. below ridge. (South Fork of Miners Canon) asc.
19.96	Spur, projects W., 130 ft. above ravine; desc. From this point, U. S. Mineral Mon. No. 1, Tintic Mining Dist., bears S. 38° 08' W. For description of Mineral Mon., see "Mineral Nonument Locations" in the back of this book.
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 30 | S 29

1919

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No trees within limits suitable for bearingtrees.
	Cor. established 450 ft. below spur.
44.10	Main Fork of Miners Canon, drains SW., 30 ft. below ¼

Chains.

sec. cor.; asc.

65.99 Ridge, bears E. and W., 850 ft. above Miners Canon. From this point, U. S. Mineral Mon. No. 1, bears S. 11° 15' W. A monument on a prominent peak bears S. 57° 30' E. Desc. abruptly.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 19, 20, 29 and 30, with brass cap mkd.

T 9 S R 3 W	
S 19	S 20
S 30	S 29

1919

from which

A spruce, 18 ins. diam., bears N. 33° E., 78 lks. dist., mkd. T9S R3W S20 BT.

A spruce, 10 ins. diam., bears S. 68° E., 37 lks. dist., mkd. T9S R3W S29 BT.

A spruce, 20 ins. diam., bears S. 22° W., 44 lks. dist., mkd. T9S R3W S30 BT.

A cedar, 8 ins. diam., bears N. 57° W., 26 lks. dist., mkd. T9S R3W S19 BT.

Cor. established 130 ft. below ridge.

Land, rough mountainous.

Soil, light clay and gravel, shallow and rocky, with limestone close to surface.

Timber, dense cedar, pinon and spruce.

Undergrowth, sagebrush, mahogany and manzanita.

General western exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 19, 20, 29 and 30.

N. 89° 58' E., on a random line bet. secs. 20 and 29.

40.00 Set temp. ¼ sec. cor.

80.24 Intersect the N. and S. line, 23 lks. N. of the cor. of secs. 20, 21, 28 and 29.

N. 89° 52' W., on true line bet. secs. 20 and 29.

Subdivision, T. 9 S., R. 3 W.

Chains.	
	Desc. gradually over mountainous land, through dense aspen, cedar and pinon, spruce and mahogany timber, sagebrush and service berry undergrowth; along the steep S. slope of Mill Canon, over numerous unimportant spurs and ravines projecting and draining N. and NW.
29.60	Head of draw, drains NW., 30 ft. below sec. cor.; continue along S. slope of canon.
40.12	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 from which
	A spruce, 30 ins. diam., bears N. 21° E., 11 lks. dist., mkd. ¼ S20 BT.
	A spruce, 8 ins. diam., bears S. 8° W., 35 lks. dist., mkd. ¼ S29 BT.
	Cor. established on spur projecting N., 150 ft. above head of draw; desc.
61.20	Head of draw, drains N., 130 ft. below ¼ sec. cor.; asc.
70.60	Spur, projects N., 210 ft. above head of draw; desc.
80.24	The cor. of secs. 19, 20, 29 and 30, 130 ft. below spur.
	Land, mountainous.
	Soil, light clay and gravel, shallow, with limestone close to surface.
	Timber, dense cedar, pinon, aspen, spruce and mahogany.
	Undergrowth, sagebrush and service berry.
	General northern exposure. Limestone formation. Good grazing.

	From the cor. of secs. 19, 20, 29 and 30.
	S. 89° 59' W., on a random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
81.56	Intersect the W. bdy. of the twp., 24 lks. S. of the cor. of secs. 19 and 30, heretofore described.
	S. 89° 51' E., on true line bet. secs. 19 and 30.

Chains	
	Asc. over mountainous land, through dense cedar, pinon, spruce and mahogany timber, dense sagebrush and service berry undergrowth; along the S. side of ridge, over numerous unimportant spurs and ravines, projecting and draining S.
41.56	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 ¼ sec. cor., with brass cap mkd.
	¼ S 19 / S 30
	1919 from which
	A pinon, 10 ins. diam., bears N. 25° E., 36 lks. dist., mkd. ¼ S19 BT.
	A pinon, 10 ins. diam., bears S. 8° 30' W., 39 lks. dist., mkd. ¼ S30 BT.
	Cor. established 950 ft. above sec. cor.; continue asc.
63.60	Ridge, bears NW. and SE.; 250 ft. above ¼ sec. cor., thence along broken S. slope of Mill Canon.
81.56	The cor. of secs. 19, 20, 29 and 30, 100 ft. below top of ridge.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, dense cedar, pinon, spruce and mahogany, a few scattering aspen.
	Undergrowth, dense sagebrush and service berry brush.
	Southern exposure in the western portion; northern exposure in the eastern portion. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 19, 20, 29 and 30.
	N. 0° 12' W., bet. secs. 19 and 20.
	Desc. abruptly over rough mountainous land, through dense cedar, pinon, spruce and mahogany timber, dense sagebrush, scrub oak and service berry undergrowth.
25.90	Bottom of Mill Canon, drains W., 950 ft. below sec. cor.;

Chains.	
	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 19 | S 20

1919 from which

A pinon, 12 ins. diam., bears N. 78° E., 71 lks. dist., mkd. ¼ S20 BT.

A pinon, 10 ins. diam., bears N. 72° W., 56 lks. dist., mkd. ¼ S19 BT.

Cor. established 330 ft. above bottom of Mill Canon.; continue asc.

46.60 Ridge, bears E. and W., 200 ft. above ¼ sec. cor.; desc.

70.80 Canon, drains W., 450 ft. below ridge; asc.

80.00 Set an iron post, 3 ft. long, 2 ins. diam. 10 ins. in the ground, on solid rock, in large mound of stone, for the cor. of secs. 17, 18, 19 and 20, with brass cap mkd.

T 9 S. R 3 W

S 18 | S 17

S 19 | S 20

1919 from which

A pinon, 16 ins. diam., bears N. 7° E., 88 lks. dist., mkd. T9S R3W S17 BT.

A pinon, 14 ins. diam., bears S. 69° 30' E., 30 lks. dist., mkd. T9S R3W S20 BT.

A pinon, 18 ins. diam., bears S. 13° W., 40 lks. dist., mkd. T9S R3W S19 BT.

A pinon, 12 ins. diam., bears N. 12° W., 84 lks. dist., mkd. T9S R3W S18 BT.

Cor. established 130 ft. above canon bottom.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky, with limestone close to surface.

Timber, dense cedar, pinon, spruce and mahogany.

Chains.

Undergrowth, dense sagebrush, scrub oak and service berry.

General western exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 17, 18, 19 and 20.

S. 89° 52' E., on a random line bet. secs. 17 and 20.

40.00 Set temp. ¼ sec. cor.

80.24 Intersect the N. and S. line, 5 lks. N. of the cor. of secs. 16, 17, 20 and 21.

N. 89° 50' W., on true line bet. secs. 17 and 20.

Asc. gradually over mountainous land, through scattering cedar and pinon timber, dense sagebrush and scrub oak undergrowth.

20.00 Start abrupt asc., bears NW. and SE., enter dense timber.

35.60 Spur, projects N., 400 ft. above sec. cor.; desc.

40.12 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 17 / S 20

1919

from which

A pinon, 10 ins., diam., bears S. 21° E., 32 lks. dist., mkd. ¼ S 20 BT.

A pinon, 12 ins. diam., bears N. 38° W., 42 lks. dist., mkd. ¼ S17 BT.

Cor. established 100 ft. below spur; continue desc.

46.20 Ravine, drains N., 200 ft. below ¼ sec. cor.; asc.

55.30 Spur, projects N., 160 ft. above ravine; desc.

61.20 Ravine, drains N., 70 ft. below spur; asc.

75.70 Ridge, bears NW. and SE., 280 ft. above ravine; desc. gradually along S. side of ridge.

80.24 The cor. of secs. 17, 18, 19, and 20, 30 ft. below ridge.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky, with limestone close to surface.

Chains.	
	Timber, cedar and pinon.
	Undergrowth, sagebrush and scrub oak.
	General northern exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 17, 18, 19 and 20.
	N. 89° 51' W., on a random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
80.81	Intersect the W. bdy. of the twp., 5 lks. N. of the cor. of secs. 18 and 19, heretofore described.
	S. 89° 53' E., on true line bet. secs. 18 and 19.
	Asc. over rolling land, through dense sagebrush undergrowth.
13.70	Mouth of canon, drains NW., 120 ft. above sec. cor.; asc. over mountainous land, through dense timber.
40.81	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 18 / S 19
	1919
	from which
	A pinon, 18 ins. diam., bears S. 47° E., 16 lks. dist., mkd. ¼ S19 BT.
	A pinon, 12 ins. diam., bears N. 12° W. 14 lks. dist., mkd. ¼ S18 BT.
	Cor. established 430 ft. above canon bottom; continue asc.
80.81	The cor. of secs. 17, 18, 19 and 20, 600 ft. above ¼ sec. cor.
	Land, mountainous, rolling in the extreme western portion.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, dense cedar and pinon.
	Undergrowth, dense sagebrush.
	General southwestern exposure. Lime stone formation. Good grazing.

Chains.	
	From the cor. of secs. 17, 18, 19, and 20.
	N. 0° 12' W., bet. secs. 17 and 18.
	Asc. over rough mountainous land, through dense cedar and pinon timber, sagebrush, scrub oak, mahogany and service berry undergrowth.
1.50	Ridge, bears E. and W., 10 ft. above sec. cor.; desc. abruptly.
31.00	Bottom of Black Rock Canon, drains W., 1000 ft. below ridge; 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 18 | S 17

1919 from which

A pinon, 12 ins. diam., bears S. 77° E., 16 lks. dist., mkd. ¼ S17 BT.

A pinon, 6 ins. diam., bears N. 53° W., 119 lks. dist., mkd. ¼ S18 BT.

	Cor. established 80 ft. above Black Rock Canon; continue asc.
62.90	Ridge, bears E. and W., 550 ft. above canon; desc.
76.70	Ravine, drains W., 400 ft. below ridge; asc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 7, 8, 17 and 18, with brass cap mkd.

T 9 S R 3 W

S 7 | S 8

S 18 | S 17

1919 from which

A pinon, 12 ins. diam., bears N. 25° E., 33 lks. dist., mkd. T9S R3W S8 BT.

A pinon, 10 ins. diam., bears S. 65° E., 23 lks. dist., mkd. T9S R3W S17 BT.

A pinon, 8 ins. diam., bears S. 75° W., 51 lks. dist., mkd. T9S R3W S18 BT.

Chains.	
	A pinon, 14 ins. diam., bears N. 45° W., 25 lks. dist., mkd. T9S R3W S7 BT.
	Cor. established 80 ft. above ravine.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky, limestone close to surface.
	Timber, dense cedar and pinon.
	Undergrowth, dense sagebrush, service berry and mahogany and scrub oak.
	General western exposure. Limestone and quartzite formation.. Good grazing.

	From the cor. of secs. 7, 8, 17 and 18.
	S. 89° 50' E., on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect the N. and S. line, 16 lks. S. of the cor. of secs. 8, 9, 16 and 17.
	N. 89° 57' W., on true line bet. secs. 8 and 17.
	Desc. over mountainous land, through dense cedar and pinon timber, sagebrush, service berry, scrub oak and mahogany undergrowth.
35.80	A large dump from tunnel bears N. approximately 15 chs. Dump is in bottom of ravine, drains NW.
40.09	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 8 / S 17
	1919 from which
	A pinon, 6 ins. diam., bears N. 22° E., 48 lks. dist., mkd. ¼ S8 BT.
	A pinon, 6 ins. diam., bears S. 20° 30' E., 30 lks. dist., mkd. ¼ S17 BT.
	Thence over numerous unimportant spurs and ravines projecting and draining N. and NW. into Scranton Canon.
67.70	Ridge, bears NW. and SE., 200 ft. above ¼ sec. cor.; desc.
80.18	The cor. of secs. 7, 8, 17 and 18, 200 ft. below ridge.

Chains.

Land, mountainous.

Soil, light clay and loam, shallow and rocky, limestone close to surface.

Timber, cedar and pinon.

Undergrowth, sagebrush, scrub oak, service berry and mahogany.

Northern exposure in the eastern portion; southern exposure in the extreme western portion. Good grazing.

From the cor. of secs. 7, 8, 17 and 18.

N. 89° 53' W., on a random line bet. secs. 7 and 18.

40.00 Set temp. ¼ sec. cor.

80.70 Intersect the W. bdy. of the twp., 5 lks. S. of the cor. of secs. 7 and 18, heretofore described.

S. 89° 51' E., on true line bet. secs. 7 and 18.

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

29.00 Wire fence, bears N. and S.; start asc. over mountainous land.

40.70 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 7 / S 18

1919

from which

A pinon, 12 ins. diam., bears N. 63° 30' E., 134 lks. dist., mkd. ¼ S7 BT.

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

No other trees within limits suitable for bearing trees.

Cor. established 400 ft. above sec. cor.; continue asc.

80.70 The cor. of secs. 7, 8, 17 and 18, 480 ft. above ¼ sec. cor.

Land, rolling in the western portion; mountainous in the eastern portion.

Soil, light clay and gravel, shallow with limestone close to surface.

Timber, dense cedar and pinon.

Chains.	
	/Undergrowth, dense sagebrush.
	General western exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 7, 8, 17 and 18.
	N. 0° 12' W., bet. secs. 7 and 8.
	Asc. over mountainous land, through dense cedar and pinon timber, dense sagebrush, mahogany, service berry and scrub oak undergrowth.
7.50	Ridge, bears E. and W., 80 ft. above sec. cor.; desc.
17.91	From this point U. S. Mineral Mon. No. 1, bears N. 82° 08' E.
32.70	Scranton Canon, drains W., 600 ft. below ridge; asc. Road and telephone line in bottom of canon bears E. and W.
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 7 | S 8 1919 from which
	A cedar, 26 ins. diam., bears N. 88° 30' E., 63 lks. dist., mkd. ¼ S8 BT.
	A cedar, 8 ins. diam., bears S. 35° 38' W., 87 lks. dist., mkd. ¼ S7 BT.
	From this cor. the U. S. Mineral Mon. No. 1, bears S. 73° 57' E.
	Cor. established 190 ft. above Scranton Canon.
	Continue asc.
50.75	Ridge, bears E. and W., 180 ft. above ¼ sec. cor.; desc.
56.70	Ravine, drains W., 180 ft. below ridge; asc.
68.80	Ridge, bears E. and W., 300 ft. above ravine; desc.
80.00	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. 5, 6, 7, and 8, with brass cap mkd.

Chains	
	T 9 S R 3 W S 6 | S 5 S 7 | S 8 1919 from which
	A pinon, 8 ins. diam., bears N. 22° E., 41 lks. dist., mkd. T9S R3W S5 BT.
	A pinon, 12 ins. diam., bears S. 72° E., 53 lks. dist., mkd. T9S R3W S8 BT.
	A pinon, 12 ins. diam., bears S. 7° W., 39 lks. dist., mkd. T9S R3W S7 BT.
	A pinon, 8 ins. diam., bears N. 42° 30' W. 34 lks. dist., mkd. T9S R3W S6 BT.
	Cor. established 500 ft. below ridge.
	Land, rough and broken mountainous.
	Soil, light clay and gravel, shallow and rocky, with limestone close to surface.
	Timber, dense cedar and pinon.
	Undergrowth, sagebrush, mahogany, service berry and scrub oak.
	General western exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 5, 6, 7 and 8.
	S. 89° 57' E., on a random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect the N. and S. line, 16 lks. N. of the cor. of secs. 4, 5, 8 and 9.
	N. 89° 50' W., on true line bet. secs. 5 and 8.
	Asc. gradually over mountainous land, through dense cedar and pinon timber, dense sagebrush, service berry and scrub oak undergrowth.
7.50	Spur, projects N. 75° W., 30 ft. above ¼ sec. cor.; desc.
40.01	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 5 / S 8 1919 from which

Chains.	
	A pinon, 6 ins. diam., bears S. 13° 15' E., 117 lks. dist., mkd. ¼ S8 BT.
	A pinon, 6 ins. diam., bears N. 25° W., 83 lks. dist., mkd. ¼ S5 BT.
	Cor. established 500 ft. below spur.
	Continue desc. over rolling land.
80.02	The cor. of secs. 5, 6, 7 and 8, 120 ft. below ¼ sec. cor.
	Land, rough mountainous in the eastern portion; rolling in the western portion.
	Soil, light clay and gravel, shallow and rocky, with lime stone close to surface.
	Timber, dense cedar and pinon in the eastern portion; scattering in the western portion.
	Undergrowth, dense sagebrush, service berry and scrub oak.
	General western exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 5, 6, 7 and 8.
	N. 89° 51' W., on a random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
80.82	Intersect the W. bdy. of the tsp., 7 lks. S. of the cor. of secs. 6 and 7, heretofore described.
	S. 89° 48' E., on true line bet. secs. 6 and 7.
	Asc. over rolling mountainous land, through scattering cedar and pinon timber, dense sagebrush undergrowth.
.50	Telephone line bears NW. and SE.
6.70	Road, bears N. and S.
31.20	Old road, bears N. and S.
40.82	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and large mound of stone, for the ¼ sec. cor., with brass cap mkd.
	¼ S 6 / S 7

Chains.	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No trees within limits suitable for bearing trees.
	Corner established 170 ft. above sec. cor.; continue asc.
80.82	The cor. of secs. 5, 6, 7 and 8, 380 ft. above ¼ sec. cor.
	Land, rolling mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, scattering cedar and pinon.
	Undergrowth, dense sagebrush.
	General western exposure. Limestone formation. Good grazing.

	From the cor. of secs. 5, 6, 7 and 8.
	N. 0° 16' W., on a random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
82.92	Intersect the N. bdy. of the twp., 27 lks. W. of the cor. of secs. 5 and 6, heretofore described.
	S. 0° 5' E., on true line bet. secs. 5 and 6.
	Desc. over mountainous land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.
7.20	Canon, drains W., 130 ft. below sec. cor.; asc.
12.80	Spur, projects W., 180 ft. above canon; desc.
23.30	Old road in bottom of canon bears E. and W., canon drains W., 220 ft. below spur; asc.
41.10	Spur, projects W., 500 ft. above canon; desc.
42.92	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 6 | S 5

1919 from which

A pinon, 8 ins. diam., bears N. 37° E., 21 lks. dist., mkd. ¼ S5 BT.

A pinon, 10 ins. diam., bears S. 84° W., 57 lks. dist., mkd. ¼ S6 BT.

Cor. established 40 ft. below spur; continue desc.

Chains	
48.50	Ravine, drains W., 100 ft. below ¼ sec. cor.; asc.
63.70	Ridge, bears E. and W., 400 ft. above ravine; desc.
75.90	Canon, drains W., 335 ft. below ridge; asc.
82.92	The cor. of secs. 5, 6, 7 and 8, 210 ft. above canon.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky, with limestone close to surface.

Timber, scattering cedar and pinon.

Undergrowth, dense sagebrush.

General western and northwestern exposure. Limestone formation. Good grazing.

LOCATION OF MINERAL MONUMENTS

U. S. Mineral Monument No. 1, North Tintic Mining District.

A pine, post, 7"x7"x6 ft. above the ground, firmly set in large mound of stone, marked and witnessed as described by the surveyor general, except that the marks were not filled with nails.

From the cor. of secs. 29, 30, 31 and 32, the above described mineral monument bears N. 72° 04' W., 13.19 chs.

U. S. Mineral Monument No. 9, Tintic Mining District.

This monument has been destroyed, nothing remains but the mound of stone and bearing trees.

I locate the exact point for post by reference to both bearing trees.

From this point, the cor. of secs. 27, 28, 33 and 34, bears N. 45° 25' E., 28.74 chs. The ¼ sec. cor. bet. secs. 33 and 34, bears S. 46° 05' E.

U. S. Mineral Monument No. 1, Tooele Mining District.

A pine, post, 4"x4"x4 ft. loosely set in a mound of stone, marked and witnessed as described by the surveyor general.

Chains.

general. I rebuild mound of stone around post.
From the cor. of secs. 7, 8, 17 and 18, the above described mineral monument bears N. 63° 09' E., 57.50 chs.

U. S. Mineral Monument No. 3, North Tintic Mining District.
A pinon post, 8"x8"x6 ft. above ground, firmly set in a large mound of stone, marked and witnessed as described by the surveyor general.
From this monument the ¼ sec. cor. bet. secs. 21 and 22, bears S. 76° 25' W., 23.97 chs.
The ¼ sec. cor. bet. secs. 22 and 27, bears S. 20° 20' E.

U. S. Mineral Monument No. 8.
A pine post, 8"x8"x6 ft. above ground, firmly set; mkd. as described by the surveyor general.
This monument bears S. 9° 40' E., 13.40 chs. from the cor. of secs. 35 and 36, on the S. bdy. T. 9 S., R. 3 W.

Diligent search was made for the 64th mile corner on the west boundary of the old Fort Crittenden Military Reservation boundary, but no evidence of the cor. was found.

The cor. of secs. 7, 12, 13, and 18, on the E. bdy. of this township, to which mineral claims were tied, was carefully preserved in its original position. An iron post was set along side of the stone, marked for secs. 7 and 18, T. 9 S., R. 2 W. (For details in connection with this cor., see page 12, this book of notes.)

U. S. Mineral Monument No. 1, Unorganized Mining District, Juab County, Utah.

A pine post, 6 ins. x 6 ins. x 8 ft., loosely set in large mound of stone, mkd. and witnessed as described by the surveyor general. I rebuild mound around monument.
From the cor. of secs. 34 and 35, on the S. bdy. of the twp., the above described mineral monument bears N. 48° 54' E., 14.85 chs. dist.

Latitude and Departures, T. 9 S., R. 3 W.

Latitudes, departures, and closing errors.							
Line designated.	Course.	Dist.	Latitudes.		Deaprtures.	
			N.	S.	E.	W.
W.Bdy.T.9 S.,R.3 W.	North.	318.98	318.98	.....	.....	.....
W.Bdy.T.9 S.,R.3 W.	N.0° 12'W.	80.00	80.00	.....	.....	.28
W.Bdy.T.9 S.,R.3 W.	N.0° 16'W.	83.94	83.94	.....	.....	.39
N.Bdy.T.9 S.,R.3 W.	East.	313.88	.....	.....	313.88	.....
N.Bdy.T.9 S.,R.3 W.	S.89°51'E.	39.80	.....	.10	39.80	.....
N.Bdy.T.9 S.,R.3 W.	N.89°59'E.	39.97	.01	.....	39.97	.....
N.Bdy.T.9 S.,R.3 W.	East.	80.12	.....	.....	80.12	.....
E.Bdy.T.9 S.,R.3 W.	S.0° 03'W.	40.39	.....	40.39	.....	.04
" " " "	S.0° 07'W.	40.25	.....	40.25	.....	.08
" " " "	S.0° 03'E.	40.41	.....	40.41	.04	.....
" " " "	S.0° 45'E.	40.07	.....	40.07	.52	.....
" " " "	S.0° 09'E.	39.85	.....	39.85	.10	.....
" " " "	S.0° 10'E.	40.38	.....	40.38	.12	.....
" " " "	South. . .	39.64	.....	39.64	.....	.....
" " " "	S.0° 15'E.	122.31	.....	122.31	.53	.....
" " " "	S.0° 20'E.	39.80	.....	39.80	.23	.....
" " " "	South. . .	4.02	.....	4.02	.....	.....
S.Bdy.T.9 S.,R.2 W.	East. . .	7.94	.....	.....	7.94	.....
S.Bdy.T.9 S.,R.3 W.	S.0° 31'W.	35.85	.....	35.85	.....	.32
S.Bdy.T.9 S.,R.3 W.	West, . . .	482.26	.....	.....	.....	482.26
Convergency, ...			.....	.....	.61	.....
Totals, ...			482.93	483.07	483.86	483.37
				482.93	483.37	
Error in latitude, ...				.14		
Error in deprature, ...					.49	

GENERAL DESCRIPTION.

The land embraced within the borders of this township lies in three counties of Utah, viz: Utah, Juab and Tooele, and is entirely within a rough mountainous district, cut by numerous canons and ravines. It is covered by a dense growth of cedar, pinon, and mahogany timber, becomming somewhat scattering in the extreme northern portion. Dense spruce and scrub maple is also found, the spruce, particularly on the north slopes of the higher ridges and peaks, and the scrub maple in the bottom of the deep canons. Much of the best spruce timber has been cut at some earlier date, a saw mill having been located in Mill Canon from which it derived its name.

The highest peaks reach an estimated altitude of 8000 ft. above sea level. The canons in the southwest quarter of the township are deep with extraordinary steep slopes.

Dense sagebrush, scrub oak, service berry brush, brigham tea and grass covers the entire area, which, except the grass, becomes more scattering in the northern portion. This township affords excellent grazing.

The land also lies within a mineralized belt. Much evidence of mineral, and prospecting and mining are to be found, however, there have been no big mines discovered. Perhaps the most noted mine in the township is located in the mining camp of Scranton, in Sec. 8; which was the only mine being worked at the time of the survey. I am informed that considerable zinc ore has been shipped from this property. The ore is hauled to Del Monte, a siding on the Topliff Branch of the L. A. & S. L. R. R., some 6 miles northwest. Water for use in the camp is hauled from Del Monte.

The soil is mostly a light clay and gravel, shallow, with limestone ledges outcropping in numerous places. The soil is not adapted to agriculture, except in the bottom of Black Rock Canon, where it is a deep black sandy loam. N. L. Nelson, whose post office address is Lofgreen, Utah, has fenced approximately 60 acres and cultivated approximately 40 acres of this soil, and raises an average crop of hay and wheat, all of which is dry farmed. There is approximately 420 acres along the west side of the wash in Broad Canon, in secs. 2, 3, 10 and 11, which have a deep light sandy loam soil that could be dry farmed. Aside from the areas above mentioned, I am of the opinion the township should be classified as mineral land.

There were only four places found in the township that would indicate water. At one of these places in the SE¼ of the SE¼, sec. 22, a small spring of clear running water was found. The other three places, viz. the NW¼ of the SW¼, Sec. 34; the NW¼ of the SW¼, sec. 24, and the NW¼ of the SW¼, sec. 22, were dry, but

showed indications that water had existed there at some previous time, probably in the early spring.

The only settler in the township at the time of the survey was N. E. Nelson, mentioned above. Four miners were employed at the Scranton Mine.

I noticed no indications of oil in the township.

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Page

4—680

BOOK A-442

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Walter Byergo	Chainman.
D. E. MacMillian	Chainman.
N. Young	Chainman.
Jack Townsend	Chainman.
Melvin H. Lewis	Chainman.
Arthur R. Drinen	Chainman.
Grant Brown	Flagman
Kent Little	Flagman
Karl A. Geiser	Flagman
Kent Cobb	Axeman
Carleton E. Moran	Axeman
Edd Rockwell	Cornerman
Wesley L. Maughan	Cornerman.

I certify the above named assistants assisted me in surveying T. 9 S., R. 3 W.

Jos. C. Thoma

U. S. Cadastral Engineer.

0—2764

CERTIFICATE OF UNITED STATES SURVEYOR.
CADASTRAL ENGINEER.

I, Jos. C. Thoma, U. S. Cadastral ~~U. S. Surveyor~~ Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 18th day of October, 1916, 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 T. 9 S., R. 3 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.

Salt Lake City, Utah.
January 22, 1920.

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Jan. 15, 1921.

The foregoing field notes of the ~~survey of~~ retracement and resurvey of the east boundary, resurvey of the north and west boundaries and the subdivision of Township No. 9 South, Range No. 3 West of the Salt Lake Base and Meridian, Utah;

executed by Jos. C. Thoma

under ~~his~~ special instructions dated October 18, 1916, having been critically examined, and the necessary corrections and explanations made, and said field notes, and the surveys resurveys and retracements 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.

8—2764