Volume

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R0451

2

4—679

BOOK A-451 A

FIELD NOTES

RESURVEY
OF THE ~~SURVEY~~ OF ~~THE~~

A PORTION OF THE WEST BOUNDARY OR HENRY MOUNTAIN GUIDE MERIDIAN;

SURVEY OF THE SIXTH STANDARD PARALLEL SOUTH, Rs. 12 and 13 E., AND

SURVEY OF THE NORTH AND EAST BOUNDARIES AND SUBDIVISION OF

T.30 S., R. 12 E.

Of the SALT LAKE BASE AND [illegible] *Meridian,*

In the State of UTAH

EXECUTED BY

ELLIOT BIRD

In the capacity of U. S. Surveyor, *under instructions dated* February 3, *1917*, *issued by the United States Surveyor General to govern surveys included in Group No.* 61, *which were approved by the Commissioner of the General Land Office,* February 17, *1917* and Assignment Instructions dated June 23, 1921.

Survey commenced November 4, *1921.*

Survey completed December 1, *1921.*

6—151

F.M.S. V.I.F.
M.F.Y K.F.B.

F.M.S- V.I.F.

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BOOK A-451

INDEX DIAGRAM.

Township 30 South, *Range* 12 East

23 24 25 26 26 28

7 6 81 80	5 67 79	4 57 66	3 47 57	2 38 47	1 22 37
6 7 79 78	8 65 77	9 56 64	10 46 55	11 36 45	12 21 35
4 18 76 75	17 63 74	16 54 62	15 44 53	14 34 43	13 20 33
19 73 72	20 62 72	21 52 61	22 42 51	23 32 41	24 19 32
30 71 69	29 60 69	28 50 59	27 40 49	26 31 40	25 18 30
31 68 9	32 58 10	33 48 11	34 39 12	35 29 13	36 17 14

R. 13 E.

15 16

BOOK A-451

Vol 451

4—679 b

INDEX DIAGRAM.

Township 30 S., Range 12 E

25	26	27	28	29	30
9 6 83 5 69 4 59 3 49 2 40 1 24					
82	81	68	57	49	39
8 7 81 8 67 9 58 10 48 11 38 12 23					
80	79	66	57	47	37
6 18 78 17 65 16 56 15 46 14 36 13 22					
77	76	64	55	44	35
19 75 20 64 21 57 22 44 23 34 24 21					
74	74	63	53	43	34
30 73 29 62 28 52 27 42 26 33 25 20					
71	71	61	51	42	32
31 70 32 60 33 50 34 41 35 31 36 19					
11	12	13	14	15	16

R13E.

31.

17.

6—4817

DATE DIAGRAM OF T. 30 S., R. 12 E.; AND SIXTH STANDARD PARALLEL SOUTH, Rs. 12 AND 13 E.

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

SIXTH STANDARD PARALLEL SOUTH, THROUGH R. 13 E.

31 11-7-21	32 11-7-21

Survey commenced November 4, 1921 and executed with Young and Sons light mountain transit No. 8531. Instrument is equipped with Smith Solar attachment and full vertical circle. The horizontal limb is 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 and vertical circle.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for district No. 6, conditional upon satisfactory field tests, in assignment instructions dated June 23, 1921.

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

November 4, 1921: At my camp, situated in the SE. ¼ of sec. 26, T. 30 S., R. 11 E., approximate latitude 38°11' N., longitude 110°35' W.: At 4h 37.7m a.m. l. m. t., I observe Polaris at western elongation with the telescope in direct and reversed positions, and mark the line thus determined with a tack in a stake firmly driven in the ground, 8.00 chs. to the N. of my station.

At 8h 00m a.m. app. t.; I lay off the azimuth of Polaris which is 1°25' to the E., and mark the meridian thus determined with a tack in a stake firmly driven in the ground, 8.00 chs. N. of my station.

At 9h 00m a.m. app. t., with the transit in the meridian; I set off 38°11' N. on the latitude arc; 15°19' S., on the declination arc; and determine a meridian with the solar which I find agrees with the true meridian.

At app. noon; I make a meridian observation of the sun for time and latitude, observing simultaneously the alitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously, the alitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed alitude	36° 26' 30"
Reduced latitude	38° 11'
Mean watch time of observation	11h 52m a.m.
Watch fast of l. m. t.	8m 19.8s

At app. noon with the instrument in the meridian and the latitude arc unchanged, I find the reading of the declination arc to be 15°22'30" S., which agrees with the computed declination of the sun.

At 3h 00m app. t.; with the latitude arc unchanged, I set off 15°24' S.; on the declination arc; and determine a meridian with the solar which I find agrees with the true meridian.

As all the solar observation made during the usual hours of solar work, come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

The instrument was kept in good adjustment throughout the progress of this survey, frequent tests being made on the meridian determined by observation made on Polairs.

At the completion of the survey of this township, I make a final test of the instrument as follows.

December 1, 1921: At 9h 00m a.m. app. t., with the instrument in the meridian obtained by observation made on Polaris November 4, 1921; I set off 38°11' N., on the latitude arc; 21°45'30" S., on the declination arc, and determine a meridian with the solar which I find agrees with the true meridian.

At app. noon; with the instrument in the meridian and the latitude arc unchanged, I find the reading of the declination arc to be 21°47'30" S., which agrees with the computed declination of the sun.

At 3h 00m p.m. app. t., with the latitude arc unchanged I set off 21°48'30" S., on the declination arc, and determine a meridian with the solar, which I find agrees with the true meridian.

As all the solar observations made during the usual hours of solar work, come within 1' of the true meridian, I conclude that the instrument is in satisfactory adjustment.

Measurements.

Unless otherwise specified, all measurements are made with Lallie steel ribbon tapes, 5 chains in length compared with a Lufkin standard steel tape 1 chain in length and 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.

Chains	
	From the cor. secs. 13, 18, 19 and 24, on the W. bdy. of the township, which is a soft white sandstone, 5 x 6 x 6 ins. above ground, firmly set, marked with three notches on N. and S. edges, alongside of which is an iron post, 2 ins. dia., extending 12 ins. above ground, with a brass cap marked for secs. 13, 18, 19 and 24, and witnessed by a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	North, on a retracement line bet. secs. 13 and 18.
40.00	Find no trace of the ¼ sec. cor.; I therefore continue my retracement line N., and at 238.20 chs., I intersect the cor. Ts. 29 and 30 S., Rs. 11 and 12 E., hereinafter described.
	The bearing of this line is therefore N., and the proportionate dist, for each half mile is 39.70 chs.
	Subdivisions are dependent on this range line for R. 11 E., and owing to irregularities due to former surveys, I find it necessary in my survey to set a double set of cors.; one set at proportionate measurement bet, the cor. secs. 13, 18, 19 and 24, for R. 11 E., and the other at intervals of 40.00 chs., counting from the ¼ sec. cor. secs. 19 and 24, for R. 12 E.
	I now return to the cor. secs. 13, 18, 19 and 24, and efface the sec. marks on the cor. that pertain to R. 12 E.
	Thence
	North, on a resurvey line along the E. bdy. sec. 13.
	Ascend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.
.50	Road, bears N. 30° E. to Hanksville, Utah, and S. 30° W. to Granite Ranch.
1.10	Wash, 30 lks. wide, 3 ft. deep, drains N. 80° E.
4.50	Ridge, 15 ft. high, bears E. and W.
15.55	On rolling land; northing of 40.00 chs. from the ¼ sec. cor. secs. 19 and 24.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 18 and 19, with brass cap marked.

Chains	
	T30S S13 R11E | T30S S18 / S19 R12E 1921
	Dig pits, 18 x 18 x 12 ins., NE. and SE. of post, 3 ft. dist.
21.80	Wash, 50 lks. wide, 10 ft. deep, drains N. 80° E.
35.00	Spur, 20 ft. high, projects E.
39.70	Proportionate measurement, on rolling land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., sec. 13, with brass cap marked.
	¼ S13 | 1921
	Dig pits, 18 x 18 x 12 ins., N. amd S. of post, 3 ft. dist.
45.90	Wash, 30 lks. wide, 10 ft. deep, drains S. 80° E.
55.55	On rolling land, northing of 40.00 chs. from the cor. secs. 18 and 19.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 18, with brass cap marked.
	| ¼ S18 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
61.70	Spur, 10 ft. high, projects E.
65.00	Wash, 15 lks. wide, 5 ft. deep, drains S. 80° E.
70.00	Ridge, 20 ft. high, bears N. 60° W. and S. 60° E.
71.00	Wash, 30 lks. wide, 5 ft. deep, drains S. 70° E.
79.40	Proportionate measurement; on rolling land.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 12 and 13, with brass cap marked.
	T30S S12 | T30S / R12E S13 R11E | S18 1921
	Dig pits, 18 x 18 x 12 ins., NW. and SW. of post, 3 ft. dist.
	Land, rolling sand and clay hills with a general easterly exposure and drainage.
	Soil, shallow red sandy loam mixed with blue clay lying on red sandstone bed rock.

Chains	
	Undergrowth, scattering shadscale and sagebrush.
	No timber.
	Fair grazing on all of mile.
	North, along the E. bdy. sec. 12.
	Ascend gradually over broken E. slope of mesa through scattering undergrowth of shadscale and sagebrush.
11.30	East point of spur, 20 ft. above sec. cor., projects E.
16.15	On rolling land; northing of 40.00 chs. from the ¼ sec. cor. sec. 18.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 7 and 18, with brass cap marked.
	T30S S12 R11E | T30S S7 / S18 R12E 1921
	Dig pits, 18 x 18 x 12 ins., NE. and SE. of post, 3 ft. dist.
17.30	Draw, 20 ft. deep, drains E.
23.30	Spur, 20 ft. high, projects E.
24.30	Wash, 30 lks. wide, 4 ft. deep, drains E.
38.00	Spur, 80 ft. high, projects E.
39.70	Proportionate measurement; on steep N. slope of spur, 25 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ½ sec. cor. sec. 12, with brass cap marked.
	¼ S12 | 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
41.50	Base of inaccessible sandstone ledge, 100 ft. high, bears NE. and SW.
	To pass ledge, I offset as follows.
	East 10.00 chs. North 28.50 chs. West 10.00 chs. to true line, at
70.00	Thence, S., 4.54 chs. to
65.46	Base of inaccessible sandstone ledge, 100 ft. high, bears NE. and SW., and point 9.31 chs. N. of the true point for ¼ sec. cor. sec. 7.

Chains	
	Impossible to reach true position for cor., therefore at this point, on steep N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the ¼ sec. cor. sec. 7, with brass cap marked.
	¼ S7 WC 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
	Thence, from the 70.00 chs. point, descend abruptly.
72.50	Base of abrupt descent, 75 ft. below the witness ¼ sec. cor., bears NE. and SW.; thence over rolling land.
79.40	Proportionate measurement, on rolling land.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 1 and 12, with brass cap marked.
	T30S T30S R11E S1 R12E S12 S7 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, broken by sandstone ledges bet. the 41.50 chs. and 72.50 chs. points; rolling bench land remainder of mile.
	Soil, deep, sandy, red loam, mixed with blue clay, with sandstone subsoil.
	Drainage, E., into Beaver Wash.
	No timber. Undergrowth, scattering shadscale and sagebrush.
	Fair grazing on all of mile.
	North, on a resurvey line along the E. bdy. sec. 1.
	Descend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.
4.50	Spur, 20 ft. high, projects E.
7.30	Wash, 30 lks. wide, 6 ft. deep, drains E.
16.75	On rolling land, northing of 40.00 chs. from the true point for ¼ sec. cor. sec. 7.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 6 and 7, with brass cap marked.

Resurvey of the Henry Mountain Guide Meridian or,
Resurvey of the W. bdy. of T. 30 S., R. 12 E.

Chains	
	T30S T30S R12E S1 S6 R11E S7 1921
	Dig pits, 18 x 18 x 12 ins., NE. and SE. of post, 3 ft. dist.
22.30	Wash, 40 lks. wide, 5 ft. deep, drains N. 70° E.
26.50	Spur, 10 ft. high, projects E.
38.10	Wash, 50 lks. wide, 6 ft. deep, drains S. 80° E.
39.70	Proportionate measurement, on gentle S. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 1, with brass cap marked. ¼ S1 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
43.40	Ridge, 30 ft. high, bears E. and W.
50.70	Wash, 20 lks. wide, 4 ft. deep, drains E.
53.30	Spur, 30 ft. high, projects E.
56.60	Wash, 20 lks. wide, 4 ft. deep, drains S. 80° E.
56.75	On N. bank of wash; northing of 40,00 chs. from the cor. secs. 6 and 7.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 6, with brass cap marked. ¼ S6 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
57.50	Spur, 30 ft. high, projects E.
65.80	Wash, 10 lks. wide, 3 ft. deep, drains S. 80° E.
71.70	Spur, 30 ft. high, projects E.
79.40	On level land; the cor. Ts. 29 and 30 S., Rs. 11 and 12 E., which is a granite, loosely set, 8 x 8 x 6 ins. above ground, marked with 6 notches on all 4 edges, alongside of which.
	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. Ts. 29 and 30 S., Rs. 11 and 12 E., with brass cap marked.

Sixth Standard Parallel South through R. 12 E.

Chains	
	T29S R11E | R12E S36 | S31 S1 | S6 T30S 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	Land, rolling, with general SE. exposure.
	Soil, shallow red sandy loam mixed with blue clay with blue shale subsoil.
	Drainage, S . 80° E., into Beaver Wash.
	Undergrowth, scattering shadscale and sagebrush.
	No timber.
	Fair grazing on all of mile.
	Sixth Standard Parallel South through R. 12 E.
	From the standard cor. of Ts. 30 S., Rs. 11 and 12 E., which is an iron post, 3 ins. ldg., extending 12 ins. above a mound of stone, with a brass cap marked and witnessed as described by the surveyor general.
	East, along the S. bdy. sec. 31,
	Descend gradually over rolling land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
10.00	Sandstone ledge, 20 ft. high, bears N. and S.
15.20	Gulch, 90 ft. below the township cor., drains N. 40° E.; continue gradual descent over rolling land.
27.40	Wash, 40 lks. wide, 6 ft. deep, drains S. 20° W.
34.30	Leave timber, bears N. and S.
40.00	On rolling land, 40 ft. below gulch.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ sec. cor., with brass cap marked.
	SC ¼ S31 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
41.50	Begin abrupt descent over broken E. slope of mesa, bears N. and S.

Sixth Standard Parallel South Through R. 12 E.

Chains	
50.00	Base of abrupt descent, 210 ft. below top, bears N. and S., thence over rolling land.
57.10	Wash, 40 lks. wide, 4 ft. deep, drains N. 60° E.
80.00	On top of low ridge, bears N. and S.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. secs. 31 and 32, with brass cap marked.
	S C T30S R12E S31 S32 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land, rolling, broken in places by sandstone ledges, with an eastern exposure.
	Soil, deep red sandy loam with sandstone subsoil.
	Drainage, NE., into Beaver Wash.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, scattering cedar and pinon on W. 34.30 chains, none remainder of mile.
	Fair grazing on all of mile.
	East, along the S. bdy. sec. 32.
	Ascend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.
9.10	Wash, 20 lks. wide, 4 ft. deep, drains N.
33.80	Wash, 50 lks. wide, 3 ft. deep, drains N. 20° E.
40.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ sec. cor., with brass cap marked.
	S C ¼ S32 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
44.80	Low spur, 20 ft. high, projects S.
51.10	Wash, 10 lks. wide, 4 ft. deep, drains N. 10° E.
80.00	On gentle W. slope.

Chains	
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. secs. 32 and 33, with brass cap marked.
	S C T30S R12E S32 S33
	1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land, rolling with a general northern exposure.
	Soil, deep red sandy loam with red sandstone subsoil.
	Drainage, N., into Beaver Wash..
	Undergrowth, scattering shadscale and sagebrush.
	No timber.
	Fair grazing on all of mile.
	East, along the S. bdy. sec. 33.
	Ascend gradualy over rolling land through scattering undergrowth of shadscale and sagebrush.
16.80	Low ridge, 20 ft. high, bears N. 80° E. and S. 80° W.
22.10	Spur, 15 ft. high, projects N.
40.00	On level land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ sec. cor., with brass cap marked.
	S C ¼ S33
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
66.70	Wash, 15 lks. wide, 4 ft. deep, drains S. 10° W.
69.70	Spur, 30 ft. high, projects S.
73.10	Wash, 40 lks. wide, 6 ft. deep, drains S.
78.30	Spur, 20 ft. high, projects S.
80.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. secs. 33 and 34, with brass cap marked.

S	C
T30S	R12E
S33	S34

1921

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

Land, rolling with a general southern exposure.

Soil, deep red sandy loam with red sandstone subsoil.

Drainage, S., into fork of the Dirty Devil River.

Undergrowth, scattering shadscale and sagebrush.

No timber.

Fair grazing on all of mile.

East, along the S. bdy. sec. 34.

Descend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.

2.50 Draw, 35 ft. deep, drains S.

6.50 Ridge, 30 ft. high, bears N. and S.

11.60 Draw, 30 ft. deep, drains S. 10° E.

14.90 Spur, 20 ft. high, projects N.

40.00 On rolling land.

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

S	C
¼	S34

1921

Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.

46.10 Low spur, 15 ft. high, projects N.

80.00 On rolling land.

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

S	C
T30S	R12E
S34	S35

1921

Dig pits, 18 x 18 x 12 ins., E., W. & N. of post, 3 ft. dist.

Land rolling with a general southern exposure.

Chains	
	Soil, sandy and rocky loam about 3 ft. deep with sandstone subsoil.
	Drainage, S., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale and sagebrush.
	No timber.
	Fair grazing on all of mile.
	East, along the S. bdy. sec. 35.
	Descend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.
28.10	Wash, 40 lks. wide, 5 ft. deep, drains SE.
36.40	Spur, 15 ft. high, projects N.
40.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ sec. cor., with brass cap marked.
	S C ¼ S35 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
43.70	Draw, 30 ft. below the ¼ sec. cor., drains S. 20° E.
45.60	Spur, 40 ft. above draw, projects S. 10° E.
55.30	Wash, 20 lks. wide 4 ft. deep, drains S. 20° W.
61.10	Low ridge, 20 ft. high, bears N. and S.
72.30	Draw, 50 ft. deep, drains S. 10° W.
80.00	On rolling land, 60 ft. above draw.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. secs. 35 and 36, with brass cap marked.
	S C T30S | R12E S35 | S36 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land, rolling with a general southern exposure.
	Soil, shallow red sandy loam with sandstone subsoil.
	Drainage, S. 10° W., into fork of the Dirty Devil River.

Chains	
	Undergrowth, scattering shadscale and sagebrush.
	No timber.
	Fair grazing on all of mile.
	East, along the S. bdy. sec. 36.
	Descend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.
7.90	Wash, 30 ft. below sec. cor., 30 lks. wide, 4 ft. deep, drains S. 30° W.
12.30	Spur, 20 ft. above wash, projects N.
16.10	Gully, 15 ft. below spur, drains S. 20° W.
29.20	Spur, 20 ft. above gully, projects N.
34.60	Wash, 20 lks. wide, 5 ft. deep, 30 ft. below spur, drains SW.
36.10	South point of spur, 15 ft. above wash, projects S.
39.00	Draw, 15 ft. below point of spur, drains SW.
40.00	On smooth red sandstone surface, 15 ft. above draw, mark a cross 8 ins. dia., over which.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for standard ¼ sec. cor., with brass cap marked.
	S C ¼ S36 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
48.70	Spur, 30 ft. above the ¼ sec. cor., projects S.
54.10	Wash, 20 lks. wide, 4 ft. deep, 20 ft. below spur, drains NW.
62.70	Spur, 20 ft. above wash, projects S.
63.20	Draw, 15 ft. below spur, drains S. 30° W.
65.30	Ridge, 40 ft. above draw, bears N. and S.
79.40	Wash, 20 lks. wide, 4 ft. deep, 20 ft. below spur, drains S. 30° W.
80.00	On gentle W. slope, 15 ft. above wash.
	Set an iron post, 3 ft. long, 3 ins. dia., 16 ins. in the ground to bed rock and 8 ins. in a mound of stone, for

standard cor. T. 30 S., Rs. 12 and 13 E., with brass cap marked.

SC
T30S
R12E | R13E
S36 | S31

1921

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

Land, rolling with a general southwesterly exposure.

Soil, shallow red sandy loam with red sandstone subsoil.

Drainage, SW., into fork of the Dirty Devil River.

Undergrowth, scattering shadscale and sagebrush.

No timber.

Fair grazing on all of mile.

Sixth Standard Parallel South through R. 13 E.

From the standard cor. T. 30 S., Rs. 12 and 13 E.

East, along the S. bdy. sec. 31.

Ascend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.

8.10 Ridge, 20 ft. above the township cor., bears NE. and SW.

10.30 Draw, 15 ft. below ridge, drains S. 30° W.

18.30 Ridge, 40 ft. above draw, bears NE. and SW.

21.30 Draw, 30 ft. below ridge, drains S. 10° W.

40.00 On rolling land, 30 ft. above draw.

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bed rock and 20 ins. in a mound of stone, for standard ¼ sec. cor., with brass cap marked.

S C
¼ S31

1921

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

42.30 Head of a box canyon, 30 ft. below the ¼ sec. cor., drains SW.

46.10 Spur, 50 ft. above head of canyon, projects SW.

72.80 Draw, 30 ft. below spur, drains S. 20° E.

Sixth Standard Parallel South through R. 13 E.

Chains	
80.00	On rolling land, 40 ft. above draw.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for standard cor. secs. 31 and 32, with brass cap marked.
	S C T30S R13E S31 S32 1921
	Dig pits, 18 x 18 x 12 ins., E., W. & N. of post, 3 ft. dist.
	Land, rolling with a general southwesterly exposure.
	Soil, shallow red sandy loam with sandstone subsoil.
	Drainage, SW., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale and sagebrush.
	No timber.
	Fair grazing on all of mile.
	East, along the S. bdy. sec. 32.
	Ascend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.
24.40	Ridge, 40 ft. above the sec. cor., bears N. and S.
40.00	In bottom of draw, 50 ft. below ridge, drains SW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for standard ¼ sec. cor., with brass cap marked.
	S C ¼ S32 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
45.00	West side of inaccessible box canyon with perpendicular sandstone sides about 300 ft. high. Distance on line to the E. of this point can be obtained only by triangulation and the point for the standard cor. secs. 32 and 33, as called for in the special instructions, falls in inaccessible sandstone ledges where it cannot be set; I therefore abandon the line at this point.
	Land, rolling with a general southwesterly exposure.
	Soil, shallow sandy loam with sandstone subsoil.

East Boundary of T. 30 S., R. 12 E.

Chains	
	Undergrowth, scattering shadscale and sagebrush.
	Drainage, SW., into fork of the Dirty Devil River.
	No timber.
	Fair grazing on all of fractional mile.

East Boundary of T. 30 S., R. 12 E.

Chains	
	From the standard cor. T. 30 S., Rs. 12 and 13 E.
	North, bet. secs. 31 and 36.
	Ascend gradually over rolling land through scattering undergrowth of shadscale and sagebrush.
3.60	Spur, 30 ft. high, projects W.
16.40	Wash, 20 lks. wide, 4 ft. deep, drains SW.
19.70	Spur, 20 ft. high, projects SW.
34.80	Draw, 20 ft. deep, drains W.
36.10	Spur, 20 ft. high, projects S. 80° W.
40.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bed rock and 14 ins. in a mound of stone, for ¼ sec. cor., with brass cap marked.
	¼ S36 S31 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
53.50	Gully, 15 ft. deep, drains W.
55.70	Spur, 20 ft. high, projects W.
60.10	Wash, 40 lks. wide, 5 ft. deep, drains W.
62.50	Spur, 15 ft. high, projects W.
65.10	Wash, 30 lks. wide, 5 ft. deep, drains S. 60° W.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 25, 30, 31 and 36, with brass cap marked.

East Boundary T. 30 S., R. 12 E.

Chains	
	T30S R12E | R13E S25 | S30 S36 | S31 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling with general westerly exposure.
	Soil, shallow red sandy loam with red sandstone subsoil.
	Drainage, W., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale and sagebrush.
	No timber.
	Fair grazing on all of mile.
	North, bet. secs. 25 and 30.
	Descend gradually over rolling land through scattering shadscale, sage, black and scrub oak brush.
5.70	Wash, 30 lks. wide, 4 ft. deep, drains S. 80° W.
18.30	Spur, 30 ft. high, projects SW.
28.10	Gully, 20 ft. deep, drains S. 80° W.
39.50	Spur, 20 ft. high, projects W.
40.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S25 | S30 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
45.00	Draw, 20 ft. deep, drains W.
50.40	Ridge, 40 ft. high, bears E. and W.
56.10	Wash, 50 lks. wide, 6 ft. deep, drains S. 80° W.
59.70	Spur, 50 ft. high, projects W.
70.60	Wash, 50 lks. wide, 6 ft. deep, drains S. 30° W.
75.00	Wash, 50 lks. wide 6 ft. deep, drains S. 10° W.
80.00	On level land.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 19, 24, 25 and 30, with brass cap marked.

East Boundary of T. 30 S., R. 12 E.

Chains	
	T30S R12E | R13E S24 | S19 S25 | S30 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling with a general westerly exposure.
	Soil, shallow red sandy loam with red sandstone subsoil.
	Drainage, W., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	North, bet. secs. 19 and 24.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
4.50	Ridge, 30 ft. high, bears NE. and SW.
6.70	Wash, 20 lks. wide, 4 ft. deep, drains SW.
10.80	Spur, 10 ft. high, projects S. 60° W.
22.80	Draw, 10 ft. deep, drains S. 10° W.
26.10	Divide bet. Beaver Wash and fork of the Dirty Devil River, 75 ft. high, bears NE. and SW.
40.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked. ¼ S24 | S19 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
	Thence, descend gradually over nearly level land.
80.00	On gentle NW. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 13, 18, 19 and 24, with brass cap marked.

East Boundary of T. 30 S., R. 12 E.

Chains	
	T30S R12E | R13E S13 | S18 S24 | S19 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling with a general westerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bedrock.
	Drainage, SW., into fork of the Dirty Devil River on S. 26.10 chs., NW., into Beaver Wash remainder of mile.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	North, bet. secs. 13 and 18.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
10.70	Wash, 10 lks. wide, 2 ft. deep, drains SW.
19.10	Ridge, 20 ft. high, bears NE. and SW.
25.00	Draw, 20 ft. deep, drains S. 60° W.
40.00	On top of spur, 15 ft. high, projects SW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S13 | S18 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
67.10	Swale, 15 ft. deep, drains S. 60° W.
80.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 7, 12, 13 and 18, with brass cap marked.
	T30S R12E | R13E. S12 | S7 S13 | S18 1921

East Boundary of T. 30 S., R. 12 E.

Chains	
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling with a general westerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bedrock.
	Drainage, SW., into Beaver Wash.
	Undergrowth, scattering shadscale, black, sage, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	North, bet. secs. 7 and 12.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
10.20	Spur, 10 ft. high, projects SW.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S12 | S7 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
41.00	Enter large swale, bears NE. and SW.
75.00	Bottom of swale, 50 ft. deep, drains NW.
80.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 1, 6, 7 and 12, with brass cap marked.
	T30S R12E | R13E S1 | S6 S12 | S7 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bedrock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.

East Boundary of T. 30 S., R. 12 E.

Chains	
	No timber.
	Fair grazing on all of mile.
	North, bet. secs. 1 and 6.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
3.50	North edge of swale, bears NE. and SW.
8.10	Draw, 30 ft. deep, drains SW.
13.70	Spur, 30 ft. high, projects SW.
17.50	Draw, 10 ft. deep, drains S. 30° W.
21.00	Spur, 40 ft. high, projects SW.
22.70	Draw, 30 ft. deep, drains SW.
27.20	Ridge, 50 ft. high, bears NE. and SW.
40.00	In bottom of draw, 30 ft. deep, drains SW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S1 | S6 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
56.70	Ridge, 40 ft. high, bears SE. and NW.
64.50	Set temp. township cor. Cor. later established at 62.85 chs. pt.
	Land, rolling with a general southwesterly exposure.
	Soil, shallow red sandy loam with red sandstone subsoil.
	Drainage, SW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.

North Boundary of T. 30 S., R. 12 E.

	From the temp cor. of Ts. 29 and 30 S., Rs. 12 and 13 E., West, on random line along the N. bdy. of the township, leaving points at intervals of 40.00 chs., and at.
479.45	Fall 165 lks. N. of the cor. Ts. 29 and 30 S., Rs. 11 and

Chains	
	12 E., heretofore described.
	Thence,
	From the cor. Ts. 29 and 30 S., Rs. 11 and 12 E.
	East, bet. secs. 6 and 31.
	Ascend gradually over rolling land through scattering undergrowth of sage, shadscale and black brush.
14.30	Spur, projects SE., 15 ft. high.
30.20	Wash, 20 lks. wide, 4 ft. deep, drains SE.
39.45	On rolling land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S31 / S6
	1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
43.00	Road, bears N. to Hanksville, Ut., and SE. to Granite Ranch.
50.00	Wash, 40 lks. wide, 8 ft. deep, drains S. 60° E.
52.00	Low ridge, 15 ft. high, bears SE. and NW.
56.30	Gully, 20 ft. deep, drains SE.
58.00	Spur, 20 ft. high, projects SE.
59.00	Wash, 50 lks. wide, 10 ft. deep, drains S. 10° E.
62.00	Spur, 20 ft. high, projects S.
63.70	Swale, 30 ft. deep, drains S.
79.00	Top of abrupt descent, bears NE. and SW.
79.45	On steep SE. slope, 15 ft. below top of abrupt descent.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 5, 6, 31 and 32, with brass cap marked.
	T29S R12E / S31 S32 / S6 S5 / T30S
	1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling with a general souteasterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bedrock.
	Drainage, SE., into Beaver Wash.

North Boundary of T. 30 S., R. 12 E.

Chains	
	Undergrowth, scattering shadscale, sage and black brush.
	No timber.
	Fair grazing on all of mile.
	East, bet. secs. 5 and 32.
	Descend abruptly over rolling land through scattering undergrowth of shadscale, sage and black brush.
.50	Base of abrupt descent, 15 ft. below sec. cor., bears NE. and SW.; thence over rolling land.
15.50	Low spur, 15 ft. high, projects S.
20.80	Wash, 30 lks. wide, 5 ft. deep, drains SE.
30.30	Spur, 10 ft. high, projects NE.
35.00	Draw, 20 ft. deep, drains NE.
40.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S32 / S5 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
45.00	Spur, 30 ft. high, projects NE.
60.00	Draw, 20 ft. deep, drains NE.
61.00	Ridge, 30 ft. high, bears NE. and SW.
80.00	In bottom of swale, 30 ft. deep, drains NE.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 4, 5, 32 and 33, with brass cap marked.
	T29S R12E: S32 S33 / S5 S4 — T30S 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling with a general southerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bedrock.
	Drainage, NE., into Beaver Wash.
	Undergrowth, scattering shadscale, sage and black brush

Chains	
	No timber.
	Fair grazing on all of mile.
	East, bet. secs. 4 and 33.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage and black brush.
15.20	Spur, 30 ft. high, projects NE.
18.10	Gully, 30 ft. deep, drains NE.
27.80	Spur, 40 ft. high, projects N.
36.60	Beaver Wash, 250 lks. wide, 10 ft. deep, drains NE.; small seeps of alkali water found along wash at this point.
40.00	On gentle W. slope, 15 ft. above wash.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S33 / S4 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
74.60	Spur, 20 ft. high, projects N.
77.30	Draw, 30 ft. deep, drains N.
80.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 3, 4, 33 and 34, with brass cap marked.
	T20S R12E S33 S34 S4 S3 T30S 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling with a general northeasterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bedrock.
	Drainage, NE., by Beaver Wash.
	Undergrowth, scattering shadscale, sage and black brush.
	No timber.
	Fair grazing on all of mile.

Chains	
	East, bet. secs. 3 and 34.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
1.50	Ridge, 50 ft. high, bears N. and S.
21.20	Draw, 50 ft. deep, drains N.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S34 / S3
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
49.90	Draw, 50 ft. deep, drains N. 10° E.
77.00	Spur, 30 ft. high, projects NE.
80.00	In bottom of swale, 15 ft. deep, drains N.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 2, 3, 34 and 35, with brass cap marked.
	T29S R12E S34 S35 S3 S2 T30S 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling, with a general northeasterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bedrock.
	Drainage, NE., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	East, bet. secs. 2 and 35.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
11.90	Wash, 30 lks. wide, 5 ft. deep, drains NE.
13.60	Spur, 40 ft. high, projects NE.

Chains	
22.00	Gully, 60 ft. deep, drains N. 20° E.
30.30	Ridge, 40 ft. high, bears N. and S.
31.50	Begin abrupt descent into Beaver Wash, bears N. and S.
40.00	At bottom of abrupt descent, 220 ft. below top, bears N. and S., on S. side of main channel of Beaver Wash.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	S35 ¼ S2 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
	Thence, over rolling bottom of Beaver Wash along S. side of main channel.
47.50	Draw, 20 ft. deep, drains NE.
52.50	Begin abrupt ascent over broken sandstone ledges from bottom of Beaver Wash, bears NE. and SW.
57.00	Point of sandstone spur, 60 ft. above base of ascent, projects N.; descend gradually.
67.30	Gulch, 60 ft. below spur, drains N. 20° E.; ascend abruptly.
69.50	Spur, 60 ft. above gulch, projects N.; also top of abrupt ascent from Beaver Wash, bears NE. and SW.; thence over rolling land.
71.90	Wash, 40 lks. wide, 5 ft. deep, drains N.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 1, 2, 35 and 36, with brass cap marked.
	T29S R12E S35 S36 S2 S1 T30S 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling except bet. the 31.50 chs. and 69.50 chs. points, which is broken by sandstone ledges which form the S. breaks of Beaver Wash.
	Soil, shallow red sandy loam lying on red sandstone bedrock.

Chains

Drainage, NE., by Beaver Wash.

Undergrowth, scattering shadscale, sage and scrub oak brush.

No timber.

Fair grazing on all of mile.

East, bet. secs. 1 and 36.

Ascend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.

35.80 Wash, 60 lks. wide, 30 ft. deep, drains N.

36.30 Spur, 30 ft. high, projects N.

40.00 On rolling land, at base of gradual, broken ascent, bears N. and S.

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

S36
¼
S1
1921

Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.

50.00 Top of broken ascent, 75 ft. above base, bears N. and S.; thence over rolling land.

80.00 On rolling land; intersect the E. bdy. of the township, 165 lks. S. of the temp. cor. Ts. 29 and 30 S., Rs. 12 and 13 E.

At point of intersection.

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. Ts. 29 and 30 S., Rs. 12 and 13 E., with brass cap marked.

T29S
R12E | R13E
S36 | S31
S1 | S6
T30S
1921

Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.

Land, rolling with a general northerly exposure.

Soil, shallow red sandy loam lying on red sandstone bed rock.

Drainage, N., into Beaver Wash.

Chains	
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair grazing on all of mile.

Subdivision of T. 30 S., R. 12 E.

Chains	
	From the standard cor. secs. 35 and 36, on the S. bdy. of the township.
	N. 0°01' W., bet. secs. 35 and 36.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.
5.90	Draw, 10 ft. deep, drains S. 30° W.
9.80	Spur, 10 ft. high, projects SW.
15.10	Wash, 30 lks. wide, 4 ft. deep, drains SW.
26.90	Spur, 20 ft. high, projects SW.
40.00	On gentle SW. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼
S35 | S36
1921

Chains	
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
48.70	Spur, 15 ft. high, projects SW.
49.80	Draw, 20 ft. deep, drains S. 60° W.
52.50	Spur, 15 ft. high, projects SW.
60.10	Gully, 30 ft. deep, drains S. 20° W.
68.40	Spur, 20 ft. high, projects SW.
78.90	Draw, 15 ft. deep, drains S. 30° W.
80.00	On gentle SW. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in the ground to bed rock and 12 ins. in a mound of stone, for cor. secs. 25, 26, 35 and 36, with brass cap marked.

T30S | R12E
S26 | S25
S35 | S36
1921

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling with a general southwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, SW., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair 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, 9 lks. N. of the cor. secs. 25, 30, 31 and 36.
	Thence
	N. 89°56' W., on true line bet. secs. 25 and 36.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.
17.50	Wash, 30 lks. wide, 5 ft. deep, drains S. 60° W.
21.20	Ridge, 20 ft. high, bears NE. and SW.
27.00	Draw, 15 ft. deep, drains SW.
31.00	Spur, 20 ft. high, projects SW.
40.04	On rolling land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S25 / ¼ S36
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
51.10	Wash, 30 lks. wide, 5 ft. deep, drains S. 30° W.
53.30	Spur, 30 ft. high, projects S.
56.00	Wash, 30 lks. wide, 5 ft. deep, drains S. 70° W.
68.00	Spur, 20 ft. high, projects S. 10° W.
73.60	Draw, 15 ft. deep, drains SW.
80.08	The cor. secs. 25, 26, 35 and 36.
	Land, rolling with a general southwesterly exposure.
	Soil, shallow red sandy loam lying on sandstone bed rock.
	Drainage, SW., into fork of the Dirty Devil River.

Chains	
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 25 and 26.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.
16.40	Spur, 30 ft. high, projects SW.
19.70	Wash, 40 lks. wide, 4 ft. deep, drains S. 8° E.
23.70	Top of red sandstone ledge, 30 ft. high, bears E. and W.
40.00	On gentle SW. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S26 | S25 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
43.80	Sand ridge, 20 ft. high, bears NE. and SW.
55.00	Wash, 40 lks. wide, 5 ft. deep, drains SW.
55.30	Begin gradual ascent over series of small sandstone ledges, bears NE. and SW.
75.20	Top of ascent over sandstone ledges, 70 ft. above base, bears NE. and SW.; thence ascend gradually over rolling land.
80.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 23, 24, 25 and 26, with brass cap marked.
	T30S | R12E S23 | S24 S26 | S25 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general southwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bedrock.
	Drainage, SW., into fork of the Dirty Devil River.

Chains	
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°56' E., on random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the E. bdy. of the township, 3 lks. S. of the cor. secs. 19, 24, 25 and 30.
	Thence
	N. 89°57' W., on true line bet. secs. 24 and 25.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.
35.00	Spur, 40 ft. high, projects S. 30° W.
40.02	On gentle NW. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S24/S25 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
44.60	East side of swale, bears NE. and SW.
57.00	Bottom of swale, 30 ft. deep, drains SW.
75.00	West side of swale, bears NE. and SW.
75.80	Spur, 15 ft. high, projects S. 10° W.
80.04	The cor. secs. 23, 24, 25 and 26.
	Land, rolling, with a general southwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, SW., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 23 and 24.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.

Chains	
4.10	Top of divide bet. Beaver Wash and fork of the Dirty Devil River, 20 ft. high, bears NE. and SW.
40.00	In bottom of draw, 15 ft. deep, drains NW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S23 | S24 1921.
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
64.30	Draw, 40 ft. deep, drains NW.
80.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 13, 14, 23 and 24, with brass cap marked.
	T30S | R12E S14 | S13 S23 | S24 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°57' E., on random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the E. bdy. of the township, at the cor. secs. 13, 18, 19 and 24.
	Thence
	N. 89°57' W., on true line bet. secs. 13 and 24.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.

Chains	
8.00	Ridge, 20 ft. high, bears SE. and NW.
13.30	Wash, 20 lks. wide, 5 ft. deep, drains NW.
24.60	Spur, 15 ft. high, projects NW.
40.03	In bottom of draw, 20 ft. deep, drains NW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S13 / S24
	1921
	Dig pits, 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist.
44.80	Spur, 15 ft. high, projects S. 20° W.
53.20	Draw, 20 ft. deep, drains N. 20° W.
66.00	Spur, 20 ft. high, projects SW.
80.06	The cor. secs. 13, 14, 23 and 24.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 13 and 14.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.
16.20	Ridge, 20 ft. high, bears NE. and SW.
40.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S14 | S13
	1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
56.10	Wash, 30 lks. wide, 5 ft. deep, drains NE.

Chains	
72.40	Ridge, 20 ft. high, bears E. and W.
80.00	In bottom of swale, 20 ft. deep, drains NE.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 11, 12, 13 and 14, with brass cap marked.
	T30S | R12E S11 | S12 S14 | S13 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general northeasterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NE., into Beaver Wash.
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°57' E., on random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect the E. bdy. of the township, 12 lks. N. of the cor. secs. 7, 12, 13 and 18.
	Thence
	N. 89°52' W., on true line bet. secs. 12 and 13.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage and scrub oak brush.
14.80	Draw, 20 ft. deep, drains NW.
28.00	Spur, 15 ft. high, projects SE.
36.00	Swale, 15 ft. deep, drains NW.
40.05	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	S12 ¼ S13 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.

Chains	
41.40	Spur, 15 ft. high, projects S.
57.00	Draw, 20 ft. deep, drains N. 70° W.
63.00	Ridge, 25 ft. high, bears N. and S.
80.10	The cor. secs. 11, 12, 13 and 14.
	Land, rolling, with a general northerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage and scrub oak brush.
	No timber.
	Fair grazing on all of mile.

	N. 0°01' W., bet. secs. 11 and 12.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
7.10	Wash, 30 lks. wide, 5 ft. deep, drains NW.
25.30	Spur, 15 ft. high, projects SW.
35.20	Draw, 15 ft. deep, drains SW.
40.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S11 | S12

1921

	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
46.20	Ridge, 25 ft. high, bears NE. and SW.
47.10	Gully, 20 ft. deep, drains E.
80.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 1, 2, 11 and 12, with brass cap marked.

T30S S2 | R12E S1

S11 | S12

1921

	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.

Chains	
	Land, rolling, with a general southwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, SW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°52' E., on random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect the E. bdy. of the township, 9 lks. S. of the cor. secs. 1, 6, 7 and 12.
	Thence
	N. 89°56' W., on true line bet. secs. 1 and 12.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
5.90	Spur, 15 ft. high, projects N.
13.00	Wash, 50 lks. wide, 5 ft. deep, drains NW.
36.00	Ridge, 20 ft. high, bears S. 20° E. and N. 20° W.
40.06	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S1 / S12
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
48.30	Draw, 40 ft. deep, drains N. 20° W.
62.40	Spur, 20 ft. high, projects N. 20° W.
65.80	Wash, 30 lks. wide, 4 ft. deep, drains N. 10° W.
67.50	Spur, 15 ft. high, projects N. 10° W.
75.00	Wash, 30 lks. wide, 5 ft. deep, drains N.
80.12	The cor. secs. 1, 2, 11 and 12.
	Land, rolling, with a general northerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.

Chains	
	Drainage, N., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	North, on random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
62.77	Intersect the N. bdy. of the township, 12 lks. W. of the cor. secs. 1, 2, 35 and 36.
	Thence
	S. 0°07' W., on true line bet. secs. 1 and 2.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
2.60	Gully, 40 ft. deep, drains NW.
22.77	On top of spur, 20 ft. high, projects NE.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S2 | S1 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
32.80	Wash, 30 lks. wide, 5 ft. deep, drains N. 20° W.
50.60	Spur, 20 ft. high, projects NE.
62.77	The cor. secs. 1, 2, 11 and 12.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.

Chains	
	From the standard cor. of secs. 34 and 35, on the S. bdy. of the township.
	N. 0°01' W., bet. secs. 34 and 35.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
12.00	Gully, 20 ft. deep, drains S. 80° E.
40.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S34 | S35 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
55.00	Spur, 20 ft. high, projects S. 60° E.
67.70	Draw, 15 ft. deep, drains E.
74.70	Spur, 15 ft. high, projects E.
80.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 26, 27, 34 and 35, with brass cap marked.
	T30S | R12E S27 | S26 S34 | S35 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general easterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, E., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.

Chains	
	East, on random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect the N. and S. line, 12 lks. N. of the cor. secs. 25, 26, 35 and 36.
	Thence
	N. 89°55' W., on true line bet. secs. 26 and 35.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
17.40	Wash, 20 lks. wide, 4 ft. deep, drains S.
31.00	Spur, 20 ft. high, projects S.
36.50	Draw, 15 ft. deep, drains SW.
39.95	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S26 / S35
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
45.00	Spur, 15 ft. high, projects S.
47.00	Draw, 20 ft. deep, drains S. 10° E.
79.90	The cor. secs. 26, 27, 34 and 35.
	Land, rolling, with a general southerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 26 and 27.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
4.10	Wash, 30 lks. wide, 4 ft. deep, drains S. 70° E.
14.70	Spur, 15 ft. high, projects SE.
32.40	Draw, 15 ft. deep, drains S. 60° E.

Chains	
40.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S27 | S26 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
58.00	Spur, 10 ft. high, projects E.
67.30	Draw, 15 ft. deep, drains S. 60° E.
80.00	On gentle SE. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 22, 23, 26 and 27, with brass cap marked.
	T30S | R12E S22 | S23 S27 | S26 1921
	Dig pits, 18 x 18 x 12 ins., in each sec. 3 ft. dist.
	Land, rolling with a general southeasterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, SE., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°55' E., on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect the N. and S. line, 7 lks. S. of the cor. secs. 23, 24, 25 and 26.
	Thence
	N. 89°58' W., on true line bet. secs. 23 and 26.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.

Chains	
9.00	Draw, 20 ft. deep, drains S. 20° W.
18.00	Spur, 15 ft. high, projects SW.
24.30	Wash, 40 lks. wide, 4 ft. deep, drains S. 10° W.
39.98	On top of spur, 15 ft. high, projects S.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S23 / S26
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
57.70	Spur, 20 ft. high, projects S. 10° W.
63.00	Draw, 20 ft. deep, drains S. 10° W.
79.96	The cor. secs. 22, 23, 26 and 27.
	Land, rolling, with a general southerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, S. 10° W., into fork of the Dirty Devil River.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 22 and 23.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
24.00	Top of divide bet. Beaver Wash and fork of the Dirty Devil River, 30 ft. high, bears SE. and NW.
40.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ / S22 | S23
	1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
54.00	Head of wash, 30 lks. wide, 4 ft. deep, drains N. 70° W.

Chains	
55.00	Ridge, 30 ft. high, bears SE. and NW.
80.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 14, 15, 22 and 23, with brass cap marked.
	T30S R12E S15 | S14 S22 | S23 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°58' E., on random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.,
79.34	Intersect the N. and S. line, 3 lks. S. of the cor. secs. 13, 14, 23 and 24.
	Thence
	N. 89°59' W., on true line bet. secs. 14 and 23.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
8.80	Swale, 10 ft. deep, drains SW.
32.40	Spur, 10 ft. high, projects S.
34.00	Draw, 20 ft. deep, drains S. 20° W.
36.30	Ridge, 20 ft. high, bears N. and S.
39.37	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	S14 ¼ S23 1921

Chains	
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
51.00	Spur, 20 ft. high, projects S.
67.60	Swale, 40 ft. deep, drains NW.
79.94	The cor. secs. 14, 15, 22 and 23.
	Land, rolling, with a general southerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, SW. and NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.

	N. 0°01' W., bet. secs. 14 and 15.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
23.00	Swale, 15 ft. deep, drains NW.
32.00	Spur, 15 ft. high, projects W.
40.00	In bottom of draw, 15 ft. deep, drains NW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S15 | S14

1921

	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
45.00	Draw, 10 ft. deep, drains N. 60° W.
54.70	Ridge, 30 ft. high, bears SE. and NW.
72.20	Swale, 15 ft. deep, drains N. 30° W.
80.00	On gentle SW. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 10, 11, 14 and 15, with brass cap marked.

T30S | R12E

S10 | S11

S15 | S14

1921

Chains	
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°59' E., on random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect the N. and S. line, 5 lks. N. of the cor. secs. 11, 12, 13 and 14.
	Thence
	N. 89°57' W., on true line bet. secs. 11 and 14.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
10.00	Draw, 20 ft. deep, drains N. 30° W.
12.80	Spur, 20 ft. high, projects NW.
22.00	Draw, 15 ft. deep, drains N. 35° W.
39.27	In bottom of draw, 15 ft. deep, drains NW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S11 / S14
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
53.30	Spur, 20 ft. high, projects N. 20° W.
65.00	Draw, 20 ft. deep, drains NW.
77.80	Ridge, 25 ft. high, bears NW. and SE.
79.94	The cor. secs. 10, 11, 14 and 15.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.

Chains	
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 10 and 11.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
7.00	Ridge, 30 ft. high, bears SE. and NW.
40.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S10 | S11 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
56.30	Draw, 20 ft. deep, drains NW.
67.00	Spur, 20 ft. high, projects SW.
80.00	On gentle NW. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 2, 3, 10 and 11, with brass cap marked.
	T30S R12E S3 | S2 S10 | S11 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.

Chains	
	S. 89°57' E., on random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
79.88	Intersect the N. and S. line, 14 lks. S., of the cor. secs. 1, 2, 11 and 12.
	Thence
	S. 89°57' W., on true line bet. secs. 2 and 11.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
11.40	Ridge, 60 ft. high, bears N. and S.
18.30	Gully, 20 ft. deep, drains N. 20° W.
22.20	Spur, 40 ft. high, projects N. 30° W.
39.94	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	S2 / ¼ / S11 / 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
42.50	Wash, 50 lks. wide, 5 ft. deep, drains N.
64.00	Spur, 20 ft. high, projects N. 15° W.
75.00	Draw, 20 ft. deep, drains N. 15° W.
78.30	Ridge, 20 ft. high, bears N. and SW.
79.88	The cor. secs. 2, 3, 10 and 11.
	Land, rolling, with general northerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, N., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°07' E., on random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.

Chains	
62.80	Intersect the N. bdy. of the township, 2 lks. E. of the cor. secs. 2, 3, 34 and 35.
	Thence, S. 0°06' W., on true line bet. secs. 2 and 3.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
22.00	Wash, 20 lks. wide, 4 ft. deep, drains NE.
22.80	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S3 | S2 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
30.00	Ascent becomes more gradual, bears E. and W.
62.80	The cor. secs. 2, 3, 10 and 11.
	Land, rolling, with a general northerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NE., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	From the standard cor. secs. 33 and 34, on the S. bdy. of the township.
	N. 0°02' W., bet. secs. 33 and 34.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
5.00	Spur, 30 ft. high, projects S. 30° W.
17.40	Draw, 20 ft. deep, drains S. 20° W.
20.30	Ridge, 40 ft. high, bears S. 70° E. and N. 70° W.
38.40	Draw, 50 ft. deep, drains NW.

Chains	
40.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S33 | S34 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
54.50	Spur, 15 ft. high, projects SW.
63.10	Wash, 30 lks. wide, 5 ft. deep, drains SW.
66.90	Spur, 15 ft. high, projects SW.
68.10	Draw, 20 ft. deep, drains S. 20° W.
80.00	On top of spur, 15 ft. high, projects S. 20° W.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 27, 28, 33 and 34, with brass cap marked.
	T30S | R12E S28 | S27 S33 | S34 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling, with a general southwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, SW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	East, on random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line, 5 lks. N. of the cor. secs. 26, 27, 34 and 35.
	Thence
	N. 89°58' W., on true line bet. secs. 27 and 34.

Chains	
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
9.00	Ridge, 20 ft. high, bears N. and S.
25.80	Gully, 20 ft. deep, drains S.
36.00	Spur, 25 ft. high, projects S.
40.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S27 / S34
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
43.00	Spur, 20 ft. high, projects S. 20° W.
54.50	Draw, 20 ft. deep, drains S. 20° W.
70.70	Spur, 40 ft. high, projects SW.
80.00	The cor. secs. 27, 28, 33 and 34.
	Land, rolling, with a general southerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, S. 20° W., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°02' W., bet. secs. 27 and 28.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
7.10	Draw, 20 ft. deep, drains N. 80° W.
10.00	Spur, 15 ft. high, projects W.
40.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ / S28 | S27
	1921

Chains	
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
	Thence over nearly level land.
80.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 21, 22, 27 and 28, with brass cap marked.

T30S	R12E
S21	S22
S28	S27

1921

	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling with a general westerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, W., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°58' E., on random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the N. and S. line, 5 lks. S. of the cor. secs. 22, 23, 26 and 27.
	Thence
	West, on true line bet. secs. 22 and 27.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
15.00	Ridge, 40 ft. high, bears N. and S.
32.00	Draw, 15 ft. deep, drains NW.
40.02	On gentle W. slope.
	Set an iron post, 3 ft. long., 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

S22
¼
S27

1921

Chains

Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.

61.70 Draw, 15 ft. deep, drains NW.

62.70 Ridge, 15 ft. high, bears NW. and SE.

80.04 The cor. secs. 21, 22, 27 and 28.

Land, rolling, with a general northwesterly exposure.

Soil, shallow red sandy loam lying on red sandstone bed rock.

Drainage, NW., into Beaver Wash.

Undergrowth, scattering shadscale, sage, black, and scrub oak brush.

No timber.

Fair grazing on all of mile.

N. 0°02' W., bet. secs. 21 and 22.

Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.

5.00 Enter large swale, bears SE. and NW.

40.00 In bottom of swale, 50 ft. deep, drains NW.

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

	¼
S21	S22

1921

Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.

80.00 On N. side of swale, bears S. 80° E. and N. 80° W.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 15, 16, 21 and 22, with brass cap marked.

T30S S16	R12E S15
S21	S22

1921

Dig pits, 18 x 18 x 12 ins., in each sec. 3 ft. dist.

From this cor.; the highest point on Mount Ellen, bears S. 56°08' W., about 15 miles dist.

Chains	
	The highest point on a lone butte, bears N. 45°24' W,, about 30 miles dist.
	Land, rolling, with a general northwesterly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	East, on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect the N. and S. line, 7 lks. N. of the cor. secs. 14, 15, 22 and 23.
	Thence
	N. 89°57' W., on true line bet. secs. 15 and 22.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
10.50	Ridge, 40 ft. high, bears N. and S.
39.95	In bottom of swale, 15 ft. deep, drains N. 20° W.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S15 / S22
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
66.30	Ridge, 40 ft. high, bears N. 20° W. and S. 20° E.
79.90	The cor. secs. 15, 16, 21 and 22.
	Land, rolling, with a general northwesterly exposure and drainage,
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.

Chains	
	No timber.
	Fair grazing on all of mile.

	N. 0°02' W., bet. secs. 15 and 16.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
22.00	Draw, 30 ft. deep, drains W.
30.30	Wash, 30 lks. wide, 4 ft. deep, drains NW.
40.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S16 | S15

1921

	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
55.00	Spur, 15 ft. high, projects NW.
59.80	Draw, 15 ft. deep, drains NW.
79.60	Sandstone spur, 15 ft. high, projects SW.
80.00	Corner point falls on sandstone surface rock, at which point I mark a cross (X) for exact corner point and over which,
	Set an iron post, 3 ft. long, 2 ins. dia., in a large mound of stone, for cor. secs. 9, 10, 15 and 16, with brass cap marked.

T30S S9	R12E S10
S16	S15

1921

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling, with a general westerly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage NW. into Beaver Wash.

Chains	
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°57' E., on random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect the N. and S. line, 2 lks. S. of the cor. secs. 10, 11, 14 and 15.
	Thence
	N. 89°58' W., on true line bet. secs. 10 and 15.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
11.00	Ridge, bears N. and S., 40 ft. high.
36.00	Draw, 15 ft. deep, drains N. 10° W.
39.98	On low spur, 15 ft. high, projects S.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S10 / S15
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
49.80	Wash, 30 lks. wide, 4 ft. deep, drains N. 10° W.
65.00	Spur, 20 ft. high, projects N.
68.80	Draw, 15 ft. deep, drains N.
79.30	Spur, 15 ft. high, projects SW.
79.96	The cor. secs. 9, 10, 15 and 16, 25 ft. below top of spur.
	Land, rolling, with a general northerly exposure.
	Drainage, N., into Beaver Wash.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber. Fair grazing on all of mile.

Chains	
	N. 0°02' W., bet. secs. 9 and 10.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black and scrub oak brush.
8.50	Draw, 15 ft. deep, drains W.
17.80	Spur, 20 ft. high, projects N. 80° W.
33.70	Wash, 50 lks. wide, 4 ft. deep, drains W.
40.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S9 | S10

1921

	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
53.00	Ridge, 20 ft. high, bears NE. and SW.
71.00	Draw, 30 ft. deep, drains W.
80.00	In bottom of draw, 30 ft. deep, drains W.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 3, 4, 9 and 10, with brass cap marked.

T30S S4	R12E S3
S9	S10

1921

	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general westerly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.

Chains	
	S. 89°58' E., on random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
79.36	Intersect the N. and S. line, 7 lks. N. of the cor. secs. 2, 3, 10 and 11.
	Thence
	N. 89°55' W., on true line bet. secs. 3 and 10.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, black, and scrub oak brush.
29.00	Bottom of swale, 40 ft. deep, drains N. 20° W.
39.98	On top of ridge, 35 ft. high, bears S. 20° E. and N. 20° W.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S3 / S10 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
46.70	Wash, 80 lks. wide, 10 ft. deep, drains N. 20° W.
54.80	Ridge, 20 ft. high, bears N. and S.
64.00	Draw, 20 ft. deep, drains N.
74.80	Ridge, 25 ft. high, bears N. and S.
79.36	The cor. secs. 3, 4, 9 and 10.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, N. 20° W., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, black, and scrub oak brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°06' E., on random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
62.70	Intersect the N. bdy. of the township, 11 lks. E. of the cor. secs. 3, 4, 33 and 34.
	Thence

Chains	
	South, on true line bet. secs. 3 and 4.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
5.10	Draw, 15 ft. deep, drains N. 20° W.
17.00	Spur, 20 ft. high, projects NE.
22.70	On gentle NW. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S4 | S3 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
38.00	Draw, 15 ft. deep, drains NE.
53.70	Ridge, 20 ft. high, bears NE. and SW.
62.70	The cor. secs. 3, 4, 9 and 10.
	Land, rolling, with a general northeasterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NE., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	From the standard cor. secs. 32 and 33, on the S. bdy. of the township.
	N. 0°03' W., bet. secs. 32 and 33.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
5.00	Draw, 15 ft. deep, drains N. 70° W.
13.30	Spur, 20 ft. high, projects SW.
14.50	South side of wide swale, bears E. and W.
40.00	In bottom of swale, 40 ft. deep, drains W.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

Chains	
	$\frac{1}{4}$ S32 | S33 1921
	Dig pits, 18 x 18 x 12 ins,, N. and S. of post, 3 ft. dist.
60.00	North side of swale, bears N. 70° E. and W.
80.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 28, 29, 32 and 33, with brass cap marked.
	T30S | R12E S29 | S28 S32 | S33 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general westerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, W., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	East, on random line bet secs. 28 and 33.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect the N. and S. line, 5 lks. N. of the cor. secs. 27, 28, 33 and 34.
	Thence
	N. 89°58' W., on true line bet. secs. 28 and 33.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
10.00	Wash, 10 lks. wide, 3 ft. deep, drains N. 10° W.
23.80	Ridge, 20 ft. high, bears N. and S.
30.60	Draw, 15 ft. deep, drains N.
36.00	Spur, 15 ft. high, projects N. 10° W.
40.06	In bottom of draw, 10 ft. deep, drains N.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

Chains	
	S28 ¼ S33 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
46.90	Spur, 40 ft. high, projects N.
66.40	Wash, 30 lks. wide, 3 ft. deep, drains N.
80.12	The cor. secs. 28, 29, 32 and 33,
	Land, rolling, with a general northerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, N., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°03' W., bet. secs. 28 and 29.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
16.40	Draw, 15 ft. deep, drains NW.
40.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S29 | S28 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 20, 21, 28 and 29, with brass cap marked..
	T30S | R12E S20 | S21 S29 | S28 1921
	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.

Chains	
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, NW., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°58' E., on random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.14	Intersect the N. andS. line, 2 lks. S. of the cor. secs. 21, 22, 27 and 28.
	Thence
	N. 89°59' W., on true line bet. secs. 21 and 28.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
19.00	Wash, 30 lks. wide, 3 ft. deep, drains N. 20° W.
40.07	On top of low ridge, 30 ft. high, bears N. and S.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S21 / S28
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
51.00	Wash, 15 lks. wide, 3 ft. deep, drains N. 20° W.
80.14	The cor. secs. 20, 21, 28 and 29.
	Land, rolling, with a general northwesterly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, N. 20° W., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.

Chains	
	N. 0°03' W., bet. secs. 20 and 21.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
15.70	Wash, 60 lks. wide, 6 ft. deep, drains N. 10° E.
22.00	Same wash, drains N. 10° W.
38.70	Same wash, drains N. 12° E.
40.00	On NW. bank of wash.
	Set an iron post, 3 ft. long, 1 ins. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼
S20 | S21
1921

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
74.20	Same wash, drains N. 8° W.
76.00	Same wash, drains N. 10° E.
80.00	On top of spur, 15 ft. high, projects NE.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 16, 17, 20 and 21, with brass cap marked.

T30S	R12E
S17	S16
S20	S21

1921

	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general northerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, N., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.

	S. 89°59' E., on random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect the N. and S. line, 2 lks. N. of the cor. secs. 15, 16, 21 and 22.

Chains	
	N. 89° 58' W. on true line bet. Secs.16 and 21,
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
19.80	Draw, 20 ft. deep, drains N. 10° W.
29.30	Ridge, 30 ft. high, bears N. and S.
38.50	Draw, 20 ft. deep, drains N.
40.08	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S16 / S21
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
42.40	Spur, 20 ft. high, projects N.
48.80	Draw, 20 ft. deep, drains N. 10° W.
62.20	Spur, 40 ft. high, projects N.
68.90	Wash, 60 lks. wide, 8 ft. deep, drains N.
80.16	The cor. secs. 16, 17, 20 and 21.
	Land, rolling, with a general northerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, N., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.

	N. 0°03' W., bet. secs. 16 and 17.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
19.40	Draw, 15 ft. deep, drains N. 60° E.
33.00	Spur, 20 ft. high, projects E.
40.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ / S17 | S16
	1921

Chains	
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
63.70	Draw, 10 ft. deep, drains N. 60° E.
73.00	Spur, 20 ft. high, projects N. 20° W.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for cor. secs. 8, 9, 16 and 17, with brass cap marked.
	T30S | R12E S8 | S9 S17 | S16 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling, with a general northerly exposure.
	Drainage, N. 60° E., into Beaver Wash.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°58' E., on random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect the N. and S. line, at the cor secs. 9, 10, 15 and 16.
	Thence
	N. 89°58' W., on true line bet. secs. 9 and 16.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
29.70	Wash, 40 lks. wide, 5 ft. deep, drains N.
38.70	Ridge, 30 ft. high, bears N. and S.
40.09	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S9 S16 1921

Chains	
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
51.20	Spur, 15 ft. high, projects N.
65.10	Draw, 15 ft. deep, drains N. 10° W.
69.70	Spur, 15 ft. high, projects N.
74.70	Wash, 60 lks. wide, 8 ft. deep, drains N. 20° W.
80.18	The cor. secs. 8, 9, 16 and 17.
	Land, rolling, with a general northerly exposure.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Drainage, N., into Beaver Wash.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°03' W., bet. secs. 8 and 9.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
5.00	Center of Beaver Wash, dry, 2.00 chs. wide, 6 ft. deep, drains NE.
20.00	Spur, 20 ft. high, projects NE.
40.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S8 | S9 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
54.70	Spur, 15 ft. high, projects E.
67.10	Draw, 10 ft. deep, drains N. 70° E.
76.30	Spur, 15 ft. high, projects NE.
80.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 4, 5, 8 and 9, with brass cap marked.

Chains

T30S	R12E
S5	S4
S8	S9

1921

Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.

Land, rolling, with a general northeasterly exposure.

Soil, shallow red sandy loam lying on red sandstone bed rock.

Drainage, NE., into Beaver Wash.

Undergrowth, scattering shadscale, sage, and black brush.

No timber.

Fair grazing on all of mile.

S. 89°58' E., on random line bet. secs. 4 and 9.

40.00 Set temp. ¼ sec. cor.

80.16 Intersect the N. and S. line, 5 lks. S. of the cor. secs. 3, 4, 9 and 10.

Thence

West, on true line bet. secs. 4 and 9.

Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.

10.00 Point of spur, 15 ft. high, projects SW.

14.20 Wash, 20 lks. wide, 4 ft. deep, drains N.

20.00 Spur, 15 ft. high, projects NW.

34.00 Draw, 30 ft. deep, drains N. 10° W.

40.08 On top of spur, 15 ft. high, projects N.

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

S4
¼
S9

1921

Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.

49.40 Draw, 15 ft. deep, drains N. 10° W.

51.00 Spur, 15 ft. high, projects N.

59.00 Center of Beaver Wash, dry, 2.00 chs. wide, 6 ft. deep, drains N.

Chains	
79.00	Spur, 15 ft. high, projects N. 20° E.
80.16	The cor. secs. 4, 5, 8 and 9.
	Land, rolling, with a general northerly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	North, on random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
62.50	Intersect the N. bdy. of the township, 9 lks. W. of the cor. secs. 4, 5, 32 and 33.
	Thence
	S. 0°05' W., on true line bet. secs. 4 and 5.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
12.50	Wash, 1.40 chs. wide, 6 ft. deep, drains NE.
22.50	On rolling land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S5 | S4 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
24.40	Wash, 40 lks. wide, 4 ft. deep, drains NE.
62.50	The cor. secs. 4, 5, 8 and 9.
	Land, rolling, with a general northeasterly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.

Chains	
	From the standard cor. secs. 31 and 32, on the S. bdy. of the township.
	N. 0°03' W., bet. secs. 31 and 32.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
9.00	Wash, 20 lks. wide, 3 ft. deep, drains NE.
40.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S31 | S32

1921

Chains	
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
51.40	Ridge, 20 ft. high, bears NE. and SW.
57.50	Draw, 10 ft. deep, drains NE.
60.00	Spur, 15 ft. high, projects E.
65.00	Wash, 20 lks. wide, 4 ft. deep, drains N. 60° E.
80.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 29, 30, 31 and 32, with brass cap marked.

T30S S30	R12E S29
S31	S32

1921

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling, with a general northeasterly exposure and drainage,
	Soil, shallow red sandy loam mixed with blue clay lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	Timber, scattering cedar and pinon in the SW. ¼ sec. 31.
	Fair grazing on all of mile.

Chains	
	East, on random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect the N. and S. line, 5 lks. S. of the cor. secs. 28, 29, 32 and 33.
	Thence, S. 89°58' W., on true line bet. secs. 29 and 32.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
32.00	Center of wash, 5.00 chs. wide, 4 ft. deep, drains N. 10° E.
36.80	Spur, 15 ft. high, projects N.
40.01	In bottom of swale, 15 ft. deep, drains N.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S29 / S32
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
65.00	Draw, 20 ft. deep, drains N. 30° E.
80.02	The cor. secs. 29, 30, 31 and 32.
	Land, rolling, with a general northeasterly exposure and drainage,
	Soil, shallow red sandy loam mixed with blue clay lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	West, on random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.70	Intersect the W. bdy. of the township, 23 lks. N. of the cor. secs. 25, 30, 31 and 36, which is an iron post, 2 ins. dia., extending 12 ins. above the ground, firmly set, and marked and witnessed as described by the surveyor general.
	Thence
	N. 89°50' E., on true line bet. secs. 30 and 31.

Chains

Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.

8.40 Wash, 40 lks. wide, 4 ft. deep, drains N. 20° E.

12.50 Wash, 40 lks. wide, 4 ft. deep, drains N. 10° E.

27.00 Ridge, 60 ft. high, bears N. and S.

32.10 Wash, 30 lks. wide, 6 ft. deep, drains N.

34.70 Spur, 20 ft. high, projects N. 20° W.

38.40 Wash, 30 lks. wide, 4 ft. deep, drains N. 10° W.

39.70 On rolling land.

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

$$\frac{S30}{S31}$$

1921

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

44.70 Wash, 20 lks. wide, 4 ft. deep, drains N. 15° E.

47.70 Base of abrupt ascent over W. slope of broken sandstone point, bears NE. and SW.

54.60 Top of abrupt ascent, 210 ft. above base, bears NE. and SW.; thence over broken top of sandstone point.

63.70 Top of abrupt descent from sandstone point, bears NE. and SW.

70.00 Base of abrupt descent from sandstone point, 210 ft. below top, bears NE. and SW.; thence over rolling land.

79.70 The cor. secs. 29, 30, 31 and 32.

Land, rolling except bet. the 47.70 chs. and 70.00 chs. points, which is broken by high sandstone point, which projects NE.

Soil, shallow red sandy loam lying on red sandstone bed rock.

Drainage, NE., into Beaver Wash.

Undergrowth, scattering shadscale, sage, and black brush.

Timber, scattering cedar and pinon in the SW. ¼ sec. 31.

Fair grazing on all of mile.

Chains	
	N. 0°03' W., bet. secs. 29 and 30.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
.40	Ridge, 6 ft. high, bears E. and W.
3.60	Draw, 10 ft. deep, drains E.
8.30	Spur, 20 ft. high, projects NE.
15.30	Wash, 40 lks. wide, 4 ft. deep, drains N. 20° E.
26.30	Spur, 20 ft. high, projects E.
32.30	Wash, 30 lks. wide, 4 ft. deep, drains N. 30° E.
40.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼
S30 | S29
1921

	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
42.00	Wash, 30 lks. wide, 3 ft. deep, drains E.
67.00	Spur, 20 ft. high, projects E.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 19, 20, 29 and 30, with brass cap marked.

T30S	R12E
S19	S20
S30	S29

1921

Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.

Land, rolling, with a general easterly exposure and drainage.

Soil, shallow red sandy loam lying on red sandstone bed rock.

Undergrowth, scattering shadscale, sage, and black brush.

No timber.

Fair grazing on all of mile.

Chains	
	N. 89°58' E., on random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line, 2 lks. N. of the cor. secs. 20, 21, 28 and 29.
	Thence
	S. 89°59' W., on true line bet. secs. 20 and 29.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
4.60	Wash, 60 lks. wide, 6 ft. deep, drains N.
40.00	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S20 / S29
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
80.00	The cor. secs. 19, 20, 29 and 30.
	Land, rolling, with a general northerly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°50' W., on random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
79.65	Intersect the W. bdy. of the township, 2 lks. N. of the cor. secs. 19, 24, 25 and 30, which is an iron post, 2 ins. dia., extending 12 ins. above the ground, and marked and witnessed as described by the surveyor general.
	Thence
	N. 89°49' E., on true line bet. secs. 19 and 30.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.

Chains	
.20	The NW. bank of Beaver Wash, bears NE. and SW.
7.30	The center of Beaver Wash, 6 ft. deep, drains NE.
9.70	The SE. bank of Beaver Wash, bears NE. and SW.
39.65	In bottom of small draw, 10 ft. deep, drains N. 10° E.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S19 / S30 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
54.50	Spur, 10 ft. high, projects N.
61.50	Draw, 10 ft. deep, drains N.
64.30	Net wire fence, bears S. 1°00' W., 70 chs. dist., N. 1°00' E., 7.10 chs. dist., and N. 84°56' W., about 160.00 chs. dist.
79.65	The cor. secs. 19, 20, 29 and 30.
	Land, rolling, with a general northeasterly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°03' W., bet. secs. 19 and 20.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
5.40	Ridge, 15 ft. high, bears E. and W.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S19 | S20 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
66.10	Ridge, 20 ft. high, bears NE. and SW.

Chains	
80.00	On SE. bank of Beaver Wash.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 17, 18, 19 and 20, with brass cap marked.
	T30S | R12E S18 | S17 S19 | S20 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling, with a general northeasterly exposure and drainage,
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	N. 89°59' E., on random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the N. and S. line, 9 lks. S. of the cor. secs. 16, 17, 20 and 21.
	Thence
	S. 89°55' W., on true line bet. secs. 17 and 20.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
35.00	Draw, 15 ft. deep, drains N. 10° E.
40.02	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S17 S20 1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
61.30	Wash, 40 lks. wide, 4 ft. deep, drains N.
71.20	Spur, 15 ft. high, projects NE.
80.04	The cor. secs. 17, 18, 19 and 20.

Chains	
	Land, rolling, with a general northerly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°49' W., on random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
79.62	Intersect the W. bdy. of the township, 5 lks. N. of the cor. secs. 18 and 19.
	Thence
	N. 89°47' E., on true line bet. secs. 18 and 19.
	Ascend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
10.00	Road, bears NE. to Hanksville, Utah, and SW. to Granite Ranch.
29.20	Ridge, 20 ft. high, bears NE. and SW.
37.40	Wash, 1.50 chs. wide and 10 ft. deep, drains N. 30° E.
39.62	On gentle W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S18 / S19
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
46.90	Ridge, 30 ft. high, bears N. 30° E. and S. 30° W.
58.30	Draw, 15 ft. deep, drains N.
64.50	Spur, 15 ft. high, projects NE.
79.00	Beaver Wash, dry, 1.00 ch. wide, 6 ft. deep, drains NE.
79.62	The cor. secs. 17, 18, 19 and 20.
	Land, rolling, with a general northeasterly exposure and drainage.
	Soil, shallow red sandy loam, lying on red sandstone bed rock.

Chains	
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°03' W., bet. secs. 17 and 18.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
2.50	Center of Beaver Wash, dry, 1.50 chs. wide, 6 ft. deep, drains NE.
12.50	Ridge, 20 ft. high, bears NE. and SW.
21.30	Draw, 15 ft. deep, drains NE.
31.00	Spur, 15 ft. high, projects NE.
38.60	Wash, 65 lks. wide, 6 ft. deep, drains NE.
40.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼
S18 | S17
1921

	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
68.00	Ridge, 20 ft. high, bears NE. and SW.
80.00	On gentle NE. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 7, 8, 17 and 18, with brass cap marked.

T30S S7	R12E S8
S18	S17

1921

	Dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist.
	Land, rolling, with a general northeasterly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.

Chains	
	No timber.
	Fair grazing on all of mile.
	N. 89° 55' E., on random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line, 2 lks. N. of the cor. secs. 8, 9, 16 and 17.
	Thence
	S. 89°56' W., on true line bet. secs. 8 and 17.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
3.10	Center of Beaver Wash, dry, 3.00 chs. wide, 6 ft. deep, drains NE.
20.00	Ridge, 30 ft. high, bears N. 20° E. and S. 20° W.
38.00	Draw, 15 ft. deep, drains N. 10° E.
40.00	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	S8 / ¼ / S17
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
48.00	Spur, 15 ft. high, projects N. 20° E.
66.80	Wash, 80 lks. wide, 6 ft. deep, drains N. 30° E.
74.60	Ridge, 50 ft. high, bears N. and S.
80.00	The cor. secs. 7, 8, 17 and 18, 25 ft. below top of ridge.
	Land, rolling, with a general northeasterly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.

Chains	
	S. 89°47' W., on random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
72.55	Intersect the W. bdy. of the township, 3 lks. N. of the cor. secs. 7 and 18.
	Thence
	N. 89°46' E., on true line bet. secs. 7 and 18.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
4.20	Draw, 15 ft. deep, drains S. 80° E.
9.60	Ridge, 30 ft. high, bears N. 80° W. and S. 80° E.
18.40	Draw, 15 ft. deep, drains NE.
26.20	Spur, 20 ft. high, projects NE.
33.50	Draw, 20 ft. deep, drains N. 30° E.
39.55	On spur, 20 ft. high, projects NE.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S7 / S18
	1321
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
43.00	Wash, 40 lks. wide, 4 ft. deep, drains NE.
57.80	Road, bears N. 20° E. to Hanksville, Utah, and S. 20° W. to Granite Ranch.
64.40	Spur, 15 ft. high, projects NE.
72.70	Draw, 20 ft. deep, drains N. 30° W.
73.55	The cor. secs. 7, 8, 17 and 18.

Land, rolling, with a general northeasterly exposure and drainage,

Soil, shallow red sandy loam lying on red sandstone bed rock.

Undergrowth, scattering shadscale, sage, and black brush.

No timber.

Fair grazing on all of mile.

Chains	
	N. 0°03' W., bet. secs. 7 and 8.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
21.60	Draw, 30 ft. deep, drains NE.
40.00	On top of spur, 15 ft. high, projects NE.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S7 | S8 1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
61.70	Wash, 30 lks. wide, 6 ft. deep, drains E.
68.70	Spur, 20 ft. high, projects E.
79.60	Wash, 30 lks. wide, 5 ft. deep, drains S. 80° E.
80.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 5, 6, 7, and 8, with brass cap marked.
	T30S | R12E S6 | S5 S7 | S8 1921.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling, with a general easterly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	N. 89°56' E., on random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect the N. and S. line, 5 lks. S. of the cor. secs. 4, 5, 8 and 9.
	Thence

Chains	
	S. 89°54' W., on true line bet. secs. 5 and 8.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
12.80	Wash, 60 lks. wide, 6 ft. deep, drains N. 20° E.
28.00	Ridge, 40 ft. high, bears N. 20° E. and S. 20° W.
38.30	Draw, 20 ft. deep, drains N. 20° E.
40.01	On gentle E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S5 / S8
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
42.00	Spur, 15 ft. high, projects N. 20° E.
66.00	Draw, 15 ft. deep, drains N. 80° E.
80.02	The cor. secs. 5, 6, 7 and 8.
	Land, rolling, with a general northerly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	S. 89°46' 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, 5 lks. S. of the cor. secs. 6 and 7.
	Thence
	N. 89°48' E., on true line bet. secs. 6 and 7.
	Descend gradually over rolling land through scattering undergrowth of shadscale, sage, and black brush.
10.80	Draw, 20 ft. deep, drains S. 80° E.
17.50	Spur, 20 ft. high, projects S. 80° E.
39.48	On S. bank of wash, bears S. 75° E. and N. 75° W.

Chains	
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S6/S7
	1921
	Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.
40.30	Wash, 20 lks. wide, 4 ft. deep, drains S. 75° E.
57.50	Spur, 30 ft. high, projects E.
66.60	Road, bears N. 20° W. to Hanksville, Utah, and S. 20° E. to Granite Ranch.
68.70	Wash, 20 lks. wide, 4 ft. deep, drains SE.
74.80	Spur, 15 ft. high, projects SE.
79.00	Draw, 20 ft. deep, drains S. 80° E.
79.48	The cor. secs. 5, 6, 7 and 8.
	Land, rolling, with a general easterly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.
	N. 0°05' E., on random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
62.47	Intersect the N. bdy. of the township, 5 lks. E. of the cor. secs. 5, 6, 31 and 32.
	Thence
	S. 0°02' W., on true line bet. secs. 5 and 6.
	Descend abruptly over rolling land through scattering undergrowth of shadscale, sage, and black brush.
1.50	Base of abrupt descent, 50 ft. below cor., bears NE. and SW.; thence over rolling land.
22.30	Wash, 20 lks. wide, 4 ft. deep, drains, E.
22.47	On S. bank of wash, bears E. and W.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

Chains	
	¼
	S6 | S5
	1921
	Dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
35.20	Wash, 30 lks. wide, 4 ft. deep, drains N. 80° E.
43.20	Spur, 20 ft. high, projects E.
47.50	Draw, 15 ft. deep, drains E.
60.00	Spur, 20 ft. high, projects E.
62.47	The cor. secs. 5, 6, 7 and 8.
	Land, rolling, with a general easterly exposure and drainage.
	Soil, shallow red sandy loam lying on red sandstone bed rock.
	Undergrowth, scattering shadscale, sage, and black brush.
	No timber.
	Fair grazing on all of mile.

Latitudes, departures, and closing errors.

Lines designated		True bearing	Distances. chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
6th St. through	Par. South R. 12 E.	East	480.00	.....	.....	480.00	.....
E. bdy.	T30S R12E	North	462.85	462.85	.....	.....	.....
N. bdy.	T30S R12E	West	479.45	.....	.....	.....	479.45
W. bdy.	T30S R12E	South	462.65	.....	462.65	.....	.....
Convergency							.57
				462.85	462.65	480.00	480.02
				462.65			480.00
Errors in lat. and dept.				0.20			0.02

General description of T. 30 S., R. 12 E.

The land embraced in this township, consists of rolling, sandy, benches, broken by low, sandy ridges and spurs, from 15 feet to 50 feet in height. The township in general, has a northeasterly exposure and drainage, and is drained by Beaver Wash and its tributaries. Beaver Wash is the largest water source in the township and is about 60 lks. wide and 6 ft. deep. It enters the township on the west

boundary of sec. 19, and drains in a northeasterly direction, leaving the township on the north boundary of sec. 4.

The only permanent water in the township, is a small seep of alkali water in the bottom of Beaver Wash, located in the NE. ¼ of the NW. ¼ sec. 4. This water is unfit for stock purposes.

An undergrowth of scattering shadscale, sage, and black brush is found throughout the township. The east portion is also covered with a scattering growth of scrub oak brush, which is about two feet high.

The only timber is a few scattering scrub cedar and pinon in the SW. ¼ sec. 31.

The only road in the township is the road from Hanksville, Utah, to Granite Ranch, which enters the township on the N. boundary sec. 6, and runs in a southerly direction, leaving it on the W. boundary sec. 19.

The township is used by the public for a winter and summer range for stock, and is covered with a good growth of bunch grass which makes it exceedingly good for this purpose.

The only improvements were 566 rods of net wire fencing, located near the north and east boundaries of sec. 30; which is owned by Cornelius Ekker, who lives at his ranch located in the SW. ¼ sec. 26, T. 30 S., R. 11 E.

No settlers or indications of mineral were found on the township.

The magnetic declination was not taken on account of a defective needle.

Elliott L. Bird

U.S. Surveyor.

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BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Verdin John	1st Chainman
Joe Wilks	2nd Chainman
Adrian Cracraft	Flagman
Othell Bird	Cornerman

6—2704

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Elliot Bird, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 3rd day of February, 1917, 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 Resurvey of a portion of the West boundary or Henry Mountain Guide Meridian; Survey of the sixth standard parallel south, Rs. 12 and 13 E., and survey of the north and east boundaries and subdivision of T. 30 S., R. 12 E.

of the Salt Lake Base and Meridian, in the State of Utah which are represented in the foregoing field notes, as having been executed by me, and under my direction, 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.

and date diagram on dates shown on date diagram

Salt Lake City, Utah.
January 20, 1921.

Elliot Bird
U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Apr. 28, 1922.

The foregoing field notes of the ~~survey~~ resurvey of a portion of the West boundary or Henry Mountain Guide Meridian; survey of the Sixth Standard Parallel South, Rs. 12 and 13 E.; and survey of the north and east boundaries and the subdivisional lines of Township No. 30 South, Range No. 12 East of the Salt Lake Base and Meridian, Utah,

executed by Elliot Bird

under ~~his~~ special instructions dated February 3, 1917, having been critically examined, and the necessary corrections and explanations made, the ~~said field~~ notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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

U. S. Surveyor General.

6—761

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4—679

BOOK A-451 B.

U. S. Surveyor General's Office
MAY 1919
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE SURVEY OF THE

SOUTH BOUNDARY OF

T. 37 S., R. 21 E.

Of the Salt Lake Base and *Meridian,*

In the State of UTAH

EXECUTED BY

ANDREW NELSON, U. S. SURVEYOR.

AND

CHAUNCEY J. TERRY, U.S. TRAMSITMAN

In the capacity of U. S. Surveyors, under Special Instructions dated May 9, *1918, issued by the United States Surveyor General to govern surveys included in Group No.* 69, *which were approved by the Commissioner of the General Land Office,* June 11, *1918, and Assignment Instructions dated* May 10, *1919*

Survey commenced June 14, *1919*

Survey completed June 17, *1919*

BOOK A-451

INDEX DIAGRAM.

SOUTH BOUNDARY OF

Township 37 South, *Range* 21 East

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 9	32 7	33 6	34 5	35 3	36 2

BOOK A-451

4—679 b

INDEX DIAGRAM.

Township 31 S, Range 21 E

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
101	99	98	97	95	94

4—4817

DATE DIAGRAM OF

S. bdy. T. 37 S., R. 21 E.

31	32	33	34	35	36
6-17/19	6-16/19	6-16/19	6-14/19	6-14/19	6-14/19
	6-16/19	6-16/19	6-14/19	6-14/19	6-14/19
6	5	4	3	2	1

All lines colored and dated with red and black ink were surveyed jointly by Andrew Nelson, U.S. Surveyor and Chauncey J. Terry, U.S. Transitman.

All lines colored and dated with red ink were surveyed by Chauncey J. Terry, U.S. Transitman.

Survey commenced June 14, 1919, and executed with a Young & Sons light mountain transit No. 8520, equipt with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle.

The instrument was approved for use in this survey by the Assistant Supervisor of Surveys for Utah, conditional upon satisfactory field tests. I examine the adjustments of the transit and correct all arrors.

I begin at the corner of townships 37 and 38 south, ranges 21 and 22 east, in approximate latitude 37°33'N., longitude 109° 37'W., which is a sandstone, 22x15x5 ins. above ground, firmly set, properly marked and witnessed as described by the surveyor general. June 14: At 2h 08.4m a.m., l.m.t., I observe Polaris at eastern elongation, making four observations, two each 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 10 chs. N.

Azimuth of Polaris at eastern elongation = 1°25'22".

At 2h 30m a.m., I lay off the azimuth of Polaris, 1° 25¾' to the west, and mark the meridian thus determined, by a tack in a peg driven firmly in the ground, about 10 chs. N.

I lay off from the meridian, an angle of 90°, from north to west, and run

West on the tangent, along S. bdy. of T. 37 S., R. 21 E., bet. secs. 1 and 36.

Over rolling mountainous land on W. side of Cottonwood Canyon, bottom of which is E. about ¼ mile, through medium dense short, scrubby cedar and pinon and scattered sagebrush; ascending general E. and SE. slopes over small broken sandstone rim ledges and boulders.

7.50 Thence more gradual ascent, bears NE. and S.

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

By 1st set, 40.01 chs.

By 2nd set, 39.99 chs.; the mean of which is

40.00 N. ½ lk. from the tangent,

Set an iron post, 3 ft. long, 1 in. dia., 2 ins. in ground to bedrock, and in a large mound of stone, 5 ft. base, for ¼ sec. cor., with brass cap marked

$$\frac{S36}{S1}$$
1919

from which

A cedar, 8 ins.diam., bears N.46½°E., 57 lks. dist., marked ¼ S 36 BT

A cedar, 12 ins.diam., bears S.34½°W., 70 lks. dist., marked ¼ S1 BT

Cor. stands on gentle E. slope, 185 ft. above tp. cor.

42.50 Begin more abrupt ascent over large boulders and rim rock, bearing NE. and SW.

45.75 Top of 25 ft. rim ledge and rim of Cottonwood Canyon, 525 ft. above ¼ cor., bears NE., and SW. for 10 chs. thence to SE.; thence over gently rolling mesa or bench

Chains

land, with slight SE. slope, continue through scrub timber and scattered sandrock.

Difference between measurements of 80.00 chs., by two sets of chainmen, is 1 lk.; position of middle point

By 1st set, 80.00½ chs.

By 2nd set, 79.99½ chs.; the mean of which is

80.00 N. 1 link from the tangent; 25 ft. above rim.

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

T37S	R21E
S35	S36
S2	S1

T38S
1919

from which

A cedar, 8 ins.diam., bears N.58°E., 75 lks. dist., marked T37S R21E S36 BT
A cedar, 7 ins.diam., bears S.60¾°E., 197 lks. dist., marked T38S R21E S1 BT
A cedar, 10 ins.diam., bears S.34½°W., 194 lks. dist., marked T38S R21E S2 BT
A cedar, 12 ins.diam., bears N.43¾°W., 61 lks. dist., marked T37S R21E S35 BT

E. 65¾ chs. is general E. and SE. gradual slopes, lying on W. on W. side of Cottonwood Canyon; remainder of mile is gently rolling mesa or bench land, having a slight SE. exposure; drainage on mile to E.

Soil, light, shallow, reddish sandy loam, some clay, and scattered sandstone bedrock, boulders and ledges.

Timber, medium dense short, scrubby cedar and pinon, on mile.

Undergrowth, scattered black sagebrush, becoming heavier near W. end of mile, 2 to 3 ft. high. Very little grass. Poor grazing land.

S. 89°59' W., on tangent, bet. secs. 2 and 35.

Over gently rolling mesa land, slight slope to S., through medium dense cedar and pinon, and sagebrush.

No difference between measurements of 40.00 chs., by two sets of chainmen.

Chains

40.00 N. 2 links from the tangent; 50 ft. above sec. cor.

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

¼ S35 / S2

1919

from which

A cedar, 8 ins.diam.,bears N.60¼°E., 106 lks. dist.,marked ¼ S35 BT
A cedar, 10 ins.diam.,bears S.9¼°E., 45 lks. dist.,marked ¼ S2 BT

43.00 Leave all but few scattered trees, enter heavier sagebrush, 3 to 4 ft. high, bearing N. and S.

Difference of measurements of 80.00 chs., by two sets of chainmen is 2 lks.; position of middle point

By 1st set, 79.99 chs.

By 2nd set, 80.01 chs.; the mean of which is

80.00 N. from the tangent 3 links

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

T37S	R21E
S34	S35
S3	S2

T38S

1919

from which

A cedar, 12 ins.diam.,bears N.50½°W., 219 lks. dist.,marked T37S R21E S34 BT

and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. No trees within limits in remaining secs.

Cor. stands on a slight NE. slope, 75 ft. above ¼ cor.

Land, gently rolling mesa having a slight exposure and drainage to E. and SE.

Soil, deep, rich, fine, red sandy loam, some clay, and scattered sandstone bedrock on E. ½ mile.

Timber, medium dense scrub cedar and pinon, on E. 43 chs.

Undergrowth, dense sagebrush, 3 to 4 ft. high; very little grass. Fair grazing land.

Chains	
	S. 89°58' W. on tangent, bet. secs. 3 and 34.
	Over gently rolling mesa land, facing to E., through dense sagebrush, 3 to 4 ft. high; scattered timber to N. of line; gently ascending.
32.00	Enter scattered timber, bears NE. and S.; thence over more of a SE. slope.
	No difference of measurements of 40.00 chs., by two sets of chainmen
40.00	N. 5 links from the tangent; on a S. slope, 125 ft. above sec. cor. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S34 / S3 1919 from which A cedar, 6 ins. diam., bears N.29¼°E., 105 lks. dist., marked ¼ S34 BT A cedar, 10 ins. diam., bears S.43¼°E., 127 lks. dist.; marked ¼ S3 BT
55.00	Enter broken and rocky land, bears N.20°E. and S.
56.35	Top of rocky knoll, 20 ft. high, on line, enter heavier timber, bearing N. and S.
57.80	Wash, 15 lks. wide, 3 ft. deep, course SE.; thence over slight E. and NE. slopes.
	Difference between measurements of 80.00 chs., by two sets of chainmen; is 2 lks.; position of middle point By 1st set, 79.99 chs. By 2nd set, 80.01 chs; the mean of which is
80.00	N. 7 lks. from the tangent; 135 ft. above ¼ cor. Set an iron post, 3 ft. long, 2 ins. dia., 2 ins. in ground to bedrock and in a large mound of stone, for cor. of secs. 3-4-33 and 34, with brass cap marked T37S | R21E S33 | S34 S4 | S3 T38S 1919 from which

Chains

A cedar, 12 ins.diam.,bears N.22½°E., 61 lks. dist.,marked T37S R21E S34 BT
A cedar, 8 ins.diam.,bears S.14¾°E., 38 lks. dist.,marked T38S R21E S3 BT
A cedar, 10 ins.diam.,bears S.17¾°W., 38 lks. dist.,marked T38S R21E S4 BT
A pinon, 12 ins.diam.,bears N.33¾°W., 51 lks. dist.,marked T37S R21E S33 BT

E. 55 chs. gently rolling land; remainder low broken; drainage on mile to E.

Soil, deep sandy loam on eastern portion, rocky with sandy loam and gravel on W. portion; sandstone formation.

Timber, scattered to medium dense cedar and pinon on W. 48 chs.

Undergrowth, dense sagebrush. Very little grass.

Fair grazing land.

S. 89°57' W. on tangent, bet. secs. 4 and 33.

Over mountainous land, facing to E., through medium dense cedar and pinon; scattered sagebrush; gradually ascending E. slope, 110 ft. to

19.50 Top of ridge and 30 ft. rim ledge, forming E. rim of Butler Canyon, bears N. and S.; desc. abruptly W. slope over boulders, through scattered timber, 310 ft. to

Difference of measurements at 40.00 chs., by two sets of chainmen is 14 lks.; position of middle point

By 1st set, 40.07 chs.

By 2nd set, 39.93 chs.; the mean off which is

40.00 N. 9½ links from the tangent

Set an iron post, 3 ft. long, 1 in. dia., on solid rock, 26 ins. in a large mound of stone, for the ¼ sec. cor. with brass cap marked

$$\frac{S33}{S4}$$

1919

from which

A pinon, 6 ins.diam.,bears S.21°W., 59 lks. dist.,marked ¼ S4 BT
A pinon, 7 ins.diam.,bears N.48¾°W., 43 lks. dist.,marked ¼ S33 BT

Chains

Continue descent over W. and SW. slopes, 490 ft. to.

Difference between measurements of 80.00 chs., by two sets of chainmen is 12 lks.; position of middle point

By 1st set, 80.06 chs.

By 2nd set, 79.94 chs.; the mean of which is N. 13 links from the tangent

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in ground to solid rock, and in a large mound of stone, for cor. of secs. 4-5-32 and 33, with brass cap marked

T37S	R21E
S32	S33
S5	S4

T38S
1919

from which

A pinon, 8 ins.diam., bears N. 33°E., 107 lks. dist., marked T37S R21E S33 BT
A cedar, 5 ins.diam., bears S.73¾°E., 47 lks. dist., marked T38S R21E S4 BT
A pinon, 5 ins.diam., bears S.50½°W., 24 lks. dist., marked T38S R21E S5 BT
A cedar, 10 ins.diam., bears N.71¼°W., 115 lks. dist., marked T37S R21E S32 BT

Land, mountainous; E. 19½ chs. having an E. slope and drainage towards Cottonwood Canyon; remainder of mile W. and SW. slopes, drainage W. into Butler Canyon.

Soil, rocky of sandstone formation, boulders and broken rim ledges, mixed with fine sandy and clay loams.

Timber, medium dense to scattered scrub cedar and pinon.

Undergrowth, scattered black sagebrush.

Poor grazing land.

S. 89°57' W. on tangent, bet. secs. 5 and 32.

Over rolling land, facing W., through scattered timber and dense sagebrush; gradually descending along canyon bottom.

37.65 Wash, 2 chs. wide, 40 ft. deep, in Butler Canyon, 75 ft. below sec. cor., S.; wash is dry here. A very small seep was found to the N. about ½ mile.

No difference between measurements of 40.00 chs., by two sets of chainmen.

South Boundary of T.37 S., R.21 E.

Chains	
40.00	N. from the tangent 16 links.
	True point for ¼ sec. cor. falls on steep W. slope of the wash, where cor. cannot be perpetuated. No cor set here.
42.00	N. 16 links from the tangent
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor., with brass cap marked
	¼ S32 / S5 WC 1919
	dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
	No trees within limits.
	Thence over nearly level land, slight ascent.
50.55	Wash, 20 lks. wide, 8 ft. deep, course S.
57.00	Leave bottom land, enter mountainous and rocky land, and heavier timber, bearing N. and S.; asc. E. slope.
79.15	Dim old road, bears NE. and S.70°W.; goes down Butler wash.
	No difference between measurements of 80.00 chs., by two sets of chainmen.
80.00	N. 20 links from the tangent; 200 ft. above canyon bottom
	Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in ground to solid rock, and in a large mound of stone, for cor. of secs. 5-6-31 and 32, with brass cap marked
	T37S | R21E S31 | S32 S6 | S5 T38S 1919
	from which
	A pinon, 6 ins.diam., bears N.21¼°E., 31 lks. dist., marked T37S R21E S32 BT
	A pinon, 10 ins.diam., bears S.81¾°E., 51 lks. dist., marked T38S R21E S5 BT
	A pinon, 8 ins.diam., bears S.22°W., 52 lks. dist., marked T38S R21E S6 BT
	A cedar, 6 ins.diam., bears N.26½°W., 51 lks. dist., marked T37S R21E S31 BT
	E. 57 chs. gently rolling land lying in Butler Canyon, which drains S.; soil, deep, fine, dry sandy loam; covered with dense sagebrush, 3 to 5 ft. high:

Chains

remainderof mile is E. slope, nearly solid sandstone bedrock, with loose, shallow sand; medium dense scrub cedar and pinon timber, and scant undergrowth of sagebrush. Grazing land on E. 57 chs.

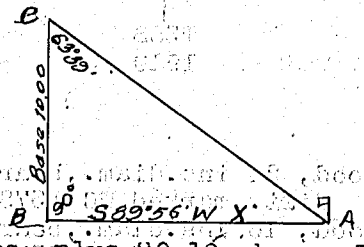
S. 89°56' W. on tangent, bet. secs. 6 and 31.

Over mountainous land, facing E., through medium dense timber; scant undergrowth; asc. over nearly solid white sandstone bedrock.

4.40 Dim old road, bears NW. and S.70°E.

33.36 Top of ridge or reef on "The Comb", 255 ft. above sec. cor.; this is divide between Comb Wash and Butler Canyon, bears N.10°W. and S.; the reef breaks off abruptly to the W. in series of vertical red sandstone ledges, over which it is impossible to chain, therefore I triangulate as follows:

I erect flag "A" at this point, then set flag "B" on line S.89°56'W. near base of abrupt descent. As there is no suitable place for base at this point, proceed to flag "B", where, with telescope directed at flag "A" turn angle of 90° towards the N. and measure base line, 10.00 chs. dist. to point whence "A" subtends angle of 63°39'.



33.26 chs. plus 20.19 chs. = 53.45 chs. to point of triangulation. Thence by return measurement of 13.45 chs.

40.00 N. 24 links from the tangent

Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to underlying rock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked

$\frac{1}{4}$ $\frac{S31}{S6}$ 1919

from which

Chains	
	A cedar, 5 ins.diam.,bears S.15½°E., 54 lks. dist.,marked ¼ S6 BT A cedar, 4 ins.diam.,bears N.51°W., 77 lks. dist.,marked ¼ S31 BT
	Cor. stands on steep W. slope, 350 ft. below the top of reef. Base of the ledges bears E. about 4 chs. dist.
54.00	Base of the abrupt descent, 600 ft. below top, bears N. and S.; continue gradual descent W. slope, valley land, through sagebrush.
64.00	Enter scattered cottonwood trees, bears N. and S.
77.00	Comb Wash, 3 chs. wide, 6 ft. deep, sloping banks, 710 ft. below reef, small seep, 2 lks. wide, 3 ins. deep, good water in same, course S.
78.33	N. 28 links from the tangent True point for tp. cor. falls in W. edge of the wash and subject to floods, where cor. cannot be perpetuated. No cor. set here. No difference bet. measurements of 81.20 chs., by two sets of chainmen.
81.20	N. 28 lks. from the tangent Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in ground, for W.C. of Ts. 37 and 38 S., Rs. 20 and 21 E. with brass cap marked

T37S
R20E | R21E
S36 | S31
S1 | S6 WC
T38S
1919

from which

A cottonwood, 24 ins.diam.,bears N.48½°E., 115 lks. dist.,marked WC T37S R20E S36 BT
A cottonwood, 16 ins.diam.,bears S.32½°E., 100 lks. dist.,marked WC T38S R20E S1 BT
A cottonwood, 12ins.diam.,bears S.70°W., 503 lks. dist.,marked T38S R20E S1 BT WC
A cottonwood, 12 ins.diam.,bears N.23½°W., 197 lks. dist.,marked T37S R20E S36 WC BT

E. 33.26 chs. is E. slope, draining E. into Butler Canyon; soil, mostly white sandstone bedrock with covering of loose sand; covered with medium dense scrub timber of cedar and pinon; very scattered sagebrush; next 20.74 chs. is abrupt W. face of reef known as "The Comb" about 500 ft. high of red sandstone ledges and boulders; few scattered trees; remainder of mile is gentle W. slope,

Chains

lying along Comb Wash, which drains S.; deep sandy loam soil, covered with considerable sagebrush. Cottonwood trees extend along the wash.

All measurements on this line were made with steel ribbon tapes five chains in length, together with clinometers for determining the slope angles, and only the true horizontal distances appear in these notes.

General Description.

This line runs over gently rolling bench or mesa lands and slopes of canyons. The country on the whole has a southern exposure and drainage. Is covered with a fair growth of short, scrubby cedar and pinon pine timber, and considerable sagebrush.

The land on both sides of the line is principally broken benches, becoming rough mountainous several miles to the N.

The land is only valuable for grazing purposes.

Feb. 5, 1921
Salt Lake City, Ut.

Andrew Nelson
U.S. Surveyor

Pinedale, Wyo., Mar. 31, 1921. Chauncey J. Terry
U.S. Transitman

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Page

BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Frank Romney	Head- Chainman
Rex Roberts	Head- Chainman
Philip Roberts	Rear- Chainman
Elden Prouse	Rear- Chainman
Paul Peterson	Flagman
Dale Shafer	Flagman
John K. Davis	Axman
Joan Rogerson	Cornerman

6—2764

CERTIFICATE OF UNITED STATES SURVEYOR.

~~I~~ We, Andrew Nelson and Chauncey J. Terry, U.S.Transitman, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 9th day of May, 1918, ~~I~~ We have well, faithfully, and truly in ~~my~~ our own proper persons and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of South Boundary of T. 37 S., R. 21 E. 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 diag and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Salt Lake City, Utah
Feb. 5, 1921. Andrew Nelson
U. S. Surveyor.

Pinedale, Wyo., Mar. 31, 1921. Chauncey J. Terry
U.S.Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, July 28, 1921

The foregoing field notes of the survey of the south boundary of Township No. 37 South, Range No. 21 East of the Salt Lake Base and Meridian, Utah;

executed by Andrew Nelson and Chauncey J. Terry under ~~his~~ their special instructions dated May 9, 1918, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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

_____
U. S. Surveyor General.

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4—679

BOOK A-451 C.

U.S. Surveyor General's Office
MAR 28 1921
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE SURVEY OF THE

NORTH, SOUTH, EAST and WEST BOUNDARIES

AND PORTIONS OF THE SUBDIVISION OF

T. 37 S., R. 20 E.

Of the Salt Lake Base and *Meridian,*

In the State of UTAH

EXECUTED BY

ANDREW NELSON, U.S. SURVEYOR,

AND

CHAUNCEY J. TERRY, U.S.TRANSITMAN

In the capacity of U. S. Surveyor s., under Special Instructions dated May 9, *1918, issued by the United States Surveyor General to govern surveys included in Group No.* 69, *which were approved by the Commissioner of the General Land Office,* June 11, *1918, and Assignment Instructions dated* May 10, *1919*

Survey commenced June 17, *1919*

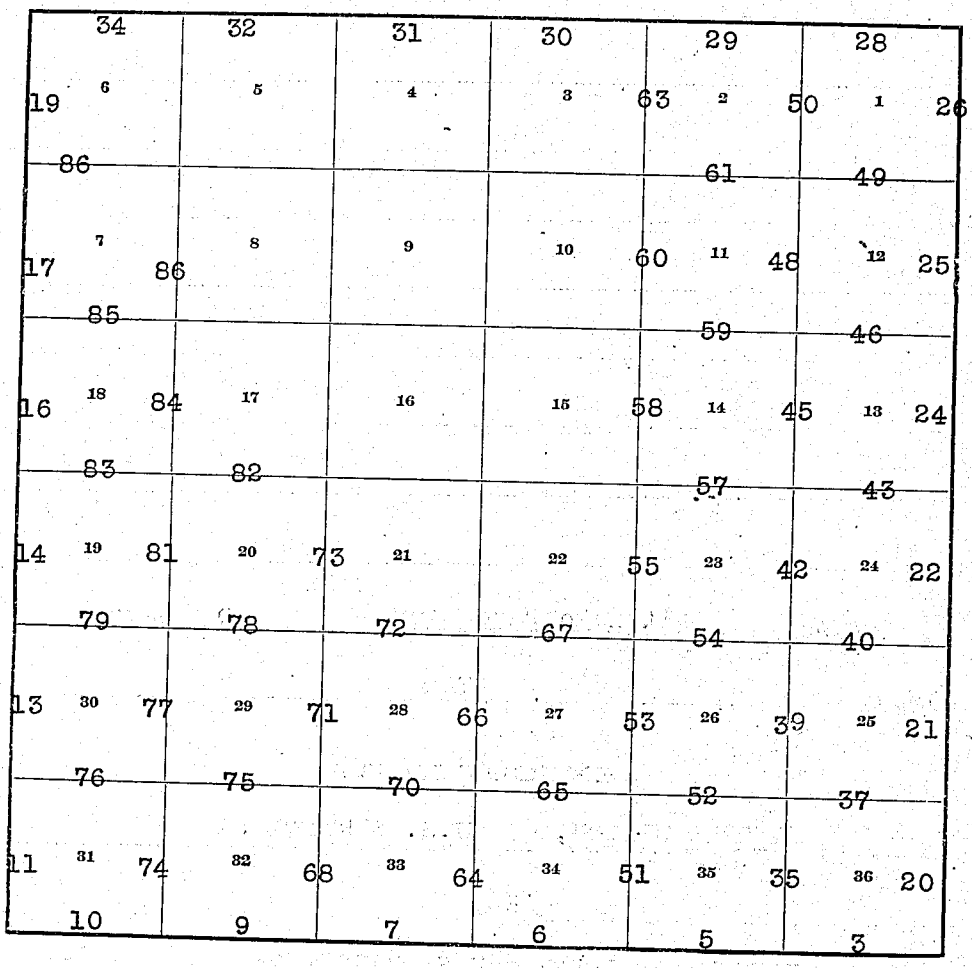
Survey completed July 14, *1919*

6—151

BOOK A-451

INDEX DIAGRAM.

Township 37 South, *Range* 20 East



BOOK A-451

4—679 b

INDEX DIAGRAM.

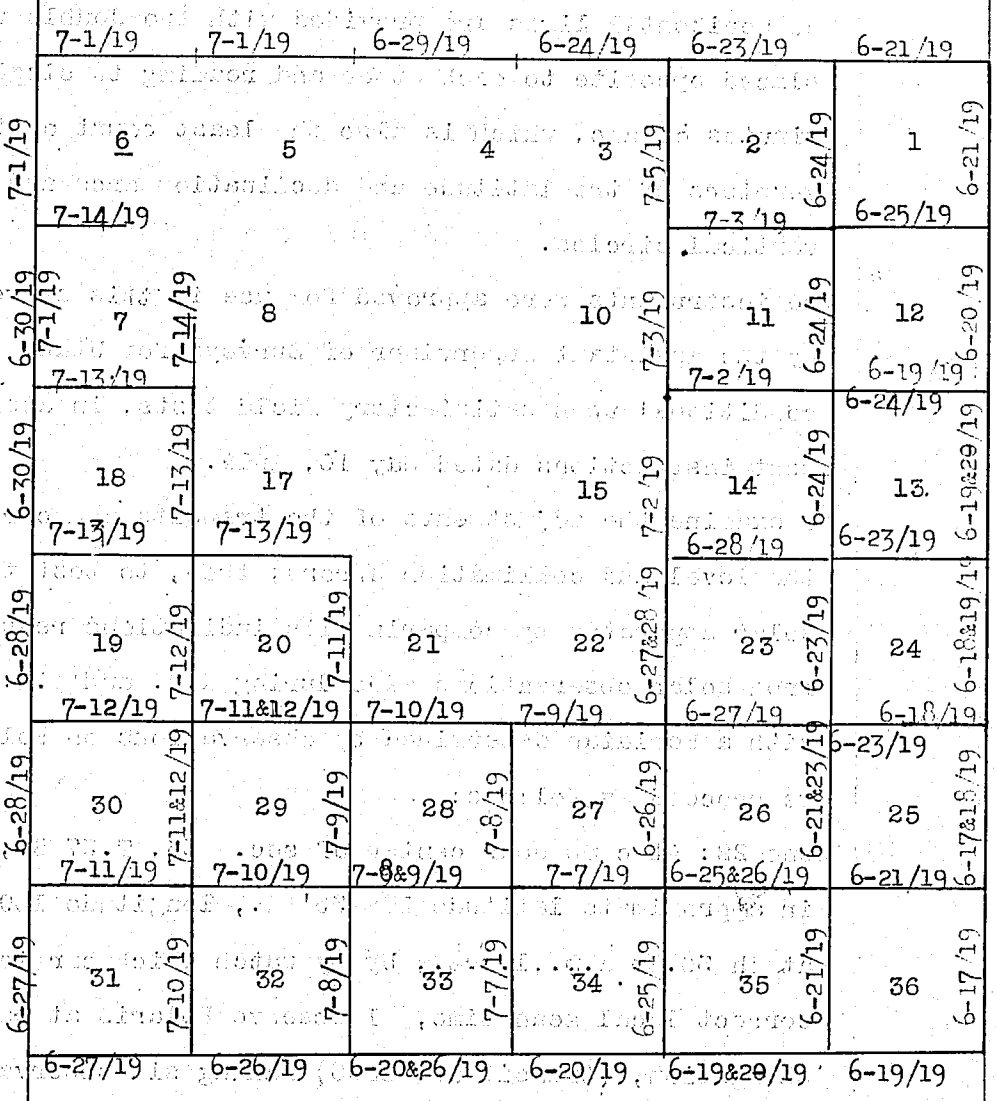
Township 37 S, Range 20 E

143	142	141	140	139	138
129 6	5	4	3	173 2	160 1 136
196				171	159
127 7 196	8	9	10	170 11	158 12 135
195				169	156
126 18 194	17	16	15	168 14	155 13 134
193	192			167	153
124 19 191	20 183	21	22	165 23	152 24 132
189	188	182	179	164	150
123 30 187	29 181	28 176	27	163 26	149 25 131
186	185	180	175	162	147
121 31 184	32 178	33 174	34	161 35	145 36 130
120	119	117	116	115	113

6—4817

T. 37 S., R. 20 E.

DATE DIAGRAM OF T. 37 S., R. 20 E.



All lines colored and dated with black ink were surveyed by Andrew Nelson, U.S. Surveyor.

All lines colored and dated with red ink were surveyed by Chauncey J. Terry, U.S. Transitman.

Survey commenced June 17, 1919, and executed with Young & Sons light mountain transits Nos. 8520 (used by Nelson) and 8496 (used by Terry), each equipt with Smith solar attachment and full vertical circle.

The horizontal limbs are provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and the vertical circles.

The instruments were approved for use in this survey by the Assistant Supervisor of Surveys for Utah, conditional upon satisfactory field tests, in assignment instructions dated May 10, 1919.

We examine the adjustments of the transits and correct the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris we proceed as follows:

June 22: At camp near center of sec. 36, T.37 S.,R.20 E., in approximate latitude 37° 33' N., longitude 109° 43'W., at 1h 36.8m a.m.,l.m.t., by my watch which carries correct local mean time, I observe Polaris at eastern elongation, (transit No. 8520) making six observations, three each 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 10 chs. N.

Azimuth of Polaris at eastern elongation = 1° 25' 22".

At 6h a.m., I lay off the azimuth of Polaris, 1°25¼' to the west, and mark the meridian thus determined, by a nail driven firmly in the ground, about 10 chs. N.

At 9h 0m a.m., app.t., we set off 37° 33½'N. on the lat. arcs. and 23° 27' N. on the decl. arcs; and determine meridians with both instruments; the solar line determined with transit No. 8520 reads 30" to east

of the true meridian; and that of No. 8496 agrees with the true meridian.

At apparent noon with the lat. arcs unchanged, we observe the sun on the meridian; the resulting reading of the decl. arcs is 23°27' N. which agrees with the computed declination of the sun.

At 3h 30m p.m., app.t., with the lat. arcs unchanged, we set off 23°27' N. on the decl. arcs; and determine meridians with both solars; both solar lines agrees with the true meridian.

As all of the solar observations during the usual working hours come within 1' of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

The instruments were kept in good adjustment during the progress of this survey, frequent tests being made on the above Polaris meridian. I also observed Polaris at eastern elongation, on line near the SW. cor of the tp., June 19th.

Measurements.

Unless otherwise specified all measurements are made with Lallie steel ribbon tapes 5 and 8 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 with Clinometers, and the slope measurements properly reduced to true horizontal distances.

Survey of South Boundary T.37 S.,R.20 E.

From the witness cor. to the cor. of Ts. 37 and 38 S., Rs. 20 and 21 E., which is W. 2.87 chs. from the true cor. point in edge of Comb Wash, course S., counting distance from true point.

West, on S. bdy. of tp., bet. secs. 1 and 36.

Gradually asc. over rolling bottom land on W. side of Comb Wash, through scattered cottonwoods and dense

Chains

tall sagebrush, and scattered cedar and pinon.

9.37 Wire fence (pasture) bears N.70°E. and S.70°W.; leave cottonwoods, bears N. and S.

17.00 Enter white sandstone bedrock, bears N. and S.

21.50 N. of line about 1½ chs. dist. remains of old circular Cliffdwellers ruins, 50 lks. dia., remaining walls, 6 ft. high.

22.00 Leave bottom lands, enter mountainous land, rough surface of nearly solid sandstone bedrock; asc. E. slope, bears N. and S.

40.00 On E. slope ina depression on bedrock, 320 ft. above tp. cor.

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

$$\frac{1}{4}\cdot\frac{S36}{S1}$$

1919

from which

A cedar, 36 ins.diam.,bears N.49½°E., 30 lks. dist.,marked ¼ S36 BT
A pinon, 24 ins.diam.,bears S.22°E., 10 lks. dist.,marked ¼ S1 BT

75.03 Top of ascent and E. rim of deep canyon, 565 ft. above tp. cor., bears N.20°W. and S.10°W.; walls of canyon are broken ledges 20 to 50 ft. high and barren sandrock. As the true point for sec. cor. falls on W. face of ledges where cor. cannot be set, therefore at this point

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, on bedrock, for witness cor. to the cor. of secs. 1-2-35 and 36, with brass cap marked

	T37S	R20E
WC	S35	S36
	S2	S1

T38S
1919

from which

A pinon, 10 ins.diam.,bears N.52¼°E., 118 lks. dist.,marked WC T37S R20E S36 BT
A cedar, 6 ins.diam.,bears S.86°E., 115 lks. dist.,marked WC T38S R20E S1 BT

No other trees within limits.

Chains	
	Descend abruptly W. and SW. slopes, over ledges and barren rock slopes, 240 ft. to
80.00	True point for sec. cor., falls on abrupt ledgy W. face of canyon where cor. cannot be set. No cor. set here. E. 22 chs. in rolling E. exposure, bottom land, lying along Comb Wash, which drains S., covered with dense high sagebrush, scattered cottonwoods, cedar and pinon; soil, deep, rich sandy loam, some sandrock along W. edge: next 53 chs. is medium steep E. slope, mountainous land, rough surface mostly barren white sandstone bedrock, with some loose sand; covered with a scattered growth of very short scrubby cedar and pinon timber, no undergrowth; last 5 chs. is abrupt slope of canyon to S. of line, draining S.
	West, bet. secs. 2 and 35, from true cor. point. Over mountainous land, through scattered cedar and pinon; along SW. and S. face of canyon over ledges,; descending
15.75	Bottom of canyon, dry, 50 lks. wide, 45 ft. below true cor. point, course S.60°E. for 6 chs., thence to S.; abrupt ascent over NE. slope, ledges and boulders.
25.70	Right canyon rim, a 50 ft. vertical ledge, 345 ft. above bottom, bears N.70°W., and S.70°E.; thence over rolling mesa top, through medium dense timber, scattered bedrock.
34.35	Draw, 30 ft. deep, course N. for 1½ chs. to canyon, course E.
40.00	On a gentle N. slope, 50 lks. S. of canyon rim, bearing N.80°E. and W.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for the ¼ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S35}{S2}$ 1919
	from which

Chains	
	A pinon, 8 ins.diam.,bears N.60°W.,120 lks. dist.,marked ¼ S35 BT A pinon, 4 ins.diam.,bears S.79°E., 29 lks. dist.,marked ¼ S2 BT
	Gently ascend E. slope.
78.00	Top of ascent, 150 ft. above ¼ cor., bears N. and SE.
	Thence over land facing to S. and SW.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, on bedrock, for cor. secs. 2-3-34 and 35, with brass cap marked

T37S	R20E
S34	S35
S3	S2

T38S
1919

from which

A pinon, 10 ins.diam.,bears N.75°E., 30 lks. dist.,marked T37S R20E S35 BT
A pinon, 8 ins.diam.,bears S. 6 °E.,100 lks. dist.,marked T38S R20E S2 BT
A cedar, 8 ins.diam.,bears S.36°W., 135 lks. dist.,marked T38S R20E S3 BT
A pinon, 5 ins.diam.,bears N.76½°W., 84 lks. dist.,marked T37S R20E S34 BT

Land, E. 25.70 chs. steep, rocky & ledgy slopes of canyon, which drains to SE.; remaider of mile, rolling mesa, slight slope to E. and SW.

Soil, mostly white sandstone bedrock, with covering of loose, dry sand and sandy loam.

Timber, scattered to medium dense scrub cedar and pinon, on mile.

Undergrowth, very scattered sagebrush.

West, bet. secs. 3 and 34.

Over gently rolling mesa land, facing to S. and SE., through medium dense scrub cedar and pinon; gradually asc. 100 ft. to

29.00	Top of ascent, bears NW. and SE.; gently desc. S. and SW. slopes, 20 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor. with brass cap marked

Chains	
	$\frac{1}{4}$ S34 / S3
	1919
	from which
	A pinon, 6 ins.diam., bears N.60°E., 61 lks. dist., marked $\frac{1}{4}$ S34 BT
	A cedar, 6 ins.diam., bears S.29°W., 40 lks. dist., marked $\frac{1}{4}$ S3 BT
66.15	Ravine, 65 ft. deep, course S.; slight ascent over S. and SE. slopes.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, on bedrock, for cor. secs. 3-4-33 and 34, with brass cap marked
	T37S | R20E S33 | S34 S4 | S3 T38S 1919
	from which
	A pinon, 10 ins.diam., bears N.74°E., 147 lks. dist., marked T37S R20E S34 BT
	A cedar, 8 ins.diam., bears S.39$\frac{1}{4}$°E., 46 lks. dist., marked T38S R20E S3 BT
	A pinon, 8 ins.diam., bears S.9°W., 71 lks. dist., marked T38S R20E S4 BT
	A pinon, 6 ins.diam., bears N.20$\frac{1}{2}$°W., 42 lks. dist., marked T37S R20E S33 BT
	Land, rolling and low broken, top of mesa, having a general southern exposure and drainage.
	Soil, mostly white sandstone bedrock, with some loose rock and loose sandy loam.
	Timber, medium dense scrub cedar and pinon, on mile.
	Undergrowth, very scattered sagebrush.
	Poor grazing land.

	West, bet. secs. 4 and 33.
	Over rolling mesa, through medium dense scrub timber; gently desc. 15 ft. to
8.20	Wash, 20 lks. wide, 5 ft. deep, in small ravine, course SE.; thence gentle ascent, S. and SE. slopes, 135 ft.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a large mound of stone, for

Chains

$\frac{1}{4}$ sec. cor., with brass cap marked

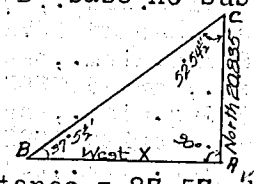
$$\frac{1}{4}\ \frac{S33}{S4}$$

1919

from which

A pinon, 8 ins.diam.,bears N.8$\frac{1}{2}$°E., 19 lks. dist.,marked $\frac{1}{4}$ S33 BT
A pinon, 5 ins.diam.,bears S.4$\frac{3}{4}$°E., 57 lks. dist., marked $\frac{1}{4}$ S4 BT

43.92 E. rim of Mule Canyon and top of 200 ft. vertical ledge, bears NW., and SW for 2 chs., thence to E. for 10 chs. thence to S. The canyon is approximately 500 ft. deep, rimmed with high vertical walls, drains to SE., across which I cannot chain; therefore triangulate as follows: I desigante this point "A", set flag "B" on opposite side of canyon, on line west, then measure base, AC north 20.835 chs. dist. to point whence "B" subtends angle of 52° 54'.5; from "B" base AC subtends angle of 37°5$\frac{1}{2}$'.



Triangulated distance = 27.57 chs.

71.49 To triangulation point on W. rim of canyon and top of 150 ft. wall, bears N.55°W. and S.55°E.

76.70 Small swale, drains NE.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 4-5-32 and 33, with brass cap marked

T37S	R20E
S32	S33
S5	S4

T38S
1919

from which

A cedar, 8 ins.diam.,bears N.51$\frac{1}{2}$°E., 59 lks. dist.,marked T37S R20E S33 BT
A cedar, 10 ins.diam.,bears S.54°E., 8 lks. dist.,marked T38S R20E S4 BT
A cedar, 10 ins.diam.,bears S.44$\frac{1}{2}$°W., 78 lks. dist.,marked T38S R20E S5 BT
A cedar, 10 ins.diam.,bears N.17°W., 15 lks. dist.,marked T37S R20E S32 BT

Chains	
	Land, rolling and low broken mesa top cut by a deep rocky canyon, draining SE; the canyon can be crossed about ½ mile to N. of line, becomes deeper to the S.
	Soil, mostly sandstone bedrock, with covering of loose sand and sandy loam.
	Timber, medium dense scrub cedar and pinon, on mile.
	Undergrowth, very scattered sagebrush.
	Poor grazing land.
	West, bet. secs. 5 and 32.
	Gradually asc. over NE. slope on rolling mesa land, through dense timber; scattered undergrowth.
5.30	Cross opening 2 chs. wide, with heavy sagbrush, extends NE. and SW.
40.00	On top of ascent, 100 ft. above sec. cor., bears N. and rises to the S.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S32 / S5 1919
	from which
	A cedar, 6 ins.diam.,bears S.49½°E., 56 lks. dist.,marked ¼ S5 BT
	A cedar, 5 ins.diam.,bears N.69½°W., 58 lks. dist.,marked ¼ S32 BT
	Gently desc. along a N. and NW. slopes.
56.00	Leave dense, enter scattered timber with dense sagebrush, bearing N. and S.; thence over W. and SW. slopes.
78.60	A main wash, 30 lks. wide, 6 ft. deep, 45 ft. below ¼ cor., course SE.
80.00	On nearly level ground, 20 ft. above wash.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 5-6-31 and 32, with brass cap marked

T37S	R20E
S31	S32
S6	S5

T38S
1919

Chains	
	from which A cedar, 16 ins.diam.,bears N.79½°E., 460 lks. dist.,marked T37S R20E S32 BT A cedar, 6 ins.diam.,bears S.50¾°E., 67 lks. dist.,marked T38S R20E S5 BT A cedar, 6 ins.diam.,bears S.44°W., 169 lks. dist.,marked T38S R20E S6 BT A cedar, 6 ins.diam.,bears N.74¼°W., 145 lks. dist.,marked T37S R20E S31 BT
	Land, rolling, having a general E. to NE. exposure on E. 56 chs., and to S. and SW on remainder of mile.
	Soil, light, dry sandy loam, with some exposed sandstone bedrock on E. portion; deep, loose sandy loam on W. portion of mile.
	Timber, dense to scattered scrub cedar and pinon.
	Undergrowth, sagebrush, with scattered greasewood and grass. Good grazing land on W. ½ mile.

	West, bet. secs. 6 and 31.
	Over rolling land, facing to E. and SE., through dense sagebrush, scattered cedar and pinon; gradually asc.
25.00	Enter dense timber, bears N. and SE.
33.00	Top of raise, 115 ft. above sec. cor., bears NW. and SE.; thence along a gentle S. slope.
39.00	Depression on S. slope, drains S.; gently asc. land facing SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S31/S6 1919 from which A cedar, 5 ins.diam.,bears S.1°E., 43 lks. dist.,marked ¼ S6 BT A cedar, 6 ins.diam.,bears N. 2° W., 19 lks. dist.,marked ¼ S31 BT
55.00	Small wash, drains S.
57.00	Small wash, drain SE.; enter scattered bedrock.
68.50	Top of ascent on low, broad ridge or hill, 240 ft. above sec. cor., bears N. to NW. and S.

Chains	
	Gradually desc. W. slope, 30 ft. to
78.33	(allowing for convergency)
	Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in ground, for cor. of Ts. 37 and 38 S., Rs. 19 and 20 E., with brass cap marked

T37S
R19E | R20E
S36 | S31
S1 | S6
T38S
1919

from which

A pinon, 10 ins.diam.,bears N.71°E., 37 lks. dist., marked T37S R20E S31 BT
A cedar, 12 ins.diam.,bears S.76½°E., 67 lks. dist.,marked T38S R20E S6 BT
A pinon, 6 ins.diam.,bears S.80¼°W., 64 lks. dist.,marked T38S R19E S1 BT
A pinon, 5 ins.diam.,bears N.24¾°W., 47 lks. dist.,marked T37S R19E S36 BT

Land, rolling and low broken; exposure and drainage to SE. and S. on the E. 68 chs.; and to SW on remainder.

Soil, deep, fine, dry sandy loam on E. 25 chs., becoming shallower and mixed with loose rock and bedrock on remainder of mile.

Timber, cedar and pinon; scattered on the E. 25 chs.; dense on remainder

Undergrowth, dense sagebrush on eastern portion, scattered on W. portion; fair grazing land.

Corner stands on a general SW. slope.

West Boundary of T. 37 S., R. 20 E.

From the cor. of Ts. 37 & 38 S., Rs. 19 & 20 E.

North, on range line bet. ranges 19 and 20 E., bet. secs. 31 and 36.

Over rolling and broken land, facing SW., through dense scrub timber and scattered undergrowth; rocky soil.

Gradually asc. SW. slope.

3.00	Small wash, 30 lks. wide, 5 ft. deep, course SW.
11.80	Rim ledge, 15 ft. high, bears NW. and SE.; proceed over bedrock to

West Boundary of T. 37 S., R. 20 E.

Chains	
13.50	Leave solid bedrock, bears NW. and SE.
17.00	Top of low flat ridge, 60 ft. above tp. cor., bears NW. and SE.; gradually desc. NE. and N. slopes.
38.25	Small wash, course E.
40.00	On a gentle NE. slope, 55 ft. below ridge. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S36 | S31

1919

from which

A cedar, 12 ins.diam., bears N.39½°E., 24 lks. dist., marked ¼ S31 BT
A pinon, 12 ins.diam., bears S.75½°W., 21 lks. dist., marked ¼ S36 BT

41.50	Enter sagebrush opening, bears NE. and SW.
46.00	Leave same, bears E. and W.
65.00	A main wash, 40 lks. wide, 5 ft. deep, a very small seep of fair water at this point in same, course SE.; thence over land facing SE.
78.50	Enter sagebrush opening, bears NW. and SE.
80.00	In opening and slight swale, drains SE. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 25-30-31 and 36, with brass cap marked

T37S

R19E	R20E
S25	S30
S36	S31

1919

from which

A cedar, 20 ins. diam., bears N.16°E., 335 lks. dist., marked T37S R20E S30 BT
A cedar, 6 ins.diam., bears S.31°E., 397 lks. dist., marked T37S R20E S31 BT
A cedar, 8 ins.diam., bears S.70½°W., 62 lks. dist., marked T37S R19E S36 BT
A cedar, 14 ins.diam., bears N.32¾°W., 149 lks. dist., marked T37S R19E S25 BT

Land, rolling; drainage to SW. and SE.

Soil, rocky with shallow sandy loam and some clay on S. end of mile; deep sandy loam with clay on northenn

Chains	
	portion of mile.
	Timber, dense cedar and pinon.
	Undergrowth, scattered to dense sagebrush.
	Fair grazing land on greater part of mile.
	North, bet. secs. 25 and 30.
	Over rolling land facing SE.; through medium dense cedar and pinon, considerable sagebrush.
3.40	Leave sagebrush opening, enter dense timber, bears W. and SE.
20.90	Ravine, 20 ft. deep, course S.60°E.
36.30	Ravine, 25 ft. deep, course SE.
39.60	Wash, 70 lks. wide, 5 ft. deep, course SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S25 | S30

1919

from which

A pinon, 6 ins.diam.,bears N. 61½°E., 41 lks. dist.,marked ¼ S30 BT
A pinon, 7 ins.diam.,bears N.40¼°W., 41 lks. dist.,marked ¼ S25 BT

48.30	Ravine, 15 ft. deep, course S.70°E.; gradually asc.
66.35	Enter more scattered timber with service brush, bears E. and W.
72.00	Base of rim of higher mesa, bears SE to E. and W.; asc. abruptly over barren sandstone rim, 65 ft. to
76.35	Top of high mesa, bears SE. and W.; thence over top.
80.00	On top of higher mesa, 150 ft. above ¼ cor.
	Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in ground to bedrock, and in a large mound of stone, 5 ft. base, for cor. secs. 19-24-25 and 30, with brass cap marked

Chains

T37S	
R19E	R20E
S24	S19
S25	S30

1919

from which

A pinon, 6 ins. diam., bears N. 9° E., 117 lks. dist., marked T37S R20E S19 BT
A pinon, 10 ins. diam., bears S.23¼°E., 106 lks. dist., marked T37S R20E S30 BT
A pinon, 5 ins. diam., bears S.40°W., 46 lks. dist., marked T37S R19E S25 BT
A pinon, 5 ins. diam., bears N.57¼°W., 43 lks. dist., marked T37S R19E S24 BT

Land, rolling and broken, cut by numerous small ravines, draining E. to SE.

Soil, sandy loam and gravelly, with sandstone bedrock outcrops on northern portion of mile.

Timber, medium dense cedar and pinon.

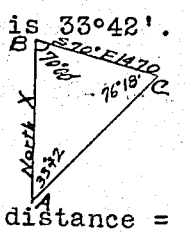
Undergrowth, scattered sagebrush.

North, bet. secs. 19 and 24.

Over rolling top of higher mesa, through dense timber.

13.17 N. rim of mesa and S. rim of Left Fork of Mule Canyon, bearing N.80°W. and E. From this point a Cliffdwellers ruin on N. rim of canyon, bears N.21½°W.

As it is impossible to chain across the canyon, which is about 400 ft. deep, rimmed with series of vertical ledges on S. side and smooth barren sandstone wall on N. side, canyon drains S.70°E.; proceed to triangulate as follows: No suitable place for base line on this side, I erect flag at this point, which I designate "A" and set flag "B" North, on opposite side of canyon, then, from "B" measure base BC, S.70°E., 14.70 chs. to point whence "A" subtends angle of 76°18'; computed angle at "A" is 33°42'.



Triangulation distance = 25.74 chs.

Chains	
38.91	Triangulation point. The N. rim of canyon, bearing N.80°W and S.80°E., bears S. of here 5 chs. dist.
	Gradually asc. S. slope towards base of higher mesa.
39.80	Begin steeper ascent over barren white sandrock, bears about E. and W.
40.00	True point for ¼ sec. cor. falls on impracticable point on abrupt S. slope, barren rock, therefore at
40.87	On S. slope, 60 ft. above N. rim of canyon, and at foot of 50 ft. vertical ledge, bearing N.80°W. and S.80°E. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for witness cor. to the ¼ sec. cor., with brass cap marked
	¼ S24 | S19 WC 1919
	from which
	A pinon, 6 ins.diam.,bears S.86°E., 132 lks. dist.,marked WC ¼ S19 BT
	No suitable tree within limits in sec. 24.
	Abrupt ascent over ledges, 105 ft. to
41.50	Top of ledges, bears N.80°W. and N.80°E.; thence over rolling top of the higher mesa, extending E. and W.
75.80	N. rim of higher mesa, bears N.30°W. and SE.; and point from which Cliffdwellers ruin on N. side of canyon, bears N.47¼°E.
	Abrupt descent N. slope over barren sandrock, 100 ft. to
80.00	At base of the abrupt slope, bears NW. and S.70°E.
	True point for sec. cor. falls on smooth sandrock where cor. cannot be set, therefore at
82.40	Set an iron post, 3 ft. long, 2 ins. dia., 10 ins. in ground to bedrock and in a large mound of stone, for witness cor. to the cor. of secs. 13-18-19 and 24, with brass cap marked
	T37S. R19E | R20E S13 | S18 S24 | S19 WC 1919

Chains	
	from which A pinon, 8 ins.diam.,bears N.12¼°E., 9 lks. dist.,marked WC T37S R20E S18 BT A cedar, 8 ins.diam.,bears S.34½°E., 77 lks. dist.,marked EC T37S R20E S18 BT A pinon, 6 ins.diam.,bears S.21½°W., 52 lks. dist.,marked WC T37S R19E S13 BT A pinon, 6 ins.diam.,bears N.52°W., 77 lks. dist.,marked WC T37S R19E S13 BT Land, mountainous in character, consisting of broken mesa and canyon slopes; drainage SE. Soil, mostly white & red sandstone bedrock and barren rock slopes, with shallow loose sand in places. Timber, medium dense to scattering scrub cedar and pinon, with fir on N. slope of the canyon. Very little undergrowth of sage and service brush. --- North, bet. secs. 13 and 18, from WC of secs. 13-18-19 and 24, counting distance from true cor. point. Over rolling bench land, facing NE., through dense scrub cedar and pinon, scattered undergrowth of sagebrush, service and manzanita brush.
2.40	Witness cor. heretofore described.
17.80	S. rim of Right Fork of Mule Canyon, bears N.60°W. and S.60°E.; desc. abruptly into bottom through dense fir and pine timber, small ledges.
27.50	Bottom of Mule Canyon, dry, 250 ft. deep, course S.60°E.; asc. abruptly S. slope over barren rock slope, no timber.
32.00	N. rim of canyon, bears N.80°W. and S.70°E.; thence gradually asc. over bench, through medium dense cedar and pinon and considerable manzanita.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S13 | S18 1919 from which A pinon, 5 ins.diam.,bears N.26¾°E., 15 lks. dist.,marked ¼ S18 BT A pinon, 5 ins.diam.,bears S.54¼°W., 80 lks. dist.,marked ¼ S13 BT Gradually ascend.

West Boundary of T. 37 S., R. 20 E.

Chains	
49.00	Base of sandstone rim, bears NW. and SE.; asc. abruptly over barren sandrock, 70 ft. to
50.40	Top of rim, bears NW. and SE., thence over higher land, gently asc.
55.00	Top of ascent on mesa, 175ft. above ¼ cor., bears NW. and SE.; thence over rolling top, slight E. slope.
68.00	Sandstone rim bearing SE and N80°E., bears E. of line 3 chs. dist.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in ground to bedrock, and in a large mound of stone, for cor. secs. 7-12-13 and 18, with brass cap marked

T37S
R19E | R20E
S12 | S7
S13 | S18
1919

from which

A pinon, 10 ins.diam.,bears N.22¼°E., 57 lks. dist.,marked T37S R20E S7 BT
A pinon, 10 ins.diam.,bears S.41¾°E., 90 lks. dist.,marked T37S R20E S18 BT
A pinon, 10 ins.diam.,bears S.37°W., 48 lks. dist.,marked T37S R19E S13 BT
A pinon, 8 ins.diam.,bears N.21¼°W., 18 lks. dist.,marked T37S R19E S12 BT

Land, mountainous in character, broken by Mule Canyon and slopes of mesa; drainage to SE.

Soil, considerable sandstone bedrock, with shallow, light sandy loam, very little clay.

Timber, medium dense cedar and pinon, some fir and yellow-pine on N. canyon slopes.

Undergrowth, scattered sage, service and manzanita brush.

Poor grazing land.

North, bet. secs. 7 and 12.

Over rolling land, through dense timber; gently asc.

3.00	Top of slight raise, bears E. and W.; leave timber, enter dense sagebrush, 3 to 5 ft. high, bears E. and W.
25.50	Ravine, 15 ft. deep, course E.; scattered timber along same.

West Boundary of T. 37 S., R. 20 E.

Chains	
38.30	Wash, 50 lks. wide, 5 ft. deep, in ravine, course S.80°E. timber extends along same.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked ¼ S12 | S7 1919 from which A pinon, 10 ins.diam.,bears N.10¾°E., 96 lks. dist.,marked ¼ S7 BT A pinon, 6 ins.diam.,bears N.5°W., 123 lks. dist.,marked ¼ S12 BT
58.00	Enter dense timber, bears E. and W.
63.75	Ravine, 20 ft. deep, course S.80°E. about 20 chs. dist. to breaks of Arch Canyon.
67.75	Leave timber, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 1-6-7 and 12, with brass cap marked T37S R19E | R20E S1 | S6 S12 | S7 1919 dig pits, 24x18x12 ins., in each sec., 3 ft. dist. of post.

Note: S. face of high red butte bears N.82°26'W., about 1 mile dist.

Land, gently rolling, having a slight general E. exposure and drainage. This is locally known as "Texas Flat".

Soil, deep, rich sandy loam, with outcrops of sandstone bedrock along ravines and on S. end of mile.

Timber, cedar and pinon, on S. end of mile and along the ravines.

Undergrowth, dense sagebrush, 3 to 5 ft. high, excepting on the timber portions.

Good grazing land.

Chains	
	North, bet. secs. 1 and 6.
	Over gently rolling open land, slight exposure to E., through dense sagebrush.
2.70	Trail, bears N.30°W. and S.20°E.
18.50	W. point of timber, bears E. of line 5 chs. dist.
19.40	Wash, 10 lks. wide, 3 ft. deep, course E.
36.50	Enter dense cedar and pinon, bears S.30°E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground for ¼ sec. cor., with brass cap marked

¼

S1 | S6

1919

from which

A pinon, 10 ins.diam., bears N. 7°E., 64 lks. dist., marked ¼ S6 BT
A pinon, 6 ins.diam., bears N.17°W., 95 lks. dist., marked ¼ S1 BT

42.50	Small wash, 15 lks. wide, 2 ft. deep, drains S.80°E. about 5 chs. dist. to breaks of Arch Canyon; enter rocky soil.
53.62	Right rim of Arch Canyon, bears E. for 4 chs. thence towards the S., and NW. for 10 chs., thence W. Impossible to continue line further because of impassable canyon, about 800 ft. deep, rimmed with high vertical walls over which it is impossible to survey further; therefore at this point

Set an iron post, 3 ft. long, 2 ins. dia.,(no 3 inch post available) 24 ins. in a large mound of stone, 5 ft. base, set over cross X cut in bedrock, for the witness cor. to cor. of Ts. 36 and 37 S., Rs. 19 and 20 E., with brass cap marked

WC
T36S

R19E	R20E
S36	S31
S1	S6

T37S
1919

from which

Chains	
	A pinon, 6 ins.diam.,bears S.54°E., 38 lks. dist.,marked WC T37S R20E S6 BT A pinon, 6 ins.diam.,bears S.46°W., 76 lks. dist.,marked WC T37S R19E S1 BT
	The distance north from this WC. to intersection with north boundary of the tp. is computed by triangulation, from the witness tp. cor. on N. bdy., for description see survey N. bdy. = 28.06 chs.
81.68	Intersect N. bdy. of tp. No cor. set here.
	Land, gently rolling bench, with slight E. exposure and drainage, lying along W. rim of Arch Canyon, which drains SE.
	Soil, deep, fine sandy loam on S. 42½ chs., shallow sandy loam with sandstone bedrock outcrops on remaing 11.12 chs.
	Timber, dense cedar and pinon, on 17.12 chs.
	Undergrowth, dense sagebrush on S. 36½ chs.
	East Boundary of T. 37 S., R. 20 E.
	From the true point for cor of Ts. 37 and 38 S., Rs. 20 and 21 E., which is 2.87 chs. E. of the W.C.
	North, along range line bet. ranges 20 and 21 E., bet. secs. 31 and 36.
	Over nearly level bottom land, along Comb Wash, through scattered cottonwoods and dense sagebrush.
4.50	Wire fende, bears NE. and SW.
14.50	Leave cottonwoods, enter heavier sagebrush, 6 ft. high, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S36 | S31

1919

from which

A cottonwood, 24 ins.diam.,bears N.84½°E., 505 lks. dist.,marked ¼ S31 BT

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

Chains	
	dist.
49.00	Fence, bears NW. and SE.
53.40	Comb Wash, 1 ch. wide, 6 ft. deep, stream of good water, 4 lks. wide, 4 ins. deep, course SE. to S.; cottonwoods along same.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 25-30-31 and 36, with brass cap marked

T37S
R20E | R21E
S25 | S30
S36 | S31
1919

from which

A cottonwood, 34 ins.diam.,bears S.35°W., 568 lks. dist.,marked T37S R20E S36 BT
A cottonwood, 24 ins.diam.,bears N.45°W., 564 lks. dist.,marked T37S R20E S25 BT

and dig pits, 24x18x12 ins., in each sec., 3 ft. dist. of post.

Land, nearly level bottom lands, lying along Comb Wash, which drains about S.

Soil, deep, fine, loose, sandy loam, on gravel and rock subsoil.

Timber, scattered cottonwoods on portions of mile, following line of the wash.

Undergrowth, dense sagebrush.

North, bet. secs. 25 and 30.
Over gently rolling valley land, facing W., through dense sagebrush; gently ascending.

30.00	Enter very scattered scrub cedar and pinon, bears N.30°W. and S.30°E.
40.00	70 ft. above sec. cor.

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

¼
S25 | S30
1919

from which

Chains	
	A cedar, 14 ins.diam.,bears S.28°10'E., 247 lks. dist.,marked ¼ S30 BT A cedar, 8 ins.diam.,bears N.6°W., 205 lks. dist.,marked ¼ S25 BT
	Continue along W. slope, cut by numerous small washes, draining SW.
80.00	45 ft. above ¼ cor.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 19-24-25 and 30, with brass cap marked

T37S

R20E	R21E
S24	S19
S25	S30

1919

from which

A pinon, 12 ins.diam.,bears N.70°E., 112 lks. dist.,marked T37S R21E S19 BT
A cedar, 12 ins.diam.,bears S.13¼°E., 71 lks. dist.,marked T37S R21E S30 BT
A cedar, 6 ins.diam.,bears S.4½°W., 5 lks. dist.,marked T37S R20E S25 BT
A cedar, 14 ins.diam.,bears N.80¼°W., 66 lks. dist.,marked T37S R20E S24 BT

Land, gently rolling valley, having a gentle W. and SW. slope and drainage into Comb Wash.

Soil, sandy loam and gravelly, mixed with scattered sandstone rocks on N. ½ mile.

Timber, scattered scrub cedar and pinon, on N. 50 chs.

Undergrowth, medium dense sagebrush on mile.

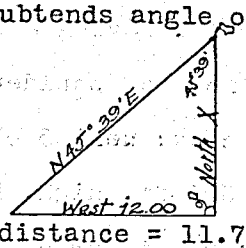
Good grazing land.

North, bet. secs. 19 and 24.

Over rolling and broken land, facing SW., cut by numerous small washes, draing SW.,through scattered cedar and pinon, and sagebrush; ascending.

30.00 The base of a high sandstone rim, ahead on line about 7 chs. dist. over which it is impossible to chain, and this being the most suitable place of base; therefore triangulate to top as follows:

Set flag on line, North, on top of rim, thence mesasure base, West, 12.00 chs. dist. to point whence the flag

Chains	
	on top bears N.45°39' E. From flag on top, E. and W. ends of base subtends angle of 45°39'.
	
	Triangulation distance = 11.73 chs.
41.73	Rim of "The Comb" a sandstone wall, 500 ft. high, 630 ft. above sec. cor., bears N.10°W. and S.20°E.
	The true point for ¼ sec. cor. at 40.00 chs. falls on S. face of the rim and is inaccessable.
42.00	On top of mesa.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for witness cor. to the ¼ sec. cor., with brass cap marked
	¼ S24 | S19 W C 1919
	from which
	A pinon, 6 ins.diam.,bears S. 85°E., 24 lks. dist.,marked WC ¼ S19 BT
	No suitable tree within limits in sec. 24.
	Thence over gently rolling mesa top, through medium dense cedar and pinon.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in ground to bedrock, and in a large mound of stone, for cor. secs. 13-18-19 and 24, with brass cap marked
	T37S R20E | R21E S13 | S18 S24 | S19 1919
	from which
	A pinon, 10 ins.diam.,bears N.14½°E., 48 lks. dist.,marked T37S R21E S18 BT A pinon, 10 ins.diam.,bears S.54¼°E., 63 lks. dist.,marked T37S R21E S19 BT A pinon, 8 ins.diam.,bears S.32° W., 60 lks. dist.,marked T37S R20E S24 BT A pinon, 6 ins.diam.,bears N.78¾°W., 56 lks. dist.,marked T37S R20E S13 BT

Chains	
	S. 37 chs. is rolling and broken valley land, lying under high sandstone break, having a SW. slope and drainage; soil is rocky in form of boulders, gravelly and loose sandy loam, some clay: next 5 chs, is a sandstone rim, nearly vertical, 500 ft. high, known as "The Comb"; of red sandstone; remainder of mile is gently rolling top of mesa; shallow sandy loam on bedrock.
	Timber, medium dense scrub cedar and pinon.
	Undergrowth, considerable sagebrush.

	North, bet. secs. 13 and 18.
	Over rolling mesa land, through dense timber and scattered undergrowth; gradually ascending.
7.00	Begin more abrupt ascent SE. slope.
18.80	Top of ascent on E. slope of rocky knoll, 190 ft. above sec. cor., bears SW.; desc. NE. slope, 185 ft. to
28.75	Base of descent, bears N.80°E. and SW.; thence over mesa, slight W. slope.
33.00	Rim of The Comb, bearing N.20°W. and S.20°W., bears W. of line, 50 lks. dist.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S13 | S18 1919 from which A pinon, 12 ins.diam.,bears N.24°W., 92 lks. dist.,marked ¼ S13 BT A pinon, 10 ins.diam.,bears S.54°E., 57 lks. dist.,marked ¼ S18 BT
41.70	Dim old road, (unused) bears NW. and SE.
	Asc. gradually over SW. slope, 120 ft. to
68.00	Top of low ridge, bears N.20°W. and SE.; thence over NE. slope, slightly descending.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, on bedrock, for cor. secs. 7-12-13 and 18, with brass cap marked

Chains	
	T37S R20E | R21E S12 | S7 S13 | S18 1919
	from which
	A pinon, 5 ins.diam.,bears N.17½°E., 130 lks. dist.,marked T37S R21E S7 BT A pinon, 5 ins.diam.,bears S.9½°E., 152 lks. dist.,marked T37S R21E S18 BT A pinon, 14 ins.diam.,bears S.17½°W., 190 lks. dist.,marked T37S R20E S13 BT A pinon, 5 ins.diam.,bears N.52°W., 65 lks. dist.,marked T37S R20E S12 BT
	Land, rolling mesa top; SW. exposure and drainage into Comb Wash, on S. 68 chs., and to NE. thence to SE. into Butler Canyon, on remainder of mile.
	Soil, shallow, loose sandy loam, and sandstone bedrock outcrops, with scattered loose rock on surface.
	Timber, medium dense scrub cedar and pinon.
	Undergrowth, scattered sagebrush.
	Fair grazing land.

	North, bet. secs. 7 and 12.
	Over broken land facing to E., through dense cedar and pinon, very scattered sagebrush; descending.
21.00	Draw, 15 ft. deep, 85 ft. below sec. cor., course S.80°E.
	Thence gently ascending along E. slope.
33.75	Draw, 15 ft. deep, course E.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S12 | S7 1919
	from which
	A pinon, 5 ins.diam.,bears S.11½°E., 62 lks. dist.,marked ¼ S7 BT A cedar, 6 ins.diam.,bears N.82°W., 20 lks. dist.,marked ¼ S12 BT
47.35	Ravine, 15 ft. deep, course SE.; asc. S. slope.
72.50	Ridge, 135 ft. above ravine, bears E. and W.; gradually descend NW. slope, 40 ft. to

Chains	
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 1-6-7 and 12, with brass cap marked

T37S
R20E | R21E
S1 | S6
S12 | S7
1919

from which

A pinon, 6 ins.diam., bears N.27°E., 53 lks. dist., marked T37S R21E S6 BT
A pinon, 6 ins.diam., bears S.5¼°E., 66 lks. dist., marked T37S R21E S7 BT
A pinon, 9 ins.diam., bears S.42°W., 61 lks. dist., marked T37S R20E S12 BT
A cedar, 6 ins.diam., bears N.66½°W., 68 lks. dist., marked T37S R20E S1 BT

Land, broken mesa, having a general E. and SE. slope and drainage on S. 72½ chs.; and to N. on remainder.

Soil, shallow, loose sandy loam, with outcrops of sandstone bedrock; subsoil bedrock.

Timber, dense cedar and pinon, on mile.

Undergrowth, scattered sagebrush. Fair grazing land.

North, bet. secs. 1 and 6.

Over gently rolling mesa land, through medium dense timber and undergrowth; gently descending.

7.00	Leave dense, enter scattering timber, bears NW. and NE.; and head of swale, drains N.10°E.
26.40	Old (unused) road, bears E. and W.
29.95	Wash, 20 lks. wide, 8 ft. deep, course NE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼
S1 | S6
1919

from which

A cedar, 5 ins.diam., bears S.15¾°W., 120 lks. dist., marked ¼ S1 BT

and dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist. No suitable tree within limits in sec. 6.

East Boundary of T. 37 S., R. 20 E.

Chains	
	Cor, stands in W. edge of open swale, draining N.10°E.
40.75	Wash, 10 lks. wide, 3 ft. deep, course NE.
71.00	Top of slight ascent, bears NE. and SE.; desc. N. slope towards sandstone rim.
76.60	Top of sandstone rim, bears E. for 2 chs., thence to N., and NW. for 3 chs., thence to SW.; desc. abruptly N. slope, 80 ft. over ledges and barren rock to
79.00	On a shelf of rim on N. face of rim. As the true point for tp. cor. falls on an abrupt ledgy slope where cor. cannot be set, therefore at this point
	Set an iron post, 3 ft. long, 3 ins. dia., 10 ins. in ground to bedrock, and in a large mound of stone, for witness cor. to cor. of Ts. 36 and 37 S., Rs. 20 and 21 E., with brass cap marked

WC
T36S
R20E | R21E
S36 | S31
S1 | S6
T37S
1919

from which

A cedar, 6 ins.diam.,bears N.68°E., 32 lks. dist.,marked WC T37S R21E S6 BT
A pinon, 6 ins.diam.,bears S.61½°E., 63 lks. dist.,marked WC T37S R21E S6 BT
A pinon, 10 ins.diam.,bears N.17°W., 29 lks. dist.,marked WC T37S R20E S6 BT

No suitable tree within limits in SW. quadrant.

80.00	On abrupt ledgy N. slope,true point for tp. cor.
	Land, rolling and broken, having a general NE. slope and drainage into Cottonwood Canyon.
	Soil, light, fine, red sandy loam, sandstone outcrops on N. end; subsoil, sandstone bedrock.
	Timber, medium dense and scattered cedar and pinon.
	Undergrowth, considerable sagebrush.
	Fair grazing land.

North Boundary of T. 37 S., R.20 E.

From true point for cor. Ts. 36 & 37 S., Rs. 20 & 21 E.,

North Boundary of T. 37 S., R. 20 E.

Chains	
	West, bet. secs. 1 and 36.
	Over rough, broken land, facing to N. and NE., through medium dense cedar and pinon, scattered sagebrush.
	Ascend abruptly over rim rock, NE. face, 85 ft. to
3.55	N. point of rim, bears S.30°W. and SE; desc. abruptly over ledges, W. face, 190 ft. to
9.50	Base of ledges, enter hollow bottom, dense sage and oak brush, bears N.30°E. and S.30°W.
12.00	Wash, 20 lks. wide, 5 ft. deep, in hollow, drains NE.
	Asc. broken, rocky NE. slope, 175 ft. to
28.90	Low ridge, bears NE. and SW.; desc.
31.00	Small box gulch, 60 ft. deep, course NE.; asc. 75 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked

$\frac{1}{4}$ S36 / S1

1919

from which

A cedar, 10 ins. diam., bears N.22°E., 63 lks. dist., marked ¼ S36 BT
A pinon, 6 ins. diam., bears S.21¼°W., 55 lks. dist., marked ¼ S1 BT

	Asc. 50 ft. to
43.50	Top of ascent, bears N. and S.; desc. 100 ft. to
51.50	Canyon, course N.; asc. E. and NE. slopes, 250 ft. to
75.00	Top of ascent on "The Comb", bears N.20°W. and S.10°E.; abrupt descent W. face over ledges and boulders, 350 ft. to
80.00	On steep W. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. of secs. 1-2-35 and 36, with brass cap marked

T36S	R20E
S35	S36
S2	S1

T37S
1919

Chains	
	raise a mound of stone 3 ft. base, 2 ft. high, W. of cor. Trees within limits but too scrubby to mark.
	Land, broken mountainous; E. 75 chs. facing to N. and drains into Cottonwood Canyon; W. 5 chs. is abrupt W. face of "The Comb", drains into Comb Wash.
	Soil, rocky in form of sandstone bedrock outcrops, loose sandy loam, gravel and clay.
	Timber, medium dense cedar and pinon, on mile.
	Undergrowth, scattered sage and oakbrush.
	Poor grazing land.

	West, bet. secs. 2 and 35.
	Over broken mountainous land, through medium dense cedar and pinon timber, scattered sagebrush; desc. steep, rocky W. slope, 250 ft. to
11.35	Bottom of Trail Canyon, course S.10°W., heads about ¼ mile to N.; trail, from Blanding to Perkins' ranch, in same, bears N. and S.; asc. steep, rocky E. slope.
24.00	Top of sandstone reef, 340 ft. above canyon, bears N.20°W. and S.20°E.; desc. abruptly over broken W. slope, 380 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S35/S2 1919 from which A cedar, 6 ins. diam., bears S.6°E., 51 lks. dist., marked ¼ S32 BT A pinon, 5 ins. diam., bears N.69°E., 45 lks. dist., marked ¼ S35 BT
	Continue more gradual descent over SW. slope, 75 ft. to
53.10	Thence abrupt descent of 115 ft. to
55.35	Bottom of Comb Wash gulch, course S.30°E.; asc. steep, broken and rocky general E. slope, 475 ft. to
80.00	On E. slope, on bedrock.

Chains

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, 5 ft. base, on bedrock, for cor. secs. 2-3-34 and 35, with brass cap marked

T36S	R20E
S34	S35
S3	S2

T37S
1919

from which

B O X cut in sandstone, bears N.69¾°E., 80 lks. dist.
A pinon, 8 ins.diam., bears S.24¾°E., 28 lks. dist., marked T37S R20E S2 BT
A pinon, 6 ins.diam., bears S.1¼°W., 140 lks. dist., marked T37S R20E S3 BT
A pinon, 10 ins.diam., bears N.42¼°W., 129 lks. dist., marked T36S R20E S34 BT

Land, mountainous, very broken and rough surface; drainage to S.

Soil, rocky of sandstone bedrock and boulders, with covering of shallow, loose sandy loam.

Timber, considerable scrub cedar and pinon.

Undergrowth, very scattered sagebrush.

Poor grazing land.

West, bet. secs. 3 and 34.

Over broken land, facing E., through scattered to medium dense cedar and pinon, very scattered sagebrush, few clumps of oak brush; ascending.

14.75 Draw, 35 ft. deep, course SE.

40.00 On SE. slope, 410 ft. above sec. cor.

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

¼ S34
S3
1919

from which

A cedar, 10 ins.diam., bears N.75°E., 7 lks. dist., marked ¼ S34 BT
A pinon, 6 ins.diam., bears S.46¼°E., 75 lks. dist., marked ¼ S3 BT

Chains	
	Asc. SE. slope, 290 ft. to
65.00	Top of ascent on S. slope, about half way bet. the foot and top of S. end of Milk Ranch point of Elk Ridge; desc. rough SW. slope, 130 ft. to
79.47	As true point for sec. cor. falls on impracticable place, at this point
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, 5 ft. base, on bedrock, for witness cor. to cor. secs. 3-4-33 and 34, with brass cap marked
	WC T36S | R20E S33 | S34 S4 | S3 T37S 1919
	No suitable trees within limits as bearing trees.
80.00	True point for sec. cor., falls on abrupt shale slide where cor. cannot be set.
	Land, mountainous; rough general SE. slope on E. 65 chs. and SW. slope on remainder of mile.
	Soil, rocky, sandstone bedrock outcrops, with shallow loose sandy loam, some clay and shale near W. end of mile.
	Timber, medium dense to scattered scrub cedar and pinon.
	Undergrowth, scattered sage, oak and service brush.
	Poor grazing land.

	West, bet. secs. 4 and 33, from true cor. point.
	Over broken land, facing SW., through scattered timber and undergrowth; descending.
15.25	Ravine, 50 ft. deep, 120 ft. below sec. cor., course S.; thence over rough, nearly S. slope, through dense timber.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S33 S4 1919

Chains

from which

A pinon, 8 ins.diam.,bears N.79¼°E., 94 lks. dist.,marked ¼ S33 BT
A pinon, 6 ins.diam.,bears S.60½°E., 78 lks. dist.,marked ¼ S4 BT

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 4-5-32 and 33, with brass cap marke

T36S .S32	R20E S33
S5	S4

T37S .1919

from which

A pinon, 14 ins.diam.,bears N.72¾°E., 95 lks. dist.,marked T36S R20E S33 BT
A pinon, 12 ins.diam.,bears S.79½°E., 120 lks. dist.,marked T37S R20E S4 BT
A pinon, 6 ins.diam.,bears S.21¾°W., 45 lks. dist.,marked T37S R20E S5 BT
A cedar, 8 ins.diam.,bears N.75°W., 35 lks. dist.,marked T36S R20E S32 BT

Land, broken and rolling; E. 15 chs. slope of Milk Ranch Point; remainder rolling top of mesa; general exposure and drainage SW and S.

Soil, rocky with considerable sandstone bedrock outcrops, and shallow, loose sandy loam; some clay and shale on eastern portion.

Timber, medium dense and scattered scrub cedar and pinon.

Undergrowth, scattered sage and service brush.

Poor grazing land.

West, bet. secs. 5 and 32.

Over rolling mesa land, gentle S. slope, over numerous small washes draining S. to SW., through dense timber and scattered undergrowth.

31.00 Begin gentle descent over W. slope towards rim of canyon, bears N. and S.

40.00 On gentle W. slope.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked

Chains

$\frac{1}{4}$ $\frac{S32}{S5}$

1919

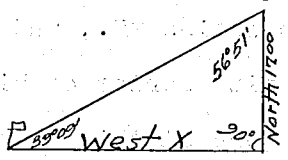
from which

A pinon, 10 ins.diam.,bears N.76¾°E., 120 lks. dist.,marked ¼ S32 BT
A pinon, 8 ins.diam.,bears S.62¾°E., 116 lks. dist.,marked ¼ S5 BT

41.93 E. rim of box canyon, about 600 ft. deep, rimmed with high, vertical sandstone walls, course S. Several small Cliffdwellers' houses are located on a shelf about 100 ft. below top, under this point, apparently inaccessible, and were seen from the opposite rim.

As it is impossible to chain across canyon, triangulate as follows:

Set a flag, West on opposite rim, then, measure a base line, North, 17.00 chs. dist. to point whence flag subtends angle of 56°51'; from flag on W. rim, the N. and S. ends of base subtends angle of 33°09'.



Triangulated distance = 26.03 chs.

67.96 W. rim of canyon, bears N. and S.; slight ascent E. slope through dense timber.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 5-6-31 and 32, with brass cap marked

T36S	R20E
S31	S32
S6	S5

T37S
1919

from which

A pinon, 8 ins.diam.,bears N.80½°E., 97 lks. dist.,marked T36S R20E S32 BT
A cedar, 8 ins.diam.,bears S.81°E., 83 lks. dist.,marked T37S R20E S5 BT
A pinon, 8 ins.diam.,bears S.27°W., 79 lks. dist.,marked T37S R20E S6 BT
A pinon, 6 ins.diam.,bears N.64¼°W., 53 lks. dist.,marked T36S R20E S31 BT

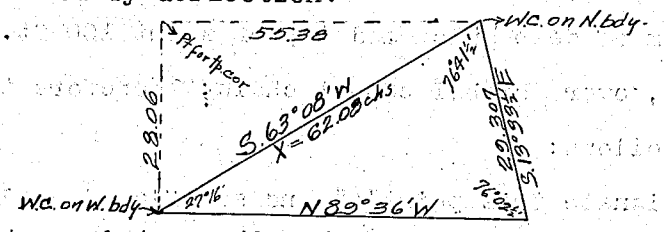
Chains	
	Land, rolling mesa, having a southern exposure and drainage; cut by deep box canyon, which boxes about ¼ mile N. of line, and drains S. into Arch Canyon.
	Soil, shallow sandy loam, and outcrops of sandstone bedrock.
	Timber, dense cedar and pinon.
	Undergrowth, scattered sagebrush.
	Fair grazing on portions of mile.

	West, bet. secs. 6 and 31.
	Over rolling mesa land, through medium dense cedar and pinon, considerable sagebrush; gently asc. E. slope.
7.10	Enter sagebrush opening, bears NW. and SE.
18.00	Leave opening, re-enter dense timber, bears W. and SE.
21.79	Left rim of Arch Canyon, 100 ft. above sec. cor., bears NW., and S. to SE.
	Impossible to continue line further on account of Arch Canyon, which drains SE., and is from 800 to 1000 ft. deep, rimmed with series of high vertical sandstone ledges; therefore at this point
21.79	Set a sandstone, 8x10x30 ins., 5 ins. in ground to bedrock and in a large mound of stone, for witness cor. to cor. of Ts. 36 and 37 S., Rs. 19 and 20 E., marked with WC on W. face, with 6 notches on N, S, E, and W. edges, from which
	A pinon, 7 ins.diam.,bears N.25½°E., 107 lks. dist.,marked T36S R20E S31 WC BT A pinon, 12 ins.diam.,bears S.64¾°E., 140 lks. dist.,marked WC T37S R20E S6 BT
	No other suitable trees within limits.
	The cor. stands back 1 ch. dist. from the very edge on safe ground.
	To determine the distance to point of intersection of north bdy. with the west bdy., I triangulate between this witness cor. and the witness tp. cor. on W. bdy. of tp., set at 53.62 chs. bet. secs. 1 and 6.; proceed as follows:

North Boundary of T. 37 S., R. 20 E.

Chains

From this cor. the W.C. on W. bdy., bears S.63°08' W.; thence measure a base line, S.13° 33½' E., 29.307 chs. dist. to point whence the W. C. on W. bdy. bears N. 89° 36' W.;(unable to obtain longer base) all angles checked by deflection:



Distance between the witness corners = 62.08 chs. on course of S.63°08'W. Gives westing of 55.38 chs. and southing of 28.06 chs.; therefore

77.17 Intersect W. bdy. of tp.

Land, rolling top of mesa, gentle SE. slope and drainage.

Soil, sandy loam, with sandstone bedrock on W. end.

Timber, medium dense cedar and pinon, on portions of the mile.

Undergrowth, sagebrush.

Note: No iron post was available for use at this W.C.

Subdivision of T. 37 S.,R. 20 E.

From the witness cor. to cor. secs. 1-2-35 and 36 on S. bdy. of tp., which is 4.97 chs. dist. E. of true point, on rim of canyon, heretofore described; thence

N. 0°01' W., on offset line, bet. secs. 35 and 36, for 6.98 chs., thence

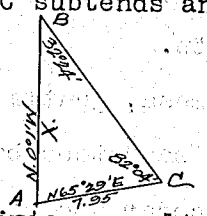
West, 4.97 chs. to true line, where at

6.98 Set a sandstone, 22x14x7 ins.,(no iron post available) in a large mound of stone, on bedrock, for witness cor. to secs. 1-2-35 and 36, marked 1 notch on E., 5 notches on W. and 6 notches on N. edge, with WC on top, from which

A cedar, 6 ins.diam.,bears N.7°E., 55 lks. dist.,marked WC T37S R20E S36 BT
A pinon, 8 ins.diam.,bears S.72¾°W., 119 lks. dist.,marked WC T37S R20E S35 BT

Cor. stands on rim of canyon, bears SE. and S.70°W.

Chains	
	Thence, N. 0°01' W., on true line.
	Over low rolling mesa top, rough surface of considerable bedrock, through medium dense short, scrubby cedar and pinon, and very little undergrowth; slight E. slope.
24.00	Enter more bedrock and less heavy timber, bears NW & SE.
31.59	S. rim of deep gulch and top of about 100 ft. vertical wall, over which I cannot chain; therefore triangulate as follows:
	I designate this point "A" and set flag B on line, on opposite rim, then, measure base AC N.65°29'E., 7.95 chs. to point whence B subtends angle of 82°04'. From B. the base AC subtends angle of 32°24'.



	Triangulated distance = 14.70 chs.
40.00	True point for ¼ sec. cor. falls near bottom of deep, box gulch, about 200 ft. deep, with nearly vertical walls, 100 ft. high, drains S.85°E. No cor. set here.
46.29	To triangulated point on N. rim, bearing N.80°E., and SW. for 3chs. thence to NW., at this point
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for witness cor. to the ¼ sec. cor., with brass cap marked

¼

S35 | S36

W C

19191

from which

A pinon, 5 ins.diam., bears N.50°E., 29 lks. dist., marked WC ¼ S36 BT

A pinon, 6 ins.diam., bears N.35°W., 67 lks. dist., marked WC ¼ S35 BT

62.60	Depression, 15 ft. deep, drains SE.; enter heavier timber, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, on bedrock, for cor. secs. 25-26-35 and 36, with brass cap marked

Subdivision of T. 37 S., R. 20 E.

Chains

T37S	R20E
S26	S25
S35	S36

1919

from which

A pinon, 5 ins.diam.,bears N.56½°E., 31 lks. dist.,marked T37S R20E S25 BT
A cedar, 8 ins.diam.,bears S.51°E., 49 lks. dist.,marked T37S R20E S36 BT
A pinon, 8 ins.diam.,bears S.47¼°W., 53 lks. dist.,marked T37S R20E S35 BT
A pinon, 6 ins.diam.,bears N.62½°W., 43 lks. dist.,marked T37S R20E S26 BT

Cor. stands on right brink of impassable box gulch, draining southeasterly; brink bears N.70°W. and S.70°E.

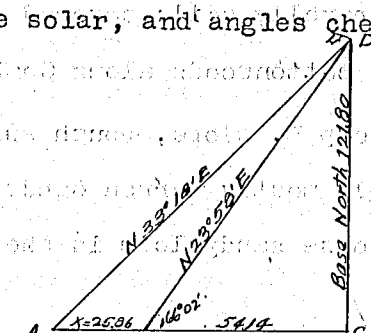
Land, rolling top of mesa, rough surface, cut by numerous small washes and a large box gulch, draining E. into Comb Wash.

Soil, mostly solid sandstone bedrock, with covering of shallow, loose sandy loam in places.

Timber, medium dense and scattered scrub cedar and pinon. No undergrowth. No grazing.

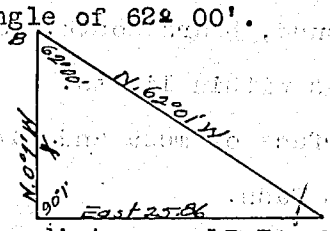
The line to the East passes across a deep box gulch, over which I cannot chain, and there being no suitable place for a base on either side of same, on account of the peculiar lay of the ground and dense timber, therefore triangulate the entire mile bet. secs. 25 and 36, and also the dist. across gulch as follows:

I designate this sec. cor. "A", set flag "B" E. on opposite brink of the gulch, and flag "C" east, 7 lks. S. of cor. secs. 25-30-31 & 36, which is visible; then, sight to auxiliary flag "D" on E. bdy. at 41.73 chs. N. bet. secs. 19 & 24, which bears N. 33°18' E. From "B" auxiliary flag "D" bears N. 23°58' E.; bearings checked by direct reading of the solar, and angles checked by deflection.



Chains	
	Distance AB across gulch = 25.86 chs., and length of mile AC = 80.00 chs.
80.00	Intersect E. bdy. of tp., 7 lks. S. of cor. secs. 25-30-31 and 36, heretofore described; thence S. 89°57'W., on true line, bet. secs. 25 and 36.(chaining) Gradually desc. over valley land, through sagebrush.
10.00	Comb Wash, 1 ch. wide, 5 ft. deep, with small stream, 5 lks. wide, 3 ins. deep in same, course SE.; thence gradually asc. rolling valley land, 75 ft. to
34.00	Leave valley, enter mountainous land and rocky soil, with scattered timber, bears N. and S.; asc. E. slope.
40.00	True point for ¼ sec. cor. falls on a steep, barren rock slope where cor. cannot be set, therefore at
40.25	On E. slope, 155 ft. above wash. Set an iron post, 3 ft. long, 1 in. dia., 28 ins. in a large mound of stone, on bedrock, for witness cor. to ¼ sec. cor., with brass cap marked
	¼ S25/S36 WC 1919
	from which
	A pinon, 8 ins.diam.,bears N.55½°E., 196 lks. dist., marked WC ¼ S25 BT A pinon, 6 ins.diam.,bears S.45¾°E., 67 lks. dist.,marked WC ¼ S36 BT
54.14	Top of ascent on left brink of gulch, 165 ft. above ¼ cor., bears NW. and SE., and triangulation flag. Thence by triangulation across box gulch, about 300 ft. deep, rimmed with high vertical walls, drains SE to E.
80.00	The cor. of secs. 25-26-35 and 36. Land, rolling valley on E. 34 chs.; deep, loose sandy loam and gravelly soil; covered with fair growth of sagebrush; cottonwoods along Comb Wash; remainder of mile is steep E. slope, rough surface, cut by deep box gulch; soil, mostly barren sandstone bedrock, with shallow, loose sandy loam in sheltered places.

Chains	
	Timber, scattered to dense short, scrubby cedar and pinon. Very little undergrowth of sagebrush. Poor grazing.
	N. 0°01' W., bet. secs. 25 and 26.
	The line N. passes over deep, box gulch, across which I cannot chain; triangulate as follows:
	Set flag B on line on N. rim of gulch; use flag set East, 25.86 chs. from sec. cor. for base; from which the flag on N. rim bears N.62°01'W. From B the base AC subtends angle of 62° 00'.



	Triangulation distnce = 13.74 chs.
13.74	N. rim of box gulch, 300 ft. deep, rimmed with high vertical walls, course SE.; rim bears N.70°E. to SE., and N.80°W.; thence over rolling mesa, through medium dense timber.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked

¼

S26 | S25

1919

from which

A pinon, 10 ins.diam.,bears S.57½°E., 87 lks. dist.,marked ¼ S25 BT
A pinon, 6 ins.diam.,bears N.72°W., 92 lks. dist.,marked ¼ S26 BT

	Note: A huge rock on mesa, bears N.71°E., approximatly 20 chs. dist.
46.45	Ravine, 90 ft. deep, course S.80°E, trail in ravine.
57.24	S. brink of Arch Canyon, bears W. and S.80°E.; leave flag for future reference; desc. abruptly over broken ledges.
73.60	Stream, 8 lks. wide, 2 ins. deep, good water, in bottom of Arch Canyon, course S.60°E.; 380 ft. below rim;
	Asc. S. slope over boulders, 100 ft. to

Chains

80.00 On S. edge, near wall of canyon, among boulders.
Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, on bedrock, for cor. secs. 23-24-25 and 26, with brass cap marked

T37S	R20E
S23	S24
S26	S25

1919

from which

A cross X B O, cut on N. face of huge boulder, 4 ft. above ground, bears South, 25 lks. dist.

No suitable trees within limits.

Land, broken surface of mesa and canyon slopes; slopes E. towards Comb Wash.

Soil, mostly barren sandstone bedrock, with shallow, loose sandy loam in places; ledges and boulders on canyon clopes:

Timber, medium dense to scattered scrub cedar and pinon.

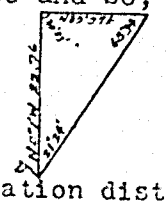
Undergrowth, very scattered sagebrush.

Poor grazing land.

N. 89°57' E., on random line, bet. secs. 24 and 25.

As the line to E. passes over wall of canyon, over which I cannot chain; triangulate as follows:

Set flag on line to E. on top of canyon rim; from this flag the auxiliary flag left on line at 57.24 chs. bet. secs. 25 and 26, subtends angle of 68°34'.



Triangulation distance = 8.92 chs:

8.92 To flag on rim; thence by chaining.

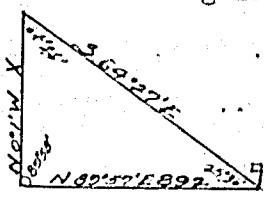
40.00 Set temp. ¼ sec. cor.

80.00 Intersect E. bdy. of tp., 12 lks. S. of cor. secs. 19-24-25 and 30, heretofore described; thence

S. 89°52' W., on true line, bet. secs. 24 and 25.

Chains	
	Gradually descending over rolling valley land; facing W., through medium dense cedar and pinon, considerable sagebrush.
4.50	Leave all timber, bears N. and S.
22.50	Comb Wash; dry, 1 ch. wide, 5 ft. deep, 80 ft. below sec. cor., course S.; thence gradually asc. E. slope.
32.50	Trail, course S.
40.00	On a slight E. slope, 30 ft. above wash.
	Set an iron post, 3 ft. long, 1 in .dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S24 / S25 1919
	from which
	A cedar, 6 ins.diam.,bears S. 60 ° W., 253 lks. dist.,marked ¼ S25 BT
	A cedar, 14 ins.diam.,bears N.45°W., 328 lks. dist.,marked ¼ S24 BT
48.00	Leave valley, enter mountainousland,medium dense timber, bears N.10°W. and S.30°E.; asc. broken E. slope over nearly solid bedrock.
71.08	Top of ascent on left rim of Arch Canyon, 390 ft. above ¼ cor., bears NW. and S. for 3 chs. thence to E.; thence by triangulation; desc. abruptly over ledges.
75.00	Base of ledges, 250 ft. below top, bears NW. and S. to SE; continue descent over boulders to
80.00	The cor. of secs. 23-24-25 and 26.
	E. 48 chs. is rolling valley land, with E. and W. slopes into Comb Wash, which drains S.; remainder of mile is mountainous, general E. slope.
	Soil, on valley is deep, loose sandy loam; on remaider is rocky, mostly sandstone bedrock, with some loose sandy loam.
	Timber, medium dense scrub cedar and pinon, on portions of the mile.
	Undergrowth, sagebrush.
	Fair grazing land on the valley.

Subdivision of T. 37 S., R. 20 E.

Chains	
	N. 0°01' W., bet. secs. 23 and 24.
	The line to the N. ascends abruptly over canyon rim, up which I cannot chain; therefore triangulate as follows: Set flag on line at top of rim; from this flag the auxiliary flag, N.89°57'E., 8.92 chs. from sec. cor, bears S.64°27'E. From auxiliary flag, the angle bet. sec. cor. and N. flag is 25°36'.
	
	Triangulation distance = 4.27 chs.
4.27	Left rim of Arch Canyon, 280 ft. above sec. cor., bears N.70°W. and S.70°E.; thence over broken top of mesa facing E., through medium dense short, scrubby timber; gradually descending.
31.70	Bottom of narrow, rocky gully, 100 ft. deep, course E.
40.00	On slight NE. slope, 125 ft. below rim of canyon. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked
	¼ S23 | S24 1919
	from which
	A pinon, 5 ins. diam., bears S.66½°E., 177 lks. dist., marked ¼ S24 BT A pinon, 5 ins. diam., bears S.48½°W., 49 lks. dist., marked ¼ S23 BT
	Continue gradual descent over land facing nearly E., broken, rocky surface.
51.10	Gully, 85 ft. deep, course E.
64.60	Gully, 50 ft. deep, very small seep in same, good water, course E.
66.80	Gully, 60 ft. deep, with very small seep in same, 170 ft. below ¼ cor. and near base of descent, course E.; thence along a slight E. slope.
74.25	Leave bedrock and enter heavier timber, bears NW. and SE.

Chains	
80.00	On nearly level ground, near base of mountainous land. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 13-14-23 and 24, with brass cap marked

T37S	R20E
S14	S13
S23	S24

1919

from which

A cedar, 8 ins.diam., bears N.52°E., 173 lks. dist., marked T37S R20E S13 BT
A pinon, 10 ins.diam., bears S.9°E., 65 lks. dist., marked T37S R20E S24 BT
A pinon, 8 ins.diam., bears S.56°W., 73 lks. dist., marked T37S R20E S23 BT
A pinon, 9 ins.diam., bears N.65½°W., 113 lks. dist., marked T37S R20E S14 BT

Land, broken mesa facing E. and NE towards Comb Wash, excepting on S. 4¼ chs. which is abrupt slope of Arch Canyon.

Timber, medium dense to scattered scrub cedar and pinon, on the mile.

Undergrowth, very little sagebrush. Poor grazing land.

Soil, mostly sandstone bedrock, with shallow, loose sandy loam; deep sandy loam on extreme N. end of mile.

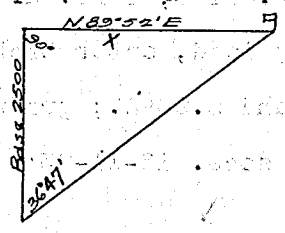
N.89°52' E., on random line, bet. secs. 13 and 24.

40.00 Set temp. ¼ sec. cor.

Ahead on line about 15 chs. dist. is base of high sandstone break or The Comb, up which it is impossible to chain, and this being the most suitable place to obtain a base; triangulate as follows:

Set a flag on line to E. on top of break, then, turn angle of 90°00' towards the S. and measure base of 25.00 chs. to point whence flag on top subtends angle of 52°13'.

From the flag on top the N. and S. ends of base subtends angle of 36°47'.



Triangulation distance = 32.25 chs.

Chains	
72.25	To p of The Comb and triangulation point.
79.98	Intersect E. bdy. of tp., 5 lks. S. of cor. secs. 13-18-19 and 24, heretofore described; thence S. 89°50' W., on true line, bet. secs. 13 and 24. Over nearly level top of mesa, through medium dense timber, very little undergrowth.
7.73	Triangulation point on edge of The Comb, a vertical red sandstone wall about 600 ft. high, bears N.10°W. and S.10°E.; thence by triangulation, approximate topography as follows: Abrupt descent W. face of wall.
10.00	Base of wall and ledges, thence steep descent over boulders and rough slope of break.
25.00	Base of break, enter valley land and scattered cedar and pinon, considerable sagebrush, bears N. and S.10°E.; gently desc.
32.00	Wash, 40 lks. wide, 6 ft. deep, course S.70°W., from NE.
39.99	On a slight S. slope, 720 ft. below top of The Comb. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S13 / S24 1919 from which A cedar, 8 ins.diam.,bears S.14½°E., 323 lks. dist.,marked ¼ S24 BT A cedar, 5 ins.diam.,bears N.31°W., 280 lks. dist., marked ¼ S13 BT Continue over gently rolling valley land, facing SW., through dense sagebrush, few scattered trees.
42.30	Trail, bears N. and S.
47.50	Comb Wash, 40 lks. wide, 4 ft. deep, dry, course S.20°W.
62.00	Wash, 20 lks. wide, 4 ft. deep, course S.20°E.
67.00	Leave valley land, enter broken land and dense timber, bears NW. and S.20°E.; gradually asc.
79.98	The cor. of secs. 13-14-23 and 24.

Chains	
	E. 7.73 chs. is gently rolling top of mesa, lying on top of The Comb Reef, extending about N. and S. and is 700 ft. high; soil is mostly sandstone bedrock, with shallow sand and sandy loam: next 17 chs. is abrupt W. face of the reef, consists of high vertical wall, ledges and boulders; remainder of mile is gently rolling valley, general SW. and SE. exposure into Comb Wash, which drains about S.
	Timber, scrub cedar and pinon, on portions of the mile.
	Undergrowth, dense sagebrush on the valley.
	Good grazing land in valley.

	N. 0°01' W., bet. secs. 13 and 14.
	Over rolling land, through dense timber, scattered undergrowth; gentle E. slope.
2.70	Ravine, 25 ft. deep, course E.
11.60	Leave dense, enter scattered timber, and heavier sagebrush and scattered oak brush.
13.30	Pass through dense clump of oak brush, 20 ft. high, 2 chs. in dia.
13.35	Wash, 15 lks. wide, 2 ft. deep, course SE.
28.70	Wash, 30 lks. wide, 2 ft. deep, course SE.
40.00	In W. edge of bottom land of Comb Wash.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S14 | S13 1919
	from which
	A cedar, 12 ins. diam., bears N. 61½°E., 180 lks. dist., marked ¼ S13 BT A cedar, 5 ins. diam., bears S. 26°W., 113 lks. dist., marked ¼ S14 BT
46.10	Comb Wash, 1 ch. wide, 3 ft. deep, dry, course SE. to S. thence over rolling land facing SW.; through scattered clumps of dense timber.
78.60	Trail, bears N. 10°W. and S. 10°E.

Subdivision of T. 37 S., R. 20 E.

Chains	
80.00	On nearly level gound, 5 lks. E. of trail, in dense timber Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 11-12-13 and 14, with brass cap marked

T37S	R20E
S11	S12
S14	S13

1919

from which

A cedar, 10 ins.diam.,bears N.39½°E., 42 lks. dist.,marked T37S R20E S12 BT
A cedar, 6 ins.diam.,bears S.89°E., 90 lks. dist.,marked T37S R20E S13 BT
A cedar, 14 ins.diam.,bears S.19¼°W., 21 lks. dist.,marked T37S R20E S14 BT
A cedar, 18 ins.diam.,bears N.43°W., 50 lks. dist.,marked T37S R20E S11 BT

Land, rolling valley, general exposure to E. and SW. into Comb Wash, which drains about S.

Soil, a deep, fine, reddish sandy loam, mixed with some gravel and some loose rock.

Timber, considerable cedar and pinon, on greater portions of the mile.

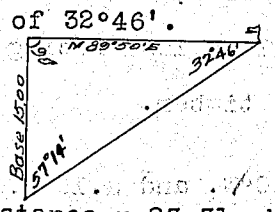
Undergrowth, medium growth of sagebrush, scattered clumps of oak brush.

Good grazing land.

N. 89°50' E., on random line, bet. secs. 12 and 13.

10.00 Point of triangulation. The line to the E. ascends abruptly over high sandstone reef, up which I cannot chain, and this being the most suitable place for a base, I triangulate as follows:

Set a flag on line at top of reef, then turn an angle of 90°00' towards the S. and measure a base, 15.00 chs. dist. to point whence the flag on top subtends an angle of 57°14'. From flag on top, N. and S. ends of base subtends angle of 32°46'.



Triangulated distance = 23.31 chs.

Chains	
33.31	To triangulation point on top of The Comb reef.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect E. bdy. of tp., 14 lks. N. of cor. secs. 7-12-13 and 18, heretofore described; thence S. 89°56' W., on true line, bet. secs. 12 and 13. Over rolling top of mesa, through medium dense timber and very scattered undergrowth.
1.70	Top of rolling ridge, bears N. and S.; desc. gradually W. slope.
22.50	Dim old road, bears N.20°W. and S.20°E.
23.00	Shallow ravine in solid bedrock, and base of descent, 130 ft. below ridge, course S.; gradually asc. E. slope, over considerable barren sandstone.
40.03	On E. slope, 170 ft. above ravine. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked ¼ S12 / S13 1919 from which A pinon, 8 ins. diam., bears S. 2¾°E., 15 lks. dist., marked ¼ S13 BT A cedar, 8 ins. diam., bears N. 17¼°W., 35 lks. dist., marked ¼ S12 BT Continue gradual ascent E. slope, 60 ft. to
46.75	Triangulation point on top of The Comb Reef, a vertical red sandstone wall, about 500 ft. high, bears N.10°W. and S.10°E.; thence abrupt descent W. face of wall and break, 700 ft. to
63.00	(approximately) Base of sandstone beef, bears N. and S., thence over rolling land facing W.
80.06	The cor. of secs. 11-12-13 and 14. E. 46¾ chs. is rolling top of mesa, with gradual E. and W. exposures, and draining S.; shallow, loose sandy loam, with considerable barren sandstone bedrock outcrops.

Chains	
	Next 16¼ chs. is abrupt W. face of sandstone reef or break, 700 ft. high; and remainder of mile is rolling land, lying in Comb Wash valley.
	Timber, medium dense scrub cedar and pinon, on mile.
	Undergrowth, scattered sagebrush.
	Poor grazing land, on greater portions of mile.

	N. 0°01' W., bet. secs. 11 and 12.
	Over rolling land facing W., through medium dense timber, and scattered undergrowth; slightly ascending.
25.00	Thence over more broken land, cut by numerous small washes and low spurs, putting W., through more scattered timber, bears E. and W.
40.00	On the N. side of a small wash, course W., and 50 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S11 | S12

1919

from which

A cedar, 18 ins.diam.,bears N. 49°E., 86 lks. dist.,marked ¼ S12 BT
A cedar, 6 ins.diam.,bears N. 13½°W., 157 lks. dist.,marked ¼ S11 BT

80.00	True point for secx. cor. falls in bottom of small wash, 40 lks. wide, 4 ft. deep, course SW., where cor. cannot be perpetuated; therefore at
81.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for witness cor. to cor. secs. 1-2-11 and 12, with brass cap marked

T37S	R20E
S2	S1
S11	S12

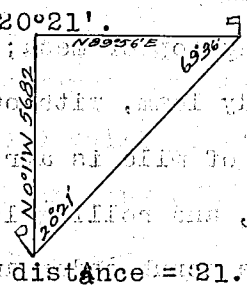
W C

1919

from which

A cedar, 10 ins.diam.,bears N.43°E., 78 lks. dist.,marked WC T37S R20E S1 BT

Chains	
	A pinon, 7 ins.diam., bears S.55¾°E., 49 lks. dist., marked WC T37S R20E S1 BT A pinon, 7 ins.diam., bears S.6¾°W., 120 lks. dist., marked WC T37S R20E S11 BT A cedar, 24 ins.diam., bears N.34°W., 65 lks. dist., marked WC T37S R20E S2 BT
	Land, rolling and low broken facing W., and draining W. into Comb Wash.
	Soil, shallow, loose sandy loam, gravelly and blue clay, mixed with shale and scattered sandrock.
	Timber, medium dense to scattered scrub cedar and pinon.
	Undergrowth, scattered sagebrush, some service brush.
	Fair grazing land.

	N. 89°56' E., on random line, bet. secs. 1 and 12, from true cor. point.
	The line E. passes over the Comb Reef, up which I cannot chain, and this being the most suitable place for a base, I triangulate as follows:
	Set a flag on line at top of reef, then, from said flag auxiliary flag on line bet. secs. 11 and 12, at 23.18 chs., subtends angle of 69°36'. The third angle by computing = 20°21'.
	
	Triangulation distance = 21.08 chs.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect E. bdy. of tp., 5 lks. S. of cor. secs. 1-6-7 and 12, heretofore described; thence
	S. 89°54' W., on true line, bet. secs. 1 and 12.
	Over rolling land, through medium dense timber and scattered undergrowth; gradually asc. NE. slope, 50 ft.
10.00	Ridge, bears N. and S.10°E.; gently desc. W. slope.
19.85	Dim old road, bears NE. and SW.
24.80	Swale, near head, 35 ft. below ridge, drains S.30°W.; gently asc. SE. slope, 25 ft. to

Chains	
36.20	Top of ascent on S. slope of raise, ascends to N.; desc. 15 ft. to
40.01	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S1 / S12 1919 from which A pinon, 6 ins.diam.,bears S.5° E., 10 lks. dist.,marked ¼ S12 BT A cedar, 5 ins.diam.,bears N.31°W., 18 lks. dist.,marked ¼ S1 BT
46.00	Swale, 20 ft. below ¼ cor., course S.; gently asc. 25 ft. to
58.94	Point of triangulation on top of 300 ft. vertical wall, edge of The Comb reef, bears N. and S.; thence by triangulation; abrupt descent W. face of break of reef.
70.00	Base of break, 450 ft. below top, bears N.10°W. and S.10°E. thence over rolling W. slope.
80.02	The true point for cor. secs. 1-2-11 and 12, 500 ft. below top of The Comb.
	E. 59 chs. is rolling top of mesa; drainage to S.; soil, shallow, loose sandy loam, with outcrops of sandstone bedrock: remainder of mile is abrupt W. face of reef, about 500 ft. high, and rolling land at foot of same.
	Timber, medium dense scrub cedar and pinon, on mile.
	Undergrowth, scattered sagebrush.
	From true point for cor. to secs. 1,2,11, and 12 N. 0°01' W., on random line, bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect N. bdy. of tp., 9 lks. W. of cor. secs. 1-2-35 and 36, heretofore described; thence S. 0°03' W., on true line, bet. secs. 1 and 2.
	Over rolling and broken land, facing about W.; through medium dense timber and very scattered undergrowth; descending over series of small spurs and draws, putting W. into a canyon, draining S.

Chains	
35.50	Ravine, 360 ft. below sec. cor., course S.80°W.; asc. 60 ft. to
38.50	Top of ascent from ravine; thence over slight S. slope.
40.18	Set an iron post, 3 ft. long, 1 in. dia., 10 ins. in ground to bedrock, and in a mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S2 | S1 1919
	from which
	A pinon, 8 ins.diam., bears N.36½°E., 50 lks. dist., marked ¼ S1 BT A pinon, 10 ins.diam., bears N.60°W., 19 lks. dist., marked ¼ S2 BT
	Gradually descend S. slope.
51.00	Trial, bears N.10°W. and S.10°E.
59.00	S. end of a sandstone reef, facing W., bears N.10°W.; descend SW. slope, 85 ft. to
67.60	Ravine, 160 ft. below ¼ cor., course SW.; trail crosses here, bears NE. and SW.; small seep bears NE. about 3 chs. dist.; thence along a broken W. slope.
79.18	The witness cor.
80.18	True point for cor. secs. 1-2-11 and 12.
	Land, broken and rolling, lying along foot of the Comb Reef, which bears about N. and S.; drains W. to SW. into Comb Wash.
	Soil, rocky in form of boulders and outcrops of sandstone and shallow sandy clay loam.
	Timber, medium dense to scattered scrub cedar and pinon.
	Undergrowth, sage, service and few scattered oak brush.
	Fair grazing land.

	From the cor. of secs. 2-3-34 and 35 on S. bdy. of tp., heretofore described.
	N. 0°01' W., bet. secs. 34 and 35.
	Over rolling top of mesa, slight general SE. exposure, through dense timber, very scattered undergrowth.

Subdivision of T. 37 S., R. 20 E.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S34 | S35 1919 from which A pinon, 6 ins.diam.,bears S.74°E., 63 lks. dist.,marked ¼ S35 BT A cedar, 12 ins.diam.,bears N.62¼°W., 43 lks. dist.,marked ¼ S34 BT
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 14 ins. in ground to bedrock, and in a mound of stone, for cor. secs. 26-27-34 and 35, with brass cap marked T37S | R20E S27 | S26 S34 | S35 1919 from which A cedar, 6 ins.diam.,bears N.32½°E., 75 lks. dist.,marked T37S R20E S26 BT A cedar, 5 ins.diam.,bears S.23½°E., 62 lks. dist.,marked T37S R20E S35 BT A cedar, 10 ins.diam.,bears S.78¼°W., 28 lks. dist.,marked T37S R20E S34 BT A cedar, 8 ins.diam.,bears N.14½°W., 45 lks. dist.,marked T37S R20E S27 BT Land, rolling mesa, having a slight SE. exposure and drainage. Soil, considerable sandstone bedrock outcrops, with shallow, loose sandy loam and gravel. Timber, dense cedar and pinon, on mile. Undergrowth, very scattered sage and service brush. Poor grazing land. ----------
	East, on random line, bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.05	Intersect N. and S. line, 5 lks. N. of cor. secs. 25-26-35 and 36; thence N. 89°58' W., on true line, bet. secs. 26 and 35. Over rolling mesa, having a general E. to SE. exposure, through dense timber and very scattered undergrowth.

Chains	
18.00	Top of raise, 80 ft. above sec. cor., bears NW. and SE. Gently descend 35 ft. to
28.00	Ravine, course SE.; gently asc. 45 ft. to
40.02½	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked ¼ S26 / S35 1919 from which A pinon, 10 ins.diam.,bears S.59½°W., 99 lks. dist.,marked ¼ S35 BT A pinon, 6 ins.diam.,bears N.61¼°W., 37 lks. dist.,marked ¼ S26 BT
80.05	The cor. of secs. 26-27-34 and 35, 120 ft. above ¼ cor. Land, rolling mesa having a general E. exposure and drainage; cut by numerous small washes and depressions. Soil, considerable sandstone bedrock outcrops, with shallow, loose reddish sandy loam. Timber, dense scrub cedar and pinon, on mile. Undergrowth, scattered sagebrush. Poor grazing land.

	N. 0°01' W., bet. secs. 26 and 27. Over rolling mesa, through dense timber and scattered undergrowth.
20.55	Ravine, 55 ft. deep, course E.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S27 | S26 1919 from which A cedar, 14 ins.diam.,bears S.85¼°E., 32 lks. dist.,marked ¼ S26 BT A cedar, 6 ins.diam.,bears N.76½°W., 22 lks. dist.,marked ¼ S27 BT
57.50	Trail, bears E. and W.
73.64	S. brink of Arch Canyon and top of 150 ft. vertical wall, bears E. and W.; impossible to continue to true cor. point; therefore at this point,

Subdivision of T. 37 S., R. 20 E.

Chains	
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, on bedrock, for witness cor. to cor. secs. 22-23-26 and 27, with brass cap marked

WC
T37S | R20E
S22 | S23
S27 | S26
1919

from which

A pinon, 10 ins.diam.,bears S.57¾°E., 45 lks. dist.,marked WC T37S R20E S26 BT
A pinon, 12 ins.diam.,bears S.41½°W., 87 lks. dist.,marked WC T37S R20E S27 BT

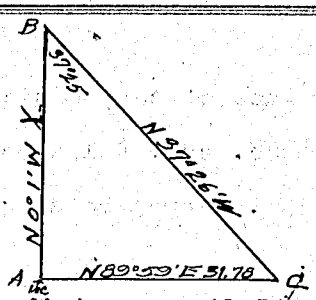
80.00	True cor. point is inaccessible and falls on abrupt, ledgy N. face of canyon slope.
	Land, rolling mesa, cut by several small depressions and washes; having an easterly exposure and drainage.
	Soil, considerable sandstone bedrock outcrops, with shallow, loose sandy loam.
	Timber, dense scrub cedar and pinon.
	Undergrowth, scattered sagebrush. Poor grazing land.

	S. 89°58' E., on random line, bet. secs. 23 and 26.
	It being impossible to run E. from the true cor. point, therefore from the W. C., which is 6.36 chs. S. of true cor. point
	S. 89°58' E., on offset line, 40.00 chs.; thence
	North, 6.36 chs. to true random line.
40.00	Set temp. ¼ sec. cor.; thence S.89°58'E.
80.10	Intersect N. and S. line, 2 lks. N. of cor. secs. 23-24-25 and 26; thence
	N. 89°57' W., on true line, bet. secs. 23 and 26.
	Over rough, broken S. slope of Arch Canyon, near bottom, through scattered timber and undergrowth; descending along a S. slope, 60 ft. to
17.00	Bottom of Arch Canyon,and stream, 8 lks. wide, 3 ins. deep, course S.70°E., from S.80°W.
33.00	Same, course S.70°E.; leave bottom and begin ascent over

Chains	
	rough, ledgy N. face of canyon slope, 100 ft. to
40.05	True point for ¼ sec. cor. falls on a barren rock or ledge slope, where a cor. cannot be set; therefore at a point, North, 2.68 chs.
	Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bedrock, and in a mound of stone, for witness cor. to ¼ sec. cor., with brass cap marked
	¼ S23 / S26 1919 W C
	raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. No suitable bearing trees within limits.
	From true cor. point,
	South, 6.36 chs.; thence
	N.89°57'W., on offset line, along top of mesa, near brink of canyon, through dense timber.
80.10	The witness cor. of secs. 22-23-26 and 27.
	Land, broken slopes of Arch Canyon, which is about 700 ft. deep, and drains about E.; W. ½ mile is rolling mesa lying along the S. brink of canyon.
	Timber, scattered and medium dense cedar and pinon.
	Undergrowth, scattered sagebrush.
	Poor grazing land.

	N. 0°01' W., bet. secs. 22 and 23, from the witness cor. which is 6.36 chs. S. of true point.
	The line to the N. passes across Arch Canyon, about 600 to 700 ft. deep, rimmed with high vertical sandstone walls and ledges, over which I cannot chain; therefore I triangulate as follows:
	I designate this W.C. "A" and set flag "B" on line on opposite brink of canyon, then measure a base "AC" N.89°59'E., 31.78 chs. dist. to point whence "B" bears N.37°26' W. From "B" base AC subtends angle of 37°25'.
	All bearing checked by direct reading of the solar, and all angles checked by deflection.

Chains



Triangulation distance = 41.54 chs. minus 6.36 chs. =

35.18 Counting dist. from true cor. point.

N. brink of Arch Canyon, bears N.80°W. and E.; thence over broken, rocky top of mesa, through dense timber and scattered undergrowth; gradually ascending.

40.00 On a S. slope, 50 ft. above brink of canyon.

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked

¼
S22 S23
1919

from which

A pinon, 6 ins. diam., bears S.24°E., 47 lks. dist., marked ¼ S23 BT
A pinon, 7 ins. diam., bears N.65°W., 26 lks. dist., marked ¼ S22 BT

80.00 On slight SE. slope, 90 ft. above ¼ cor.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, on bedrock, for cor. secs. 14-15-22 and 23, with brass cap marked

T37S	R20E
S15	S14
S22	S23

1919

from which

A pinon, 8 ins. diam., bears N.66¾°E., 241 lks. dist., marked T37S R20E S14 BT
A pinon, 10 ins. diam., bears S.61½°E., 122 lks. dist., marked T37S R20E S23 BT
A pinon, 6 ins. diam., bears S.58¾°W., 72 lks. dist., marked T37S R20E S22 BT
A pinon, 6 ins. diam., bears N.23°W., 51 lks. dist., marked T37S R20E S15 BT

Land, on S. 35 chs. is abrupt slopes of Arch Canyon, which drains about S.70°E.; remainder of mile is rolling and broken top of mesa, having a general S. and SE. slope and drainage.

Chains	
	Soil, rocky in form of sandstone outcrops, with shallow loose sandy loam.
	Timber, scattered to dense scrub cedar and pinon.
	Undergrowth, scattered sagebrush. poor grazing land.

	S. 89°57' E., on random line, bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line, 2 lks. N. of cor. secs. 13.-14-23 and 24; thence
	N. 89°56' W., on true line, bet. secs. 14 and 23.
	Over broken and mountainous land, through medium dense timber and scattered undergrowth.
6.00	Begin steep ascent E. slope, over mostly barren sandstone bedrock, through more scattered timber, bears N. and S.
29.50	Top of ascent on rim of ravine, 430 ft. above sec. cor., bears NW. and SE.; desc. rocky SW. slope, 95 ft. to
40.01	On shelf of ledge.
	Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S14 / S23 1919
	from which
	A pinon, 8 ins.diam.,bears S.80°E., 80 lks. dist.,marked ¼ S23 BT
	A cedar, 6 ins.diam.,bears N.36°W., 55 lks. dist.,marked ¼ S14 BT
42.75	Ravine, 30 ft. below ¼ cor., course SE.; asc. steep, rocky SE. and E. slopes, 460 ft. to
54.50	Top of the steep ascent, bears N. and S.; thence more gradual ascent E. slope, rough surface, 140 ft. to
80.02	The cor. of secs. 14-15-22 and 23.
	Land, broken and mountainous with general E. slope; drainage SE. to E. into Comb Wash.
	Soil, mostly barren sandstone bedrock, with covering of loose, shallow sandy loam in places.

Chains	
	Timber, scattering scrub cedar and pinon, on mile.
	Undergrowth, sparse sagebrush. Poor grazing land.

	N. 0°01' W., bet. secs. 14 and 15.
	Over rolling and low broken land facing about E., through scattered timber and undergrowth; soil, mostly barren sandstone bedrock; gradually ascending.
15.60	Leave nearly all bedrock, enter more sandy loam soil, and dense timber, bears E. and W.
16.60	Small depression, drains E.
20.00	Thence over more broken surface, cut by numerous small washes, draining E.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 2 ins. in ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked

¼

S15 | S14

1919

from which

A pinon, 5 ins.diam.,bears S.28½°E., 50 lks. dist.,marked ¼ S14 BT
A pinon, 8 ins.diam.,bears S.81°W., 43 lks. dist.,marked ¼ S15 BT

79.60	Small wash, drains E.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., over cross X cut in barren sandstone bedrock, 24 ins. in a large mound of stone, for cor. secs. 10-11-14 and 15, with brass cap marked

T37S	R20 E
S10	S11
S15	S14

1919

from which

A pinon, 6 ins.diam.,bears N.80¾°E., 40 lks. dist.,marked T37S R20E S11 BT
A pinon, 6 ins.diam.,bears S.16°E., 49 lks. dist.,marked T37S R20E S14 BT
A pinon, 6 ins.diam.,bears S.30¾°W., 80 lks. dist.,marked T37S R20E S15 BT
A pinon, 6 ins.diam.,bears N.27¼°W., 43 lks. dist.,marked T37S R20E S10 BT

Chains	
	Land, rolling and low broken surface of mesa, having a general E. exposure and drainage into Comb Wash.
	Soil, considerable sandstone bedrock outcrops, with shallow, loose sandy loam, only a few ins. deep.
	Timber, scattered to dense scrub cedar and pinon.
	Undergrowth, sparse sage and service brush.
	Poor grazing land.

	S. 89°56' E., on random line, bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line, 12 lks. N. of cor. secs. 11-12-13 and 14; thence
	N. 89°51' W., on true line, bet. secs. 11 and 14.
	Gently desc. rolling land, through medium dense cedar and pinon, and scattered sagebrush, 15 ft. to
2.90	Comb Wash, dry, 1 ch. wide, 8 ft. deep, course S.20°W.; thence over rolling land facing S., through scattered timber and heavier undergrowth, trail in wash.
16.70	Wash, 30 lks. wide, 8 ft. deep, course S.
23.25	Bottom of very small seep, drains SE., and base of rocky mountainous land, bearing N.10°W. and S.10°E.; asc. E. slope, broken surface, mostly barren sandstone.
39.98	On general E. slope, 20 lks. N. of a sandstone rim, 10 ft. high, which bears SE. and W., 385 ft. above base of mtns. land.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked

$$\frac{\frac{1}{4}\ \text{S11}}{\text{S14}}$$

1919

from which

A pinon, 5 ins.diam., bears N.50°W., 49 lks. dist., marked ¼ S11 BT

A pinon, 6 ins.diam., bears S.62°E., 27 lks. dist., marked ¼ S14 BT

Chains	
	Asc. E. slope, 75 ft. over bedrock to
45.85	Top of ascent on E. rim of gulch, bears N.30°W. and S.20°E for 5 chs. thence to E.; desc. abrupt W. slope over ledges and barren rock, 220 ft. to
52.00	Bottom of gulch, course SE. to E.; asc. E. slope, 550 ft.
69.70	W. rim of the gulch, bears N.20°W. and S.; thence a gradual ascent over mesa, 80 ft. to
79.96	The cor. of secs. 10-11-14 and 15.
	Land, rolling valley on E. 23.25 chs., with sandy loam and gravelly soil; remainder of mile is mountainous in character, a broken general E. slope; soil, mostly barren sandstone bedrock, with shallow, loose sandy loam in places.
	Timber, scattering to medium dense scrub cedar and pinon, on the mile.
	Undergrowth, scattered sagebrush, some service berry brush. Poor grazing on the mountainous land.

	N. 0°01' W., bet. secs. 10 and 11.
	Over rolling and low broken top of mesa facing E., through medium dense timber and sparse undergrowth; slightly descending.
35.00	Small wash, 30 lks. wide, 3 ft. deep, in barren rock, course E.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked

¼

S10 | S11

1919

from which

A pinon, 6 ins.diam.,bears S.50½°E., 35 lks. dist.,marked ¼ S11 BT
A pinon, 6 ins.diam.,bears S.8¼°W., 49 lks. dist.,marked ¼ S10 BT

50.70	S. rim of gulch, bears E., and N.80°W. for 6 chs. thence N.; desc. abruptly over ledges, N. face, 300 ft. to

Chains	
58.10	Branch of gulch, near head, course E.; thence along a ledgy E. slope, asc. 80 ft. to
65.00	Top of ascent on E. slope at base of sandstone rim to W. of line, bears NW. and SW.; desc. 100 ft. to
71.00	Bottom of gulch, course SE.; asc. abruptly over sandstone wall, 350 ft. to
76.50	Top of ascent on N. rim of the gulch, bears W. and S.70°E. Thence across top of rocky point, projecting S.70°E.
80.00	On S. rim of another gulch, bears NW. and SE. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in a large mound of stone, for cor. secs. 2-3-10 and 11, with brass cap marked

T37S S3	R20E S2
S10	S11

1919

from which

A pinon, 6 ins.diam.,bears N.20°E., 31 lks. dist.,marked T37S R20E S2 BT
A pinon, 6 ins.diam.,bears S.46°E., 26 lks. dist.,marked T37S R20E S11 BT
A cedar, 18 ins.diam.,bears S.47°W., 30 lks. dist.,marked T37S R20E S10 BT
A pinon, 10 ins.diam.,bears N.57°W., 51 lks. dist.,marked T37S R20E S3 BT

Land, rolling top of mesa, cut by several small washes, draing E., on the S. 50.70 chs.; remainder of mile is very broken, slopes of gulch; general exposure and drainage on mile to E.

Soil, shallow, loose sandy loam amd barren sandstone bed-rock and ledges.

Timber, scattered to medium dense cedar and pinon.

Undergrowth, scattered sage and service berry brush.

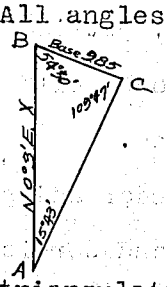
Poor grazing land.

S. 89°51' E., on random line, bet. secs. 2 and 11.

40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 12 lks. S. of true point for secs. 1-2-11 and 12, which is S. 1.00 chs. dist. of the witness cor.; thence from true cor. point

Chains	
	N. 89°56' W., on true line, bet. secs. 2 and 11.
	Over low broken land facing nearly W., cut by numerous small washes, draining SW., through scattered timber and undergrowth.
6.60	Bottom of branch of Comb Wash, 30 lks. wide, 15 ft. deep, 40 ft. below cor., course SW.
7.10	Trail, bears N.20°E. and S.
	Thence over rolling land facing S.
16.90	Wash, 20 lks. wide, 10 ft. deep, course SW. for 5 chs. thence SE.
24.70	Bottom of branch of Comb Wash, 30 lks. wide, 10 ft. deep, course S.; leave rolling, enter broken mountainous land, bears N. and S.; asc. rough E. slope, mostly barren sandstone.
40.00	On E. slope, 235 ft. above last wash.
	Set an iron post, 3 ft. long, 1in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked
	¼ S2 / S11 1919
	from which
	A pinon, 6 ins.diam.,bears S.42°E., 35 lks. dist.,marked ¼ S11 BT
	A pinon, 6 ins.diam.,bears N.42°W., 56 lks. dist.,marked ¼ S2 BT
47.00	Left rim of gulch, bears NW. and SE.; desc. broken, ledgy SW. slope, 200 ft.
67.00	Bottom of rocky gulch, course SE.; asc. over ledges.
80.00	The cor. of secs. 1-2-11 and 12, 500 ft. above gulch.
	Land, rolling on E. 24.70 chs., and broken mountainous on remainder, difficult to survey.
	Soil, on the rolling portion is loose sandy loam and gravelly; mostly barren sandrock on remainder.
	Timber, scattered scrub cedar and pinon, on mile.
	Undergrowth, scattered sagebrush on portions of mile.

Chains	
	N. 0°03' E., on random line, bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
	On account of several gulches with vertical walls over which I cannot chain, I triangulate from temp. ¼ cor. as follows:
	Designate this cor. "A" and set flag "B" on line to N., then, from B, with telescope directed at "A" turn angle of 54°30' towards E., and measure a base, 9.85 chs. to point whence A subtends angle of 109°47'. No longer base is obtainable. From A. the base BC subtends angle of 15°43'. All angles checked by deflection.



	Distance by triangulation = 34.22 chs., plus 40.00 chs =
74.22	Thence by chaining.
79.92	Intersect N. bdy. of tp., 2 lks. W. of cor. secs. 2-3-34 and 35, heretofore described; thence
	S. 0°02' W., on true line, bet. secs. 2 and 3.
	Over broken land facing E., through scattered timber and undergrowth.
5.70	To point of triangulation. N. edge of a broken ledgy country cut by deep box gulches and narrow rock points, putting E. into Comb Wash, bears W. to SW. and SE.; thence by triangulation.
39.92	On a narrow rock point, projecting S.80°E.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, for ¼ sec. cor., with brass cap marked

¼

S3 | S2

1919

	No suitable bearing trees available.
40.20	N. rim of gulch, bears W. and S.80°E.; desc. broken ledgy S. slope.

Chains	
45.15	Bottom of gulch, 200 ft. deep, course S.80°E.; asc. abruptly over ledges.
54.40	S. rim of the gulch, bears N.80°W. and E.; thence over top of mesa to
64.20	N. rim of gulch, bears E. and W.; desc. abruptly over ledges.
71.50	Bottom of gulch, 300 ft. deep, course S.80°E.; asc. abruptly over ledges.
79.92	The cor. of secs. 2-3-10 and 11.
	Land, mountainous in character, broken by deep, box gulches and rocky points, putting E. into Comb Wash.
	Soil, mostly barren sandrock, with covering of shallow, loose sandy loam in places.
	Timber, scattered scrub cedar and pinon, on mile.
	Undergrowth, sparse sage and service brush.
	Poor grazing land.

	From cor. of secs. 3-4-33 and 34 on S. bdy. of tp., heretofore described.
	N. 0°02' W., bet. secs. 33 and 34.
	Over rolling land, through dense cedar and pinon, and sparse sagebrush; gently asc. SW. slope, 90 ft. to
17.65	Top of raise, bears NW. and SE.; desc. 45 ft. to
25.65	Small gulch, course SE.
26.10	Recross same gulch, course SW.
32.80	Recross same, course SE.
38.80	Shallow wash, course SW.
40.00	On SE. slope of wide swale, 15 ft. above wash.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S33 | S34

1919

from which

A cedar, 5 ins.diam.,bears S.73°E., 33 lks. dist.,marked ¼ S34 BT

Chains	
	A cedar, 10 ins.diam., bears S.68½°W., 33 lks. dist., marked ¼ S33 BT
52.00	Enter sagebrush opening, bears E. and S.
61.00	Swale, drains S.20°W.
62.00	Leave opening, re-enter dense timber, bears E. and W.
78.50	Top of raise, 30 ft. above swale, bears N.30°W. and SE.
80.00	On NE. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 27-28-33 and 34, with brass cap marked

T37S	R20E
S28	S27
S33	S34

1919

from which

A cedar, 6 ins.diam., bears N.42¾°E., 88 lks. dist., marked T37S R20E S27 BT
A cedar, 10 ins.diam., bears S.14¼°E., 26 lks. dist., marked T37S R20E S34 BT
A cedar, 10 ins.diam., bears S.23¾°W., 42 lks. dist., marked T37S R20E S33 BT
A pinon, 8 ins.diam., bears N.25¾°W., 75 lks. dist., marked T37S R20E S28 BT

Land, rolling top of mesa, having a general SE. exposure and drainage.

Soil, considerable sandstone outcrops, with shallow, loose sandy loam, 1 to 2 ft. deep, on bedrock.

Timber, dense cedar and pinon.

Undergrowth, sparse black sagebrush.

Fair grazing on portions of the mile.

	East, on random line, bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect N. and S. line, 5 lks. S. of cor. secs. 26-27-34 and 35; thence
	S. 89°58' W., on true line, bet. secs. 27 and 34.
	Over rolling mesa land, through dense timber and scattered undergrowth; gently ascending.
40.08	On general NE. slope, 120 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

Chains	
	$\frac{1}{4}$ S27 / S34 1919
	from which
	A pinon, 6 ins.diam., bears N.30¼°E., 18 lks. dist., marked ¼ S27 BT A cedar, 8 ins.diam., bears S.59¾°W., 35 lks. dist., marked ¼ S34 BT
43.60	Small swale, drains NE.
58.70	Top of low raise, bears NE. and SW.
62.65	Swale, drains NE.
80.16	The cor. of secs. 27-28-33 and 34, 70 ft. above ¼ cor.
	Land, rolling top of mesa, having a general E. exposure; drainage NE. to E.
	Soil, shallow, loose sandy loam, from few inches to 3 ft. deep, on sandstone bedrock, and sandstone outcrops.
	Timber, dense scrub cedar and pinon.
	Undergrowth, scattered sagebrush. Fair grazing on portions of mile.

	N. 0°02' W., bet. secs. 27 and 28.
	Over rolling mesa land, through dense timber and scattered undergrowth.
22.00	Enter more scattered timber and considerable sandstone outcrops, bears E. and W.
39.00	Leave same, and reenter dense timber, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S28 | S27 1919
	from which
	A pinon, 10 ins.diam., bears S.44½°E., 70 lks. dist., marked ¼ S27 BT
	A cedar, 14 ins.diam., bears N.85¾°W., 10 lks. dist., marked ¼ S28 BT

Chains	
63.70	Trail, bears NE. and SW.
69.15	Ravine, 40 ft. deep, course E.
74.55	Ravine, 35 ft. deep, course S.80°E.
80.00	On a rocky SW. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in ground to bedrock, and in a large mound of stone, for cor. secs. 21-22-27 and 28, with brass cap marked

T37S	R20E
S21	S22
S28	S27

1919

from which

A pinon, 12 ins.diam.,bears N.11¼°E., 22 lks. dist.,marked T37S R20E S22 BT
A pinon, 8 ins.diam.,bears S.47¾°E., 31 lks. dist.,marked T37S R20E S27 BT
A pinon, 6 ins.diam.,bears S.51°W., 53 lks. dist.,marked T37S R20E S28 BT
A pinon, 16 ins.diam.,bears N.49°W., 52 lks. dist.,marked T37S R20E S21 BT

Land, rolling mesa, having a slight eastern exposure and drainage.

Soil, shallow, loose sandy loam, with considerable sandstone bedrock outcrops and some loose rock.

Timber, dense scrub cedar and pinon.

Undergrowth, scattered sagebrush. Poor grazing land.

N. 89°58' E., on random line, bet. secs. 22 and 27.

40.00	Set temp. ¼ sec. cor.
69.28	To brink of Arch Canyon; thence by offset
	South, 6,36 chs.; thence
	N.89°58'E., on offset line, for 10.80 chs. or
80.08	Intersect N. and S. line, 23 lks. S. of the witness cor. to cor. secs. 22-23-26 and 27, which is 6.36 chs. dist. S. of the true cor. point; thence
	S. 89°48' W., on offsetline, bet. secs. 22 and 27; from the witness cor.
	10.80 chs. thence offset back N. 6.36 chs. to the true line
10.80	Brink of Arch Canyon, bears N.70°W. and S.60°E.;

Subdivision of T. 37 S., R. 20 E.

Chains	
	Thence, S.89°48' W., on true line.
	Over rolling and low broken mesa, through dense timber and scattered undergrowth.
40.04	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked
	¼ S22 / S27 1919
	from which
	A pinon, 6 ins.diam.,bears N.19½°E., 91 lks. dist.,marked ¼ S22 BT
	A cedar, 8 ins.diam.,bears S.27¾°E., 71 lks. dist.,marked ¼ S27 BT
65.35	Ravine, 50 ft. deep, course SE. from the W.
67.50	Leave the ravine, from NW. to E.; asc. 75 ft. to
80.08	The cor. of secs. 21-22-27 and 28.
	Land, rolling and low broken mesa, having a general E. to SE. exposure and drainage.
	Soil, shallow sandy loam, gravelly and sandstone bedrock outcrops.
	Timber, medium dense, scrub cedar and pinon.
	Undergrowth, scattered sage and oak brush.
	Poor grazing land.

	On account of the impassable Arch Canyon, the brink of which is about ¼ mile to N. of the above cor. the survey of this tier of secs. was discontinued at this cor.

	From the cor. of secs. 4-5-32 and 33 on S. bdy. of tp., heretofore described.
	N. 0°03' W., bet. secs. 32 and 33.
	Over top of mesa, through dense timber and sparse undergrowth; gently desc. NE. slope, 35 ft. to
18.15	Right rim of Mule Canyon, bears NW. and S.30°E.; desc. abruptly N. and NE. slopes over ledges and boulders.

Chains	
28.10	Bottom of canyon, 335 ft. below rim, small seep, of good water in same, course SE.; canyon becomes rapidly deeper to SE., and rims about 20 chs. to NW.
	Asc. abruptly over boulders and ledges, 330 ft. to
35.30	Left rim of canyon and top of 80 ft. vertical wall, bears NW. for 6 chs. thence to N., and SE.; thence over rolling mesa; gradually asc.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked

¼

S32 | S33

1919

from which

A pinon, 8 ins.diam.,bears N.52°E., 12 lks. dist.,marked ¼ S33 BT
A cedar, 10 ins.diam.,bears S.47¼°W., 28 lks. dist.,marked ¼ S32 BT

50.00	Top of ascent, 80 ft. above rim of canyon, bears NW. and E.; thence along a slight E. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 28-29-32 and 33, with brass cap marked

T37S R20E

S29	S28
S32	S33

1919

from which

A cedar, 10 ins.diam.,bears N.82¼°E., 69 lks. dist.,marked T37S R20E S28 BT
A cedar, 10 ins.diam.,bears S.75½°E., 68 lks. dist.,marked T37S R20E S33 BT
A cedar, 10 ins.diam.,bears S.71¾°W., 37 lks. dist.,marked T37S R20E S32 BT
A cedar, 8 ins.diam.,bears N.10°W., 20 lks. dist.,marked T37S R20E S29 BT

Land, rolling mesa, having a general exposure and drainage to SE.; S. ¼ mile is cut by a branch of Mule Canyon, about ¼ mile below point where the canyon rims up.

Chains	
	Soil, shallow, sandy loam, from few inches to about 2 ft. deep, on snadstone bedrock, and scattered sandrock outcrops.
	Timber, medium dense scrub cedar and pinon, on mile.
	Undergrowth, scattered sagebrush.
	Fair grazing land on greater portion of the mile.

	East, on random line, bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line, 9 lks. N. of cor. secs. 27-28-33 and 34; thence
	N. 89°56' W., on true line, bet. secs. 28 and 33.
	Over rolling mesa land, through dense timber and scattered undergrowth.
0.50	Raise, bears N.30°W. and S.30°E.; gently desc. SW. slope.
6.75	Small wash, 20 lks. wide, 4 ft. deep, course S; gently asc. 40 ft. to
37.25	Top of raise, bears N.20°E. and S.
39.97	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S28 / S33 / 1919
	from which
	A pinon, 5 ins.diam.,bears S.8½°E., 26 lks. dist.,marked ¼ S 33 BT
	A pinon, 5 ins.diam.,bears N.22½°W., 74 lks. dist.,marked ¼ S28 BT
42.35	Wash, 10 lks. wide, 3 ft. deep, course S.70°W.
57.35	E. rim of Mule Canyon and top of 50 ft. vertical ledge, bears N.10°E. and S.30°E.; desc. abruptly.
61.40	Bottom of Mule Canyon, dry, 115 ft. deep, course S.30°E.; the junction of canyons bears up canyon 2½ chs. dist.
64.15	W. rim of Canyon, bears N.70°W. and S.30°E.; thence over rolling top of mesa.
79.94	The cor. of secs. 28-29-32 and 33.
	Land, rolling and broken mesa, having a general southern exposure and drainage.

Chains	
	Soil, shallow, loose sandy and gravelly loams, with sandstone bedrock outcrops.
	Timber, dense cedar and pinon, on mile.
	Poor grazing land. Undergrowth, scattered sagebrush.

	N. 0°03' W., bet. secs. 28 and 29.
	Over rolling mesa land, through medium dense timber and scattered undergrowth.
10.00	S. rim of Left Fork of Mule Canyon, bears NW. and SE.
12.25	Bottom of canyon, dry, 75 ft. deep, course SE.
15.50	N. rim of same and top of 40 ft. vertical ledge, bears NW. and SE.; continue over rolling and low broken top.
21.50	Top of raise, bears N.20°W. and S.20°E.
25.00	Enter more sandstone bedrock and scattered timber, bears NW. and SE.
40.00	On slight SE. slope on barren sandstone bedrock.
	Set an iron post, 3 ft. long, 1 in. dia., over cross X cut in bedrock, 26 ins. in a large mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S29 | S28 1919
	from which
	A pinon, 8 ins.diam.,bears N.30¼°E., 58 lks. dist.,marked ¼ S28 BT
	A pinon, 8 ins.diam.,bears N.49°W., 80 lks. dist.,marked ¼ S29 BT
	Slightly asc. S. slope.
41.00	Leave nearly all the barren sandrock, bears E. and SW.
41.60	Trail, bears NE. and S.30°W.
44.00	Top of raise, bears E. and W.; gently desc.
61.70	S. rim of Right Fork of Mule Canyon, bears NW. and SE.
62.30	Bottom of canyon, 50 ft. deep, dry, solid sandstone walls, course SE.
63.00	N. rim of same, bears NW. and SE.; gently asc.
71.00	Trail, bears NW. and SE.
80.00	On a slight E. slope, 50 ft. above rim of canyon.

Chains

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 20-21-28 and 29, with brass cap marked

T37S	R20E
S20	S21
S29	S28

1919

from which

A pinon, 10 ins.diam.,bears N.52½°E., 34 lks. dist.,marked T37S R20E S21 BT
A cedar, 12 ins.diam.,bears S.26½°E., 43 lks. dist.,marked T37S R20E S28 BT
A cedar, 8 ins.diam.,bears S. 8° W., 67 lks. dist.,marked T37S R20E S29 BT
A cedar, 10 ins.diam.,bears N.50¼°W., 35 lks. dist.,marked T37S R20E S20 BT

Land, rolling and broken mesa land, facing to SE.

Soil, shallow, loose sandy loam, and considerable sandstone bedrock outcrops.

Timber, medium dense to scattered cedar and pinon.

Undergrowth, sparse sagebrush. Poor grazing on greater portion of mile.

S. 89°56' E., on random line, bet. secs. 21 and 28.

40.00 Set temp. ¼ sec. cor.

80.06 Intersect N. and S. line, 9 lks. N. of cor. secs. 21-22-27 and 28; thence

N. 89°52' W., on true line, bet. secs. 21 and 28.

Over rolling land facing SE., cut by numerous small washes, draining SE., through medium dense timber and scattered undergrowth; gently ascending.

19.65 Shallow ravine, course S.70°E.

40.03 On a gentle NE. slope, 75 ft. above sec. cor.

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

¼ S21 / S28

1919

from which

A pinon, 6 ins.diam.,bears S.56¼°W., 64 lks. dist.,marked ¼ S28 BT

Chains	
	A cedar, 24 ins.diam., bears N.36½°W., 44 lks. dist., marked ¼ S21 BT
	Gradually asc. NE. slope, 65 ft. to
58.20	Top of raise, bears N.20°W. and S.20°E.; gently desc.
63.75	Leave dense, enter scattered timber and heavier sagebrush, bears N. and S.
68.25	Open swale, drains S.; gently asc.
71.25	Re-enter dense timber, bears N. and S.
80.06	The cor. of secs. 20-21-28 and 29, 25 ft. above swale.
	Land, rolling and low broken mesa, general exposure and drainage to SE.
	Soil, shallow, loose sandy and gravelly loams, with scattered sandstone bedrock outcrops.
	Timber, medium dense cedar and pinon, on greater portion of mile.
	Undergrowth, scattered sage and oak brush.
	Fair grazing land.

	N. 0°03' W., bet. secs. 20 and 21.
	Over rolling mesa land, through dense timber and scattered undergrowth.
30.60	Top of low flat ridge, 50 ft. above sec. cor., bears N.80°E. and S.80°W.; gently desc.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked

¼

S20 | S21

1919

from which

A cedar, 8 ins.diam., bears S.26½°E., 15 lks. dist., marked ¼ S21 BT
A cedar, 7 ins.diam., bears S.71½°W., 30 lks. dist., marked ¼ S20 BT

55.00	Swale, 55 ft. below ¼ cor., drains NE.; thence along a gradual E. slope.
71.00	Ravine, 35 ft. deep, course S.80°E; asc. S. slope, 55 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in

Chains

ground, for cor. secs. 16-17-20 and 21, with brass cap marked

T37S	R20E
S17	S16
S20	S21

1919

from which

A pinon, 5 ins.diam.,bears N.78°E., 26 lks. dist.,marked T37S R20E S16 BT
A cedar, 12 ins.diam., bears S.17°E., 55 lks. dist.,marked T37S R20E S21 BT
A cedar, 24 ins.diam.,bears S.36½°W., 34 lks. dist.,marked T37S R20E S20 BT
A pinon, 8 ins.diam.,bears N.47°W., 2 lks. dist.,marked T37S R20E S17 BT

Cor. stands 3 chs. dist. S. of brink of Arch Canyon, which bears N.60°W. and S.80°E.

Land, rolling mesa having a general E. exposure and drainage.

Soil, shallow, loose sandy and gravelly loams, with ssandstone bedrock.

Timber, dense cedar and pinon.

Undergrowth, scattered sagebrush. Fair grazing land.

On account of the impassable Arch Canyon to the N. of this cor., which is approximately 1 mile from brink to brink, the survey of this tier of secs. is discontinued at this cor.

From the cor. of secs. 5-6-31 and 32 on S. bdy. of tp., heretofore described.

N. 0°03' W., bet. secs. 31 and 32.

Over gently rolling mesa land, through dense sagebrush and few scattered cedar and pinon.

10.40 Main wash, 40 lks. wide, 5 ft. deep, dry, course SE.; thence gently asc. S. exposure.

33.00 Enter dense timber and scattered undergrowth, bears SE. and W.

40.00 On a gentle S. slope, 50 ft. above wash.

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

Chains	
	$\frac{1}{4}$ S31 | S32 1919
	from which
	A cedar, 16 ins.diam., bears N.86$\frac{1}{4}$°E., 43 lks. dist., marked $\frac{1}{4}$ S32 BT A cedar, 8 ins.diam., bears S.61$\frac{1}{4}$°W., 110 lks. dist., marked $\frac{1}{4}$ S31 BT
50.00	Top of raise, bears N.70°W. and SE.
80.00	On a gentle E. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 29-30-31 and 32, with brass cap marked
	T37S | R20E S30 | S29 S31 | S32 1919
	from which
	A cedar, 8 ins.diam., bears N.47$\frac{1}{4}$°E., 59 lks. dist., marked T37S R20E S29 BT A pinon, 6 ins.diam., bears S.63$\frac{1}{4}$°E., 52 lks. dist., marked T37S R20E S32 BT A cedar, 8 ins.diam., bears S.57$\frac{3}{4}$°W., 49 lks. dist., marked T37S R20E S31 BT A cedar, 6 ins.diam., bears N.33°W., 17 lks. dist., marked T37S R20E S30 BT
	Land, gently rolling mesa having a general exposure to S. and SE.; drainage to SE.
	Soil, fairly deep, loose, fine red sandy loam.
	Timber, scattered and medium dense cedar and pinon.
	Undergrowth, considerable sagebrush. Good grazing land.

	East, on random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect N. and S. line, 9 lks. S. of cor. secs. 28-29-32 and 33; thence
	S.89°56' W., on true line, bet. secs. 29 and 32.
	Over rolling mesa, through dense timber and scattered undergrowth; gently asc. 35 ft. to
7.60	Top of low raise, bears NW. and SE.; thence over SW. slope.

Chains	
11.60	Trail, bears N.10°E. and S.10°W.
15.30	Open swale, 2 chs. wide, drains S.20°E.
39.95	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S29 / S32 1919 from which A pinon, 9 ins.diam.,bears S.42½°E., 33 lks. dist.,marked ¼ S32 BT A pinon, 5 ins.diam.,bears N.54°W., 67 lks. dist.,marked ¼ S29 BT
42.40	Wash, 30 lks. wide, 3 ft. deep, course SE.; begin a gradual ascent over E. slope.
58.80	Wash, 20 lks. wide, 8 ft. deep, course S.60°E.
79.90	The cor. of secs. 29-30-31 and 32, 90 ft. above ¼ cor.
	Land, rolling mesa having a general SE. exposure and drainage.
	Soil, fairly deep, loose sandy and gravelly loams, lying on sandstone bedrock, which is only exposed in wash bottoms.
	Timber, dense cedar and pinon, on mile.
	Undergrowth, considerable black sagebrush.
	Fair grazing land.

	West, on random line, bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
78.22	Intersect W. bdy. of tp., 9 lks. N. of cor. secs. 25-30-31 and 36, heretofore described; thence
	N. 89°56' E., on true line, bet. secs. 30 and 31.
	Over rolling mesa land, through medium dense timber and considerable undergrowth; across small sagebrush opening to
3.50	Leave opening, bears NW. and SE.
9.00	Thence gently desc. over a SE. exposure.
15.00	Leave dense, enter scattered timber and heavier sagebrush, bears NW. and SE.

Chains	
27.00	Leave scattered, enter dense timber with less sagebrush, bearing NW. and SE.
35.40	Ravine, 30 ft. deep, course SE.
38.22	On a slight W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brasscap marked
	S30 / S31 / 1919
	from which
	A cedar, 8 ins.diam.,bears N.55½°E., 37 lks. dist.,marked ¼ S30 BT A cedar, 7 ins.diam.,bears S.45½°W., 55 lks. dist.,marked ¼ S31 BT
78.22	The cor. of secs. 29-30-31 and 32.
	Land, rolling mesa having a general exposure and drainage to SE., cut by several small washes, putting SE.
	Soil, fine, red sandy loam and gravel, on sandstone bedrock; from a few inches to about 3 ft. deep.
	Timber, medium dense to scattered cedar and pinon.
	Undergrowth, considerable sagebrush.
	Fair grazing land.

	N. 0°03' W., bet. secs. 29 and 30.
	Over rolling mesa facing SE., through dense timber and considerable sagebrush; numerous small washes putting SE.
17.70	Ravine, 20 ft. deep, course SE.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	S30 ¼ S29 / 1919
	from which
	A pinon, 6 ins.diam.,bears S.19°E., 43 lks. dist.,marked ¼ S29 BT A pinon, 24 ins. diam.,bears N.61½°W., 9 lks. dist.,marked ¼ S30 BT

Chains	
64.20	S. rim of Left Fork of Mule Canyon, bears NW. and SE.; desc. abruptly over solid sandstone slope.
70.70	Bottom of canyon, 180 ft. deep, dry; course SE.; asc. abruptly over solid red sandstone slope.
76.70	N. brink of canyon, bears N.70°W. and SE.; gently asc.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 12 ins. in ground to bedrock, and in a large mound of stone, for cor. secs. 19-20-29 and 30, with brass cap marked

T37S	R20E
S19	S20
S30	S29

1919

from which

A cedar, 6 ins.diam.,bears N.62½°E., 91 lks. dist.,marked T37S R20E S20 BT
A pinon, 6 ins.diam.,bears S.44°E., 55 lks. dist.,marked T37S R20E S29 BT
A pinon, 10 ins.diam.,bears S.38½°W., 68 lks. dist.,marked T37S R20E S30 BT
A pinon, 6 ins.diam.,bears N.32¼°W., 61 lks. dist.,marked T37S R20E S19 BT

Land, rolling and broken mesa, facing to SE.

Soil, shallow, sandy loam and scattered outcrops of sandstone bedrock; the slopes of Mule Canyon are barren sandstone.

Timber, dense scrub cedar and pinon.

Undergrowth, scattered sagebrush, with some oakbrush along the canyon.

Poor grazing land.

N. 89°56' E., on random line, bet. secs. 20 and 29.

40.00	Set temp. ¼ sec. cor.
79.74	Intersect N. and S. line; 7 lks. S. of cor. secs. 20-21-28 and 29; thence

S. 89°53' W., on true line, bet. secs. 20 and 29.

Over rolling mesa land, through medium dense timber and sparse undergrowth.

2.40	Begin gradual descent over SW. slope.
8.30	Trail, bears NW. and SE.
10.30	E. rim of Right Fork of Mule Canyon, and top of 35 ft.

Chains	
	vertical ledge, bears S. for 5 chs. thence SE., and NW.;
10.90	Bottom of canyon, 50 ft. deep, course S. for 5 chs., thence SE.; few scattered fir and yellow pine along bottom.
12.50	W. rim of canyon, bears NW. and SE.; thence gradually ascending along an E. slope.
39.87	On gentle SE. slope, 100 ft. above rim of canyon. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked ¼ S20 / S29 1919 from which A pinon, 8 ins. diam., bears N.5° E., 37 lks. dist., marked ¼ S20 BT A cedar, 8 ins. diam., bears S.8¾°W., 32 lks. dist., marked ¼ S29 BT
56.00	Top of raise, 50 ft. above ¼ cor., bears N.70°W. and SE.; thence over nearly level top.
68.35	Enter considerable sandstone outcrops, bears NW. and SE.
79.74	The cor. of secs. 19-20-29 and 30.
	Land, rolling and broken mesa, having a general exposure and drainage to SE.
	Soil, shallow, loose sandy loam, with scattered sandstone outcrops, on bedrock.
	Timber, medium dense scrub cedar and pinon, on mile.
	Undergrowth, sparse sagebrush.
	Poor grazing land.
	--- --- ---
	S. 89°56' W., on random line, bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
78.21	Intersect W. bdy. of tp., 23 lks. N. of cor. secs. 19-24-25 and 30, heretofore described; thence
	N. 89°46' E., on true line, bet. secs. 19 and 30.
	Over rolling top of high mesa, through scattered scrub timber and over mostly barren sandstone outcrops; gradually desc. along top, 35 ft. to
14.80	Rim of the higher mesa, bears N.20°W. and S.70°E.;

Subdivision of T. 37 S., R. 20 E.

Chains	
	descend abruptly over barren sandstone rim, 100 ft. to
20.65	Base of rim, bears N.20°W. and S.70°E.; thence over lower mesa of bench with a gradual NE. slope; desc. 80 ft. to
38.21	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked ¼ S19 / S30 1919 from which A pinon, 8 ins.diam.,bears N.42°E., 88 lks. dist.,marked ¼ S19 BT A pinon, 6 ins.diam.,bears S.9° E., 45 lks. dist.,marked ¼ S30 BT
	Continue gradual descent over nearly E. slope, 35 ft. to
52.05	W. brink of left fork of Mule Canyon, bears N.80°W. and S.80°E.; clump of yellow pine at this point; desc. abruptly E. and NE. slopes, through dense oak, service and manzanita brush, 250 ft. to
62.30	A tiny seep on line, sinks 1 ch. to N.
67.00	Wash, 30 lks. wide, 8 ft. deep, in bottom of Mule canyon, dry, course SE.; asc. abruptly over barren sandstone slope, 205 ft. to
74.05	E. brink of canyon, bears S.20°E. for 3 chs. thence to E., and N.70°W.; thence over top of mesa facing SW., asc. 10 ft. to
78.21	The cor. of secs. 19-20-29 and 30.
	Land, rolling and broken mesa, having a general SE. exposure and drainage.
	Soil, mostly sandstone bedrock outcrops, with shallow, loose sandy loam.
	Timber, scattered scrub cedar and pinon.
	Undergrowth, sagebrush, with service, oak and manzanita brush along W. slope of Mule canyon.
	Poor grazing land,

Chains	
	N. 0°03' W., bet. secs. 19 and 20.
	Over rolling mesa, through medium dense timber and scattered undergrowth; gently ascending 45 ft. to
28.00	Top of flat raise, bears NW. and SE.; thence gently desc.
34.25	S. rim of Right Fork Mule Canyon, 30 ft. below raise, bears NW. and SE.; desc. abruptly over barren sandstone slope.
40.00	True point for ¼ sec. cor. falls on a steep ledgy slope, where cor. cannot be set, therefore at
40.38	On N. slope, 120 ft. below rim.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for witness cor. to ¼ sec. cor., with brass cap marked

¼

S19 | S20

W C

1919

from which

A pinon, 18 ins.diam.,bears N.44°E., 25 lks. dist.,marked WC ¼ S20 BT
A pinon, 6 ins.diam.,bears S.30°W., 40 lks. dist.,marked WC ¼ S19 BT

42.50	Bottom of canyon, dry, 25 ft. below ¼ cor., course SE.
	Asc. abruptly over ledges and barren sandrock, 165 ft. to
53.15	N. rim of canyon, bears NW. and SE.; thence over rolling and low broken mesa top, gradually ascending, 100 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 16 ins. in ground to bedrock, and in a mound of stone, for cor. secs. 17-18-19 and 20, with brass cap marked

T37S	R20E
S18	S17
S19	S20

1919

from which

A pinon, 10 ins.diam.,bears N.40° E., 36 lks. dist.,marked T37S R20E S17 BT
A pinon, 12 ins.diam.,bears S.7½°E., 43 lks. dist.,marked T37S R20E S20 BT
A pinon, 8 ins.diam.,bears S29½° W., 51 lks. dist.,marked T37S R20E S19 BT
A pinon, 6 ins.diam.,bears N.74½°W., 80 lks. dist.,marked T37S R20E S18 BT

Subdivision of T. 37 S., R. 20 E.

Chains	
	Land, rolling and broken mesa, having a general SE. exposure and drainage.
	Soil, considerable sandstone outcrops of bedrock, and shallow sandy loam.
	Timber, medium dense scrub cedar and pinon.
	Undergrowth, sparse sagebrush, with few scattered clumps of oakbrush. Poor grazing land.

	N. 89°53' E., on random line, bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
79.68	Intersect N. and S. line, 2 lks. S. of cor. secs. 16-17-20 and 21; thence
	S. 89°52' W., on true line, bet. secs. 17 and 20.
	Over rolling mesa, through dense timber and scattered undergrowth; along a S. slope
12.10	Center of sagebrush opening, 2½ chs. wide, extends NW. and SE.
23.80	Wash, 20 lks. wide, 6 ft. deep, course SE.
29.80	Trail, bears NW. and SE.
39.40	Wash, 30 lks. wide, 5 ft. deep, in a main ravine, course S.80°E.
39.84	In SW. edge of ravine bottom.
	Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S17 / S20 1919
	from which
	A pinon, 16 ins.diam.,bears N.61° E., 67 lks. dist., marked ¼ S17 BT
	A pinon, 6 ins.diam.,bears S.79¼°W., 38 lks. dist.,marked ¼ S20 BT
	Ascend along a broken, general NE. slope.
79.68	The cor. of secs. 17-18-19 and 20, 200 ft. above ¼ cor.
	Land, rolling and low broken mesa; drainage to E.

Chains	
	Soil, loose sandy loam, few inches to 2 ft. deep on E. ½ mile; on the W. ½ mile it is mostly sandstone outcrops, with shallow sandy loam in places.
	Timber, medium dense cedar and pinon, on mile.
	Undergrowth, scattered sagebrush, with serveice and oak brush on W. ½ mile.
	Fair grazing on portions of the mile.

	S. 89°46' W., on random line, bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
78.19	Intersect W. bdy. of tp., 5 lks. S. of true point for cor. secs. 13-18-19 and 24, which is 2.40 lks. dist. S. of the witness cor.; thence from true point
	N. 89°48' E., on true line, bet. secs. 18 and 19.
	Over rolling mesa, through medium dense timber and sparse undergrowth; gradually descending NE. slope, 85 ft. to
17.55	W. rim of Right Fork, Mule Canyon, bears N. for 5 chs. thence NW., and SE.; clump of about 2 doz. large yellow-pines near this point along rim.
	Desc. abruptly E. slope, through considerable undergrowth of service and oak brush.
29.90	Bottom of canyon, dry, course SE., 240 ft. below rim; few scattered pines and fir along bottom.
	Asc. abruptly over solid sandstone, sloping ledges.
34.55	E. rim of canyon, 205 ft. above bottom, bears N.10°W. for 10 chs., thence to NW., and SE.; thence over rolling top of mesa.
38.19	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for ¼ sec. cor., with brass cap marked

¼ S18 / S19

1919

from which

A pinon, 8 ins.diam., bears S.29° W., 83 lks. dist., marked ¼ S19 BT

Subdivision of T. 37 S., R. 20 E.

Chains	
	A pinon, 8 ins.diam.,bears N. 1° W., 57 lks. dist.,marked $\frac{1}{4}$ S18 BT
58.70	Short branch gulch, 40 ft. deep, course S.10°E.
78.19	The cor. of secs. 17-18-19 and 20.
	Land, rolling and broken mesa, having a general exposure and drainage SE.
	Soil, mostly sandstone outcrops of bedrock, with covering of shallow, loose sandy loam in places.
	Timber, medium dense scrub cedar and pinon, with few scattered yellow pine and fir along the canyon.
	Undergrowth, sparse sagebrush. Poor grazing land.

	N. 0°03' W., bet. secs. 17 and 18.
	Over rolling and broken mesa, through medium dense scrub timber and scattered undergrowth; gradually desc. NE. slope, 25 ft. to
13.40	Near head of ravine, course S.70°E.; asc. rocky sandstone rim, S. slope, 110 ft. to
26.00	Top of ascent of break, bears E. and W.; thence over rolling land, slight SE. slope.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S18 | S17 1919
	from which
	A pinon, 10 ins.diam.,bears S.73°E., 23 lks. dist.,marked $\frac{1}{4}$ S17 BT A cedar, 8 ins.diam.,bears N.38$\frac{3}{4}$°W., 41 lks. dist.,marked $\frac{1}{4}$ S18 BT
53.00	Thence through scattered timber, with sagebrush openings, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground, for cor. secs. 7-8-17 and 18, with brass cap marked T37S | R20E S7 | S8 S18 | S17 1919

Chains	
	from which
	A cedar, 6 ins.diam.,bears N.83¼°E., 165 lks. dist.,marked T37S R20E S8 BT
	A pinon, 8 ins.diam.,bears S.53½°E., 23 lks. dist.,marked T37S R20E S17 BT
	A cedar, 8 ins.diam.,bears S.71°W., 86 lks. dist.,marked T37S R20E S18 BT
	A cedar, 6 ins.diam.,bears N.35¾°W., 60 lks. dist.,marked T37S R20E S7 BT
	Land, rolling and broken, having a general E. and SE. exposure and drainage.
	Soil, on S. ½ mile is considerable sandstone bedrock outcrops, with shallow sandy loam; on N. ½ mile the soil is deeper sandy loam.
	Timber, medium dense to scattered scrub cedar and pinon.
	Undergrowth, considerable sagebrush. Fair grazing on northern portion of the mile.

	S. 89°48' W., on random line, bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
78.16	Intersect W. bdy. of tp., at the cor. of secs. 7-12-13 and 18, heretofore described; thence
	N. 89°48' E., on true line, bet. secs. 7 and 18.
	Over rolling mesa land, through dense timber and sparse undergrowth; along a gentle S. slope.
13.00	Thence over gentle E. slope.
21.80	Leave dense, enter very scattered timber and heavy sagebrush, bears NW. and SE.; gradually descending.
38.16	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground, for ¼ sec. cor., with brass cap marked
	¼ S7 / S18 1919
	from which
	A cedar, 14 ins.diam.,bears N.60½°W., 98 lks. dist.,marked ¼ S7 BT
	A cedar, 8 ins.diam.,bears S.22¾°W., 48 lks. dist.,marked ¼ S18 BT
78.16	The cor. of secs. 7-8-17 and 18, 75 ft. below ¼ cor.
	Land, rolling mesa.

Chains	
	Soil, loose sandy loam, on sandstone bedrock, from a few inches to more than 2 ft. deep.
	Timber, dense and scattered cedar and pinon.
	Undergrowth, considerable sagebrush, 2 to 3 ft. high.
	Good grazing land.

	N. 0°03' W., bet. secs. 7 and 8.
	Over rolling mesa, through dense sagebrush and scattered timber; gentle desc. along an E. slope.
6.30	Small wash, 20 lks. wide, 3 ft. deep, in solid sandstone, drains E. for about 5 chs. dist. to brink of Arch Canyon.
22.20	On brink of canyon.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a large mound of stone, on bedrock, for withess cor. to ¼ sec. cor., with brass cap marked

$\frac{1}{4}$
W | C
S7 | S8
1919

from which

A pinon, 8 ins.diam.,bears S.52°E., 25 lks. dist.,marked WC ¼ S8 BT
A pinon, 10 ins.diam.,bears S.54°W., 45 lks. dist.,marked WC ¼ S7 BT

Cor. stands 30 lks. from brink of Arch Canyon, bearing N.80°E. for 5 chs. thence to S. and SE., and NW. to N.

Impossible to continue line farther on account of Arch Canyon which cannot be crossed and is about 1 mile or more to opposite rim.

Land, gently rolling mesa, having a slight NE. slope.

Soil, shallow, loose sandy loam, on bedrock.

Timber, scattered cedar and pinon.

Undergrowth, dense sagebrush. Good grazing land.

From the cor. of secs. 1-6-7 and 12 on W. bdy. of tp., heretofore described; I run

East, on true line, bet. secs. 6 and 7.

Chains

Over gently rolling land facing E., through dense sagebrush, no timber; gradually descending.

0.65 Trail, bears NW. and SE.

30.00 Enter dense timber, with less undergrowth, bears N. and S.

37.00 Shallow wash, drains SE.

38.14 On a slight SE. slope, 130 ft. below sec. cor.

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

¼ S6 / S7

1919

from which

A pinon, 7 ins.diam.,bears N.26¼°E., 32 lks. dist.,marked ¼ S6 BT
A pinon, 6 ins.diam.,bears S.15½°W., 12½ lks. dist.,marked ¼ S7 BT

This cor. stands about 6 chs. dist. W. from the brink of Arch Canyon, across which it is impracticable to survey, being about ¾ mile from brink to brink on a line running E. from here. Therefore discontinue survey of line at this cor.

Land, gently rolling, having an easterly slope.

Soil, loose sandy loam, 1 to 3 ft. deep, on bedrock.

Timber, dense cedar and pinon, on E. 8.14 chs.

Undergrowth, dense sagebrush, 1 to 3 ft. high.

Boundaries of T. 37 S., R. 20 E.

Lines designated		True bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
			Chs.	Chs	Chs	Chs.	Chs.
W. bdy.	of tp.	South	481.68		481.68		
S. bdy.	of tp.	East	478.33			478.33	
E. bdy.	of tp.	North	480.00	480.00			
N. bdy.	of tp.	West	477.17				477.17
Convergency							.56
		Totals	------	480.00	481.68	478.33	477.73
					480.00		
		Error in latitude	----------		1.68		
						477.73	
		Error in departure	----------			0.60	

General Description of T. 37 S.,R. 20 E.

This township in general is a plateau or mesa having a gentle south-easterly expousre, lying under the Elk Ridge Mountain which is to the north and west. The township is very rough and broken by deep box gulches and canyons cut in solid sandstone. Is covered with a dense growth of scrub cedar and pinon pine with the exception of along bottom of Comb Wash Valley, and a scattered growth of short sagebrush, with occasional patches of service and oak brush.

The soil on the greater portion of the township is a light, shallow, loose sandy loam, lying on sandstone bedrock which is exposed throughout the township. In the Comb Wash Valley the soil is a deeper fine sandy and gravelly loam.

Comb Wash drains southerly through a narrow valley about one-half mile wide, through the eastern part of the tp.; the east rim of this valley is a sandstone wall or reef, 700 ft. high, known as "The Comb", and forms divide between Comb Wash and Butler Wash to the East.

Arch Canyon enters the tp. at the NW. cor. of tp. and drains south-easterly to sec. 25 where it opens out into the Comb Wash Valley. This canyon is approximately 1000 ft. deep, rimmed with high vertical ledges, and can be crossed only near the mouth. In places the canyon is more than a mile in width between opposite rims. The canyon carries a small stream of good, clear water, which is being used for irrigation purposes on land in sec. 25, and is the only living stream in the tp. The only other water found in this tp. is several very small seeps.

Geo. Perkins and Geo. Adams, the only settlers in the tp., live in the E. ½ of sec. 25; improvements consist of a frame house, 14x24 ft., corrals, approximately 30 acres under cultivations and into alfalfa, fences and ditches; value about $3000.

Under this assignment we surveyed only about 43 miles of the subdivisional lines in the township, leaving the remainder unsurveyed on account of the difficulties of extending the surveys across Arch Canyon, and by reason that the remaining portion being very broken, mainly sandstone outcrops and of very little value, even as grazing lands.

Several small Cliffdweller ruins and houses were found in the tp., they are located mostly along the rims of gulches and canyons, and are small, containing one to three rooms. No pottery or relics were found in them.

No indications of oil or mineral were found in the tp.

The magnetic declination of the needle at the SE. cor. of the tp. is 13°48'.

Water Locations.

Stream of approximately 1 sec. ft. from Arch Canyon:

S½ of SW¼; SW¼ of SE¼, sec. 23.

N½ of NE¼ sec. 26.

N½ of NW¼; S½ of NE¼; E½ of SE¼, sec. 25.

E½ of NE¼, sec. 36.

Small seeps:

NW¼ of NW¼, sec. 31.

SW¼ of NW¼, sec 28.

NW¼ of NW¼, sec. 24.

SW¼ of SW¼, sec. 1.

Andrew Nelson,
U.S. Surveyor.

Chauncey J. Terry
U.S. Transitman.

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Page

BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Frank Romney	Head- Chainman
Rex Roberts	Head- Chainman
Philip Roberts	Rear-Chainman
Elden Prouse	Rear Chainman
Dale Shafer	Flagman
Paul Peterson	Flagman
John H. Davis	Axman
Jean Rogerson	Axman

CERTIFICATE OF UNITED STATES SURVEYOR.

~~I~~, We, Andrew Nelson and Chauncey J.Terry,U.S.Transitman, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 9th day of May, 1918, ~~I~~ We have well, faithfully, and truly in ~~my~~ our own proper person~~s~~ and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of North, South East and West Boundaries and portions of the Subdivision of T. 37 S., R. 20 E. 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 d 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
Mar. 23,1921 Andrew Nelson
U. S. Surveyor.

Pinedale, Wyo., Mar. 31, 1921. Chauncey J. Terry
U.S.Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City,Utah, July 28, 1921

The foregoing field notes of the survey of north, south, east, and west boundaries and portions of the subdivision of Township No. 37 South, Range No. 20 East of the Salt Lake Base and Meridian, Utah;

executed by Andrew Nelson and Chauncey J. Terry under ~~his~~ their special instructions dated May 9, 1918, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

A. O. Thoreson
U. S. Surveyor General.

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

U. S. Surveyor General.

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BOOK A-451

4—679

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Filed
Office U.S.Surveyor General
Jan. 24, 1922
Salt Lake City, Utah.

FIELD NOTES

OF THE SURVEY OF THE

RESURVEY OF THE EAST AND WEST BOUNDARIES

AND SUBDIVISION AND SURVEY OF THE

NORTH BOUNDARY AND SUBDIVISION

OF T. 12 S., R. 11 E.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

HOWARD W. MILLER, U.S. CADASTRAL ENGINEER

AND

WALTER BYERGO, U.S. TRANSITMAN

~~In the capacity of U. S. Surveyor~~, *under instructions dated* May 3, *1918,*

issued by the United States Surveyor General to govern surveys included in Group No. 71, *which were approved by the Commissioner of the General Land Office,* MAY 28, *1918* and Assignment Instructions dated July 24, 1918 and Supplemental Assignment Instructions dated August 9, 1918 and June 13, 1919 and June 6, 1921

Survey commenced October 18, *1918*

Survey completed June 30, 1921.

6—151

BOOK A-451

INDEX DIAGRAM.

Township 12 South, Range 11 East

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

BOOK A-451

4—679 b

INDEX DIAGRAM.

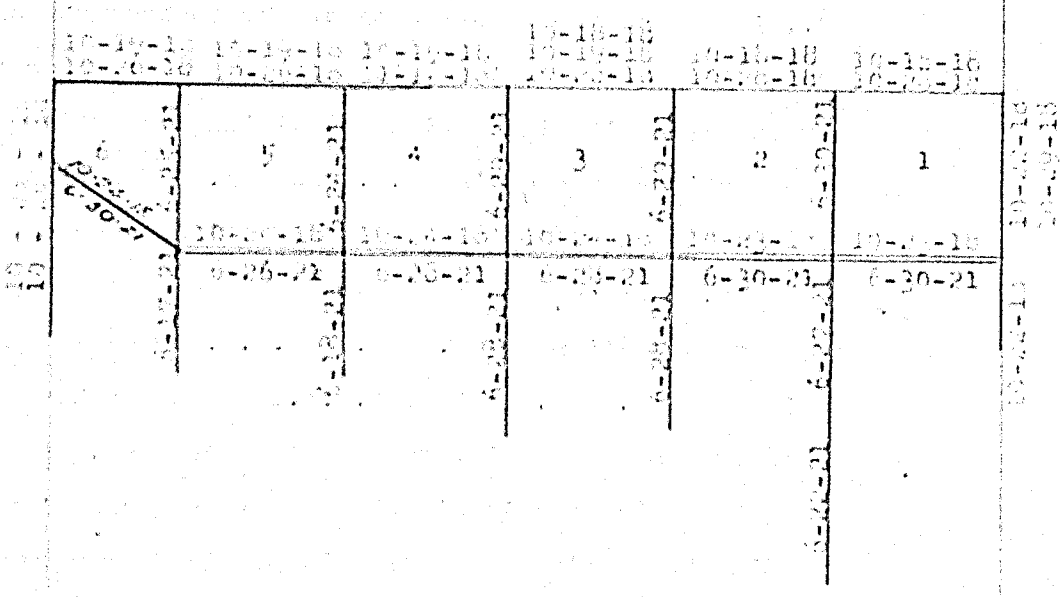
Township 12 South, Range 11 East

~~237~~	~~236~~	~~233~~	~~232~~	~~231~~	~~229~~
214 6 214	5 243	4 214	3 240	2 238	1 212
215 228	227				
~~216, 217~~	~~215, 217~~	~~214, 217~~	~~232, 217~~	~~220, 216~~	~~219, 216~~
214 7 219	8 218	9 218	10 218	11 217	12 212 213
18	17	16	15	14 211	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

6—4617

T. 12 S., R.11 E.

DATE DIAGRAM T. 12 S., R.11 E.



Lines dated and colored with red ink were surveyed jointly by Howard W.Miller, U. S. Cadastral Engineer and Walter Byerge, U. S. Transitman in 1918.

Lines dated and colored with black ink were surveyed by Howard W. Miller, U. S. Cadastral Engineer in 1921.

TEST OF INSTRUMENT

Survey commenced October 18, 1918 and executed with Buff and Buff light mountain transit No. 8964, equipt with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers, placed opposite to each other and reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs and vertical circle.

Test of Instrument.

The instrument was approved for use in this survey by the Assistant Supervisor of Surveys for Utah, in assignment instructions dated July 24, 1918 and supplemental assignment instructions dated June 6,1921.

October 19,1918, at my camp which is situated near the cor. of secs. 26, 27, 34 and 35, T.11 S.,R.11 E., in approximate latitude 39° 50'N., and longitude 110° 42' W., I examine the adjustments of the instrument and correct all errors, then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a true meridian established by observations made on Polaris, I proceed as follows:

At the same station at 5h. 47m. 26s.p.m. by my watch which is 19m. 14s. fast of l.m.t., I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a rock about one half mile distant in the direction of N-E to Polaris.

Watch time of observation . . . . . 5h. 47m. 26s.p.m.
Watch fast of l. m. t. . . . . 19m. 14s.

Mean horizontal angle from rock to Polaris . . . 9° 53' N-E.

Azimuth of Polaris at observation . . . . . 1° 28' E.

True bearing of rock . . . . . = N.8° 25' W.

October 20, 1918, at 9h. a.m. apparent time, I set off 39° 50' on the latitude arc; 10° 11½'S., on the declination arc; and determine a meridian with the solar and find that the rock bears N.8° 25'W.

At apparent noon, with the latitude arc unchanged, I observe the sun on the meridian; the resulting reading of the declination arc is 10° 15'S., which agrees with the computed declination of the sun.

At the same station I make a meridian observation of the sun for apparent noon as follows:

With the telescope in the true meridian and elevated to sun's altitude, I observe the sun's transit for

Test of Instrument

time, noting the watch time of transit of each limb:

Mean watch time of apparent noon = 12h. 04m. 12s. p.m.
Watch fast of local mean time = 0h.19 m. 14s.

At 3h. p.m. apparent time, with the latitude arc unchanged, I set off 10°17'S., on the declination arc; and determine a meridian with the solar and find that the rock bears N.8° 25'W.

As all of the solar observations during the usual hours of solar work practically agree with the true meridian, I conclude that the adjustments of the instrument are satisfactory.

June 15, 1921, in camp near the cor. of secs. 5,6,7 and 8, T.12 S.,R.11 E., S.L.B & M., Utah, in approximate latitude 39° 48'N., longitude 110° 46'W., I make a meridian observation of the sun for apparent noon:

Mean watch time of observation = 12h. 21m. 09s.p.m.
Watch fast of local mean time = 0h. 21m. 0's.

At the same station, at 7h. 43m.31.5s.p.m.l.m.t., I make an hour angle observation on Polaris east of the meridian, making four observations, two each with the telescope in direct and reversed positions, noting as a reference point a tree on the horizon about 4 miles distant, and read the horizontal deflection angle from this tree in the direction of W-N-W to Polaris.

Watch time of observation = 8h. 04m. 31 s.p.m.
Mean horizontal angle from tree to Polaris = 25° 52' W-N-W.
Azimuth of Polaris = 0° 06' W.
True bearing of tree = N. 25° 46'E.

The mean observed altitude of Polaris at a mean time hour angle of 11h.44m.31.5s. and declination of 88° 52' 47" = 38° 42'

The reduced latitude of station is . . . . 39° 48'

June 16, 1921, at the same station I test the solar

Test of Instrument

apparatus by comparing its indications with the true meridian established by Polaris observation June 15, 1921 heretofore described.

At 8h. a.m. apparent time, I set off 39°48' on the lat. arc; 23° 21'N., on the decl. arc; and determine a meridian with the solar and find that the tree bears N.25° 48'E.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is 23° 21'N., which agrees with the computed declination of the sun.

At the same station I make a meridian altitude observation of the sun for latitude, observing the altitude of the sun's lower limb withthe telescope in direct position, reversing the transit and observing the sun's upper limb:

Mean watch time of observation, apparent noon = 12h. 21m. 09s. p.m.

Mean observed altitude = 73° 30'36"

Reduced latitude = 39° 48' 04"

At 4h. p.m. apparent time, with the latitude arc unchanged, I set off 23° 22'N., on the decl. arc; and determine a meridian with the solar and find that the tree bears N.25° 48'E.

As all of the solar observations during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

The instrument was kept in good adjustment during the progress of the survey and a final test made at the completion of the survey as follows:

June 30, 1921, at my station near the cor. of secs. 5,6, 7 and 8, T.12 S., R.11 E., at 8h. a.m. apparent time, I set off 39° 48' on the lat. arc;23° 12'N., on the decl. arc; and determine a meridian with the solar which I find to agree with the meridian established by Polaris observation June 15, 1921 heretofore

Test of Instrument

described.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is 23° 11'N., which agrees with the computed decl. of the sun.

At 4h.p.m. apparent time, with the lat. arc unchanged, I set off 23° 11'N., on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

DECLINATION ARC SETTINGS

In the declination arc settings, .80 of the tabulated refraction for computing declinations is used, allowance being made for the altitude of the country which is approximately 6500 ft.

MEASUREMENTS

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 5 chains in length compared with a Lufkin standard steel tape 1 chain long and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Resurvey of the east boundary of T.12 S.,R.11 E.

I begin at the cor. of Tps. 11 and 12 S., Rs. 11 and 12 E., which is a sandstone, 4 x 16 x 20 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

Thence,

Resurvey of the east boundary of T.12 S., R.11 E.

chains	
	South, on a retracement line bet. sets. 1 and 6.
40.66	Fall 1.52 chs. E. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is therefore S.2°08'W., and the distance is 40.69 chs.
	From ¼ sec. cor., continue
	South.
80.66	No trace of the cor. of secs. 1,6,7 and 12 can be found. Set temp. cor.
	From the temp. cor. of secs. 1,6,7 and 12.
	South, on a retracement line bet. secs. 7 and 12.
40.90	Fall 1.52 chs. E. of the ¼ sec. cor. hereinafter described.
	The bearing of the line bet. the ¼ sec, cor. bet. secs. 1 and 6 and the ¼ sec. cor. bet. secs. 7 and 12 is therefore S.1°05'W., and the proportionate distance for each ½ mile is 40.45½ chs.
	From the cor. of Tps. 11 and 12 S., 11 and 12 E.
	S.2° 08'W., on resurvey line bet. secs. 1 and 6.
	Ascend over mountainous land through dense aspen timber and undergrowth of sage, buck and deer brush.
14.10	Spur, 100 ft. above cor., projects NE.; gradually descend.
30.00	Begin steep descent over SE. slope, bears NE. and SW.
35.40	Draw, 85 ft. below spur, drains NE.; ascend N. slope 45 ft. to
40.69	The ¼ sec. cor., which is a sandstone, 10 x 6 x 8 ins., lying on the ground and marked ¼ on one face. No. accessories to cor.
	At exact position of old cor., I
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground and stand old cor. alongside for ¼ sec. cor. with brass cap marked

¼

S1 | S6

1918

chains

from which

An aspen, 6 ins.diam.,bears N.67½°E., 7 lks. dist., marked ¼ S 6 B T

An aspen, 6 ins.diam., bears S.3½°W., 45 lks. dist.,marked ¼ S 1 B T

Thence

S.1°05'W., with continuous measurement

Ascend abruptly.

58.80 Spur, 225 ft. above ¼ sec. cor., projects NE.; descend.

62.50 Draw, 25 ft. below spur, drains NE.; ascend over N. and NE. slopes.

81.145 Proportionate measurement; on general N. slope 125 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1,6,7 and 12, with brass cap marked

T12 S

R11E	R12E
S1	S6
S12	S7

1918

from which

An aspen, 6 ins.diam.,bears N.14¼°E., 23 lks. dist.,marked T 12 S R 12 E S 6 B T

An aspen, 6 ins.diam.,bears S.29½°E., 17 lks. dist.,marked T 12 S R 12 E S 7 B T

An aspen, 8 ins.diam.,bears S.23°W., 20 lks. dist.,marked T 12 S R 11 E S 12 B T

An aspen, 6 ins.diam.,bears N.66°W., 24 lks. dist.,marked T 12 S R 11 E S 1 B T

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

Soil, brown loam, decayed vegetation and rocky of sandstone formation. Subsoil, rich, black loam and rock.

Timber, dense aspen with scattering red pine.

Undergrowth, sage, buck, deer brush and chaparral.

Good grazing land.

S.1° 05'W., on resurvey line bet. secs. 7 and 12.

Resurvey of the west boundary of T.12 S.,R.11 E.

chains

Over rough mountainous land through dense aspen timber and undergrowth of sage, deer and buck brush. Ascend general N. slope.

37.00 Ridge, 200 ft. above sec. cor., bears NW. and SE.; descend across small basin.

40.45 The ¼ sec. cor., which is a sandstone, 12 x 12 x 10 ins. above ground, firmly set, and marked and witnessed as described by the surveyor general.

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

Soil, rich black loam and rocky of sandstone formation. Subsoil, moist, rich, black loam and rock.

Timber, dense aspen and scattering red pine.

Undergrowth, sage, buck and deer brush.

Good grazing land.

Resurvey of the West Boundary of T.12 S.,R.11 E.

From the closing cor. of Tp. 12 S., Rs. 10 and 11 E., which is an iron post, 3 ins. in dia., firmly set in a large mound of stone , and marked and witnessed as described by the surveyor general,

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

.28 No trace of the ¼ sec. cor. can be found.

40.28 No trace of the cor. of secs. 1,6,7 and 12 can be found. I therefore continue my line south with continuous measurement, and, at

81.23 Fall 1 lk. E. of the ¼ sec. cor. bet. secs. 7 and 12, which is a limestone, 40 x 16 x 6 ins., firmly set in a large mound of stone, and marked and witnessed as described by the surveyor general.

The bearing of this line is therefore North and the proportionate distance for each half mile is 40.47 chs.

Thence

From the ¼ sec. cor. bet. secs. 7 and 12.

North, on a resurvey line bet. secs. 7 and 12.

Over rolling foothills draining W.; through dense sage, scattering buck and service berry brush. Descend from

Resurvey of the West Boundary of T.12 S.,R.11 E.

chains	
	low ridge bearing E. and W.
7.10	Base of ridge, 50 ft. below ¼ sec. cor.; enter wide draw, bears E. and W.
18.40	Road in draw, bears E. and W.
19.20	Main wash in draw, 5 lks. wide, 8 ft. deep, drains W.; gradually ascend.
30.40	Leave draw and enter rough, rocky mountainous land, bears E. and W.; ascend.
40.47	Proportionate measurement; on rocky S. slope 275 ft. above draw.
	Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the ground on solid rock and 8 ins. in a mound of stone for cor. of secs. 1,6,7 and 12, with brass cap marked

T12S
R10E | R11E
S1 | S6
S12 | S7

1918

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

Land, rolling foothills on S. 30.40 chs.; rough mountains on N. 10.07 chs; general S. exposure and W. drainage.

Soil, light, brown, sandy, clay loam, gravelly and rocky of sandstone formation. Subsoil, dry, sandy clay and rock. Very rocky in northern portion of mile.

Undergrowth, dense sage and scattering buck and service berry brush.

No timber.

Good grazing land on S. 30.40 chs.

North, on resurvey line bet. secs. 1 and 6.

Over rough mountainous land, through scattering pinon and cedar timber and sagebrush undergrowth. Ascend abruptly S. slope over series of sandstone ledges.

5.00	Top of ledges, 260 ft. above cor., bears S.80°E. and W.; continue ascent.
11.30	Leave timber, bears E. and W.; begin very gradual ascent.
22.15	Ridge, 500 ft. above sec. cor., bears N.5°E. and SE.; gradually descend over W. slope.

chains	
32.10	Head of draw, 50 ft. below ridge, drains W.; ascend abruptly S. slope 125 ft. to
40.47	Proportionate measurement,
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in a large mound of stone on solid rock for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S1 | S6 1918
	Raise a mound of stone, 2 ft.base, $1\frac{1}{2}$ ft.high, W.of cor.
40.76	The closing cor. of T.12 S., Rs. 10 and 11 E.
	Land, rough mountains; S. exposure and drainage.
	Soil, shallow brown clay, gravelly and rocky of sandstone and limestone formation. Subsoil, clay and rock.
	Timber, scattering scrub pinon and cedar on S. part of mile.
	Undergrowth, sage and scattering service berry brush.
	Good grazing land.
	Resurvey of Subdivision of T.12 S.,R.11 E.
	From the cor. of secs. 1,6,7 and 12 on the E. bdy. of the township, heretofore described.
	S.89°56'W., on a retracement line bet. secs. 1 and 12.
40.15	No trace of the old $\frac{1}{4}$ sec. cor. can be found.
80.30	(Record) No trace of the cor. of secs. 1,2,11 and 12 can be found. Set temp. cor.
	From temp. cor. of secs. 1,2,11 and 12.
	S.89°53'W., on a retracement line bet. secs. 2 and 11.
40.105	(Record) No trace of the $\frac{1}{4}$ sec. cor. can be found.
80.21	(Record) No trace of the cor. of secs. 2,3,10 and 11 can be found. Set temp. cor.
	From temp. cor. of secs. 2,3,10 and 11.

chains	
	S.89°51'W., on a retracement line bet. secs. 3 and 10.
40.09	(Record) No trace of the ¼ sec. cor. can be found.
80.18	(Record) No trace of the cor. of secs. 3,4, 9 and 10 can be found. Set temp. cor.
	From temp. cor. of secs. 3,4,9 and 10.
	S.89°48'W., on a retracement line bet. secs. 4 and 9.
40.10	(Record) No trace of the ¼ sec. cor. can be found.
80.20	(Record) No trace of the cor. of secs. 4,5,8 and 9 can be found. Set temp. cor.
	From temp. cor. of secs. 4,5,8 and 9.
	S.89°54'W., on a retracement line bet. secs. 5 and 8.
40.05	(Record) No trace of the ¼ sec. cor. can be found.
80.10	Record) No trace of the cor. of secs. 5,6,7 and 8 can be found. Set temp. cor.
	From temp. cor. of secs. 5,6,7 and 8.
	N.57°59'W., on a retracement line bet. secs. 6 and 7.
47.16	(Record) No trace of the ¼ sec. cor. can be found.
78.69	Fall 1.27 chs. N. of the cor. of secs. 1,6,7 and 12 on the W. bdy. of the tp. heretofore described.
	Note: I return and adjust all temporary cors. on this retracement line to their proper proportional latitudinal positions.
	From the cor. of secs. 13,14,23 and 24, which is a limestone, 14 x 10 x 6 ins., firmly set in a mound of stone, and marked and witnessed as described by the surveyor general.
	North, on retracement line bet. secs. 13 and 14.
40.00	No trace of the ¼ sec. cor. can be found; I therefore continue my line north, making careful searches at intervals of 40.00 chs. for old cors. but fail to find any trace of same, and, at
161.64	Fall 1.82 chs. W. of the adjusted position for cor. of

chains	
	secs. 1,2,11 and 12.
	The true bearing of the line bet. secs. 1 and 12 is therefore S.88°37'W., and the distance is 80.83 chs.
	From the cor. of secs. 10,11,14 and 15 which is a sandstone, 24 x 16 x 2 ins., lying on the ground, marked with 2 notches on one, and 4 notches on cornering edge. No accessories to cor.
	Thence
	North, on a retracement line bet. secs. 10 and 11.
40.00	No trace of the ¼ sec. cor. can be found.
80.18	Fall 2.06 chs. W. of the adjusted position for the cor. of secs. 2,3,10 and 11.
	The true bearing of the line bet. secs. 2 and 11 is therefore N.89°14'W., and the distance is 80.73 chs.
	From the cor. of secs. 9,10,15 and 16, which is a sandstone, 8 x 8 x 4 ins., above ground, firmly set, and marked and witnessed as described by the surveyor general.
	North, on a retracement line bet. secs. 9 and 10.
40.00	No trace of the ¼ sec. cor. can be found.
79.98	Fall 1.55 chs. W. of the adjusted position for the cor. of secs. 3,4,9 and 10.
	The true bearing of the line bet. secs. 3 and 10 is therefore S.89° 51'W., and the distance is 80.69 chs.
	From the ¼ sec. cor. bet. secs. 8 and 9, which is a sandstone, 20 x 16 x 2 ins., lying on the ground, marked ¼ on one face. No accessories to cor.
	North, on a retracement line bet. secs. 8 and 9.
39.02	Fall 1.47 chs. W. of the adjusted position for the cor. of secs. 4,5,8 and 9.
	The true bearing of the line bet. secs. 4 and 9 is therefore N.89° 40'W., and the distance is 80.71 chs.

chains	
	From the adjusted position for the cor. of secs. 4,5,8 and 9 on the latitudinal line.
	North, on a retracement line bet. secs. 4 and 5.
40.00	No trace of the $\frac{1}{4}$ sec. cor. can be found.
	From the $\frac{1}{4}$ sec. cor. bet. secs. 7 and 8 which is a sandstone, 16 x 14 x 2 ins., loosely set in a mound of stone, marked $\frac{1}{4}$ on W. face, and witnessed by a small mound of stone around cor.
	North, on a retracement line bet. secs. 7 and 8.
38.69	Fall 1.95 chs. W. of the adjusted position for the cor. of secs. 5,6,7 and 8.
	Continue same line with continuous measurement.
80.00	No trace of the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 6 can be found.
	The true bearing of the line bet. secs. 5 and 8 is therefore S.89°59'W., and the distance is 80.61 chs.
	The true bearing of the line bet. secs. 6 and 7 is therefore N.58° 09'W., and the distance is 75.55 chs.
	From the cor. of secs. 1,6,7 and 12 on the E. bdy. of the tp., already described,
	S.88°37'W., on resurvey line bet. secs. 1 and 12.
	Over broken mountainous land sloping generally to the north; through dense aspen timber and deer brush undergrowth. Gradually ascend.
35.00	Leave aspen and enter dense pine timber, bears NW. and SE.; begin steep ascent NE. slope.
37.45	Top of steep ascent, leave pine and enter dense aspen timber, bears NW. and SE.
40.415	Proportionate measurement.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S1}{S12}$ 1921
	from which
	An aspen, 8 ins.diam., bears South, 24 lks.

Resurvey of Subdivision of T.12 S.,R.11 E.

chains	
	dist., marked S 12 B T
	An aspen, 8 ins.diam., bears N.47°W., 11 lks.
	dist.,marked S 1 B T
50.70	Leave aspen timber, bears NW. and SE.; thence over rolling mountain top through dense sagebrush.
73.90	Top of ridge and divide between Minnie Maude and Willow Creeks, 480 ft. above sec. cor., bears NW. and SE.
74.80	Begin steep descent over W, slope.
76.00	Enter aspen timber, bears NW. and SE.
77.91	The cor. of secs. 1 and 2 subsequently set at this point, for description of same see line bet. secs. 1 and 2.
80.83	Proportionate measurement.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 11 and 12, with brass cap marked

S11 | S12
T12S | R11E

1921

from which

An aspen, 5 ins.diam.,bears S.81°E., 47 lks.
dist.,marked T 12 S R 11 E S 12 B T

An aspen, 6 ins.diam.,bears S.49½°W., 35 lks.
dist.,marked T 12 S R 11 E S 11 B T

Cor. stands on general SW. slope subject to land slides, and is about 300 ft. below divide between Minnie Maude and Willow Creek Canyons.

Land, rough mountains; general N. and S. exposure and drainage from divide at 73.90 chs.

Soil, rich brown and black loams, streaked with sandstone rock; subsoil, rich, moist, loam and rock.

Timber, dense aspen and scattering clusters of red pine.

Undergrowth, dense deer and sagebrush.

Good grazing land.

From the cor. of secs. 11 and 12.

N.89° 14'W., on resurvey line bet. secs. 2 and 11.

Over rough mountainous land through dense aspen timber

chains	
	and undergrowth of sage, service berry and deer brush. Descend over W. and SW. slopes.
2.40	Leave timber, bears N. and S.
7.80	Canyon, heads about 6 chs. N. and drains S., 165 ft. below sec. cor.; gradually ascend over SE. slope.
15.40	Spur, 55 ft. above canyon, projects S.; descend.
20.40	Draw, 40 ft. below spur, drains SE.; ascend abruptly.
29.00	High spur, 210 ft. above draw, projects S.10°W.; descend abruptly over W. slope.
37.08	Westing of 40.00 chs. from the cor. of secs. 1 and 2. Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground on solid rock and 12 ins. in a mound of stone for ¼ sec. cor. S. bdy. sec. 2, with brass cap marked ¼ S2 1921 Raise a mound of stone, 2 ft.base, 1½ ft.high, N. of cor.
39.50	Head of canyon, 225 ft. below spur, drains SW.; thence along nearly S. slope.
40.36½	Proportionate measurement. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. N. bdy. sec. 11, with brass cap marked ¼ S11 1921 Raise a mound of stone, 2 ft.base, 1½ ft.high, S.of cor.
51.00	Spur, 30 ft. above head of canyon, projects S.; descend abruptly over W. slope.
66.20	Bottom of canyon and wash, 50 lks. wide, 8 ft. deep, stream of good water in same, 1 lk. wide, 1 in. deep, 475 ft. below spur, course S.; ascend.
77.08	Set an iron post, 3 ft. long, 2 ins. in dia., 10 ins. in the ground on solid rock and 14 ins. in a mound of stone for cor. of secs. 2 and 3, with brass cap marked T12S | R11E S3 | S2 1921

Resurvey of Subdivision of T.12 S., R.11 E.

chains

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

I also deposit a sandstone, 18 x 16 x 10 ins., marked with 2 notches on E. and 5 notches on S. edge, alongside iron post.

Cor. stands on steep SE. slope of ridge among low, broken sandstone ledges.

80.73 Proportionate measurement.

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

S10	S11
T12S	R11E

1921

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

Note: It is impracticable to set mound of stone in its proper position on account of steep slope.

Cor stands on steep SE. slope of mountain, 365 ft. above canyon.

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

Soil, shallow, brown clay loam, gravelly and rocky of sandstone and limestone formation; subsoil, hard, dry clay and rock.

Timber, aspen, on eastern portion of mile.

Undergrowth, sage, service berry and buck brush.

Good grazing land.

From the cor. of secs. 10 and 11.

S.89° 51'W., on resurvey line bet. secs. 3 and 10.

Over rough mountainous land through dense sage and scattering service berry undergrowth. Ascend abruptly over E. slope.

11.00 Ridge, 250 ft. above sec. cor., bears N. and S.; descend abruptly over W. slope.

29.00 Bottom of canyon and small stream, good water, 1 lk. wide, 1 in. deep, 580 ft. below ridge, course S.; a few scattering aspens along creek. Ascend abruptly E. slope.

chains	
36.36	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. S. bdy. sec. 3, with brass cap marked ¼ S3 1921 Raise a mound of stone, 2 ft. base, 1½ ft.high, N.of cor.
37.00	Spur, 230 ft. above canyon, projects S.; descend.
40.345	Proportionate measurement. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. N. bdy. sec. 10, with brass cap marked ¼ S10 1921 Raise a mound of stone, 2 ft. base, 1½ ft.high, S.of cor.
40.50	Draw, 65 ft. below spur, drains S.; ascend general E. slope of high ridge.
69.25	Ridge, 570 ft. above draw, bears N. and S.; a narrow strip of dense aspen timber along top of E. slope of ridge. Descend abruptly grassy W. slope.
76.36	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 3 and 4, with brass cap marked T12 S | R11E S4 | S3 1921 Raise a mound of stone, 2 ft. base, 1½ ft.high, N.of cor.
80.69	Proportionate measurement; on steep W. slope, 250 ft. below ridge. Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 9 and 10, with brass cap marked S9 | S10 T12S | R11E 1921 Raise a mound of stone, 2 ft. base, 1½ ft.high, S.of cor.

chains

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

Soil, brown loam, gravelly and rocky of sandstone formation; subsoil, dry, brown clay and rock.

Timber, scattering clusters of aspen.

Undergrowth, dense sage, scattering service berry and buck brush.

Good grazing land.

From the cor. of secs. 9 and 10

N.89°40'W., on resurvey line bet. secs. 4 and 9.

Over rough mountainous land through sage, choke cherry and buck brush undergrowth. Descend abruptly W. slope.

3.40 Enter dense aspen timber, bears N. and SW.

18.50 Bottom of canyon, 550 ft. below sec. cor., drains SW.; leave timber, bears N. and S. Ascend abruptly E. and SE. slopes.

36.20 Spur, 280 ft. above canyon, projects S.; gradually descend through dense buck brush.

40.355 Proportionate measurement; in draw, 60 ft. below spur, drains S.

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

$$\frac{1}{4}\ \frac{S4}{S9}\ 1921$$

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

Ascend abruptly E. slope through dense sagebrush.

51.60 Top of steep ascent, bears NW. and SE.; gradually ascend.

60.30 Spur, 350 ft. above ¼ sec. cor., projects S.; gradually descend.

68.00 Begin steep descent over W. and SW. slopes.

76.00 Enter scattering pinon and cedar timber, bears N. and S.

80.71 Proportionate measurement; on steep S. slope 325 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 18 ins. in a large mound of stone for cor. of secs. 4,5,8 and 9, with brass cap marked

Resurvey of Subdivision of T.12 S.,R.11 E.

chains	
	T12S | R11E S5 | S4 S8 | S9 1921
	from which
	A red pine, 12 ins.diam.,bears S.22½°E., 211 lks. dist.,marked T 12 S R 11 E S 9 B T
	A pinon, 24 ins.diam., bears S.0°45'W., 62 lks. dist.,marked T 12 S R 11 E S 8 B T
	A pinon, 12 ins.diam.,bears N.44¾°W., 74 lks. dist.,marked T 12 S R 11 E S 5 B T
	No other trees available.
	I also deposit a sandstone, 28 x 16 x 8 ins., marked with 4 notches on E. and 5 notches on S. edge, alongside iron post.
	Land, rough mountains with general E. and W. slopes of ridges and spurs into canyons which drain S.
	Soil, rich brown loam, gravelly and rocky of sandstone formation; subsoil, moist, sticky clay and rock.
	Timber, aspen in eastern portion and scattering pinon, cedar and red pine in western portion of mile.
	Undergrowth, sage, service berry, deer and buck brush.
	Good grazing land.
	From the cor. of secs. 4,5,8 and 9.
	S.89°59'W., on resurvey line bet. secs. 5 and 8.
	Over rough mountainous land through cedar, pinon and red pine timber and undergrowth of sage, service berry and buck brush. Descend abruptly S. and SW. slopes strewn with large sandstone boulders.
13.70	Draw, 470 ft. below cor., drains SW.; ascend abruptly E. slope over ledges and boulders.
27.20	Spur, 240 ft. above draw, projects S.; gradually descend SW. slope.
35.10	Top of sandstone ledge and leave timber, bears NW. and SE.; descend abruptly.
36.80	Foot of ledge, 50 ft. high, bears NW. and SE.
40.305	Proportionate measurement; on steep, rocky, W. slope.

Resurvey of Subdivision of T.12 S.,R.11 E.

chains	
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¾ sec. cor., with brass cap marked
	$\frac{1}{4}$ S5 / S8 1921
	Raise a mound of stone, 2 ft. base, 1½ ft.high, N.of cor.
46.40	Foot of mountain and enter valley, 500 ft. below spur, bears NW. and SE.
71.40	Old road, bears N. and S.
71.50	Net wire fence, bears N. and S.; enter A.L.Pace's cultivated field.
80.61	Proportionate measurement.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 5,6,7 and 8, with brass cap marked
	T12S | R11E S6 | S5 S7 | S8 1921
	Cor. stands in cultivated field; impracticable to build accessories or bury memorial.
	Land, E. 46.40 chs. rough mountains; remainder of mile rolling valley; general S. exposure and drainage.
	Soil, of mountainous land, red and brown clay and rocky of sandstone formation; subsoil, rocky. Soil of valley, brown loam and gravel; subsoil, moist brown loam.
	Timber, cedar, pinon and red pine on E. 35.10 chs.
	Undergrowth, sage, service berry and buck brush.
	Eastern portion of mile good grazing land, western portion suitable for farming.
	From the cor. of secs. 5,6,7 and 8.
	N.58° 09'W., on resurvey line bet. secs. 6 and 7.
	Over nearly level cultivated land belonging to A.L.Pace.
3.25	Wire fence, bears N. and S.
22.10	Wire fence and leave cultivated land, enter dense sagebrush undergrowth, bears N. and S.
23.50	Pole Creek, 3 lks. wide, 2 ins. deep, good water; in bottom of wash, 80 lks. wide, 20 ft. deep, course S.

chains	
27.05	Road, bears N.10°W. and S.10°E.
27.25	Leave valley and enter rolling hills, bears N.10°W. and S.10°E.; ascend E. slope.
30.50	Top of steep ascent on E. brink of spur, bears N. and S.; from this point A.L.Pace's house bears N.70°E., barn bears N.74° 55'E.
35.00	Low ridge, 125 ft. above Pole Creek, bears N. and S.; gradually descend.
39.85	Road, bears NE. and SW.
40.00	Draw, 50 ft. below ridge, drains SW.; gradually ascend.
47.40	Proportionate measurement; at foot of mountain, the surface strewn with large sandstone boulders.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked S6 / ¼ / S7 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Thence along rough, rocky, S. slope of mountain over large boulders and small sandstone ledges.
75.55	The cor. of secs. 1,6,7 and 12 on the W. bdy. of the tp. heretofore described.
	Land, E. 27.25 chs. nearly level valley; remainder of mile rolling hills and rough mountains; general S. exposure and drainage.
	Soil of valley, rich brown loam about 2 ft. deep; soil on remainder of mile, rocky of sandstone formation and mixed with considerable red and brown clay; subsoil, rocky.
	No timber.
	Undergrowth, sagebrush.
	Eastern portion of mile suitable for farming; western portion affords good grazing.

From the cor. of secs. 4,5,8 and 9.

North, on resurvey line bet. secs. 4 and 5.

chains	
	Over rough mountainous land through scattering cedar and pinon timber and undergrowth of sage and service berry brush. Ascend steep and rocky SW. slope.
3.00	Spur, 90 ft. above cor., projects W.; thence along nearly W. slope.
7.70	Head of small draw, about level with spur, drains SW.; leave timber, bears NE. and SW.; ascend S. slope.
17.05	Spur, 165 ft. above draw, comes from ridge about 6 chs. NE. and projects W.; gradually descend.
17.60	W. edge of small aspen thicket, bears NE. and SE.
23.00	Head of draw, drains W.; gradually ascend.
27.20	Ridge, bears E. and W.; descend over N. slope through dense sagebrush, 75 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¾ sec. cor., with brass cap marked

¼
S5 | S4
1921

from which

An aspen, 4 ins.diam.,bears S.34½°E., 524 lks. dist.,marked ¼ S 4 B T

An aspen, 4 ins.diam.,bears S.75°W., 385 lks. dist.,marked ¾ S 5 B T

For land rating, see N. ½ of this mile.

From the cor. of secs. 5,6,7 and 8.

North, on resurvey line bet. secs. 5 and 6.

Gradually ascend over nearly level cultivated land sloping S.

.05 From this point A.L.Pace's house bears N.33°W.; barn bears N.16°W.

6.95 Wire fence, bears E. and W.

15.25 Wire fence, bears NW. and SE.

20.79 Pole fence and leave cultivated land, bears N.80 W. and S.80°E.

21.09 Irrigation ditch, 3 ft. wide, 1 ft. deep, course E.;

North boundary of T.12 S.,R.11 E.

chains	
	leave valley and enter rough mountainous land, scattering pinon and cedar timber and sage and service berry undergrowth, bears N.80°W. and S.80°E.; ascend abruptly over S. slope.
32.40	Spur, 330 ft. above sec. cor., projects SW.; leave timber, bears NE. and SW.; descend NW. slope.
40.00	On NW. slope 100 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S6 | S5 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	For land rating see N. ½ of this mile.

North boundary of T.12 S.,R.11 E.

From the cor. of Tps. 11 and 12 S., Rs. 11 and 12 E., heretofore described.

West, on a random line, along the N. bdy. of T.12 S., R.11 E., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs.; and, at 469.75 chs. fall 68 lks. N. of the closing cor. of T. 12 S., Rs. 10 and 11 E. heretofore described.

The falling answers to a correction of 0° 05', or 11 1/3 lks. S. per mile counting from the cor. of Tps. 11 and 12 S., Rs. 11 and 12 E.; I therefore return to the cor. of Tps. 11 and 12 S., Rs. 11 and 12 E.

Thence

S.89°55'W., on true line bet. secs. 1 and 36.

Over mountainous land through dense aspen and scattering pine timber and undergrowth of deer and sagebrush. Gradually ascend over NE. slope.

18.00 Leave dense aspen timber, bears N. and S.

North boundary of T.12 S.,R.11 E.

chains	
18.60	Spur, 80 ft. above tp. cor., projects N.
18.71	From this station, Al. Thompson's lumber cabin, 12 x 18 ft., bears N.30°23'E.
	Descend abruptly over W. slope.
21.10	Enter dense aspen timber, bears N. and S.
37.00	Draw, 140 ft. below spur, drains N.10°E.; gradually ascend E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S36 / S1 / 1918
	from which
	An aspen, 5 ins.diam.,bears N.5°E., 3 lks. dist.,marked ¼ S 36 B T
	An aspen, 6 ins.diam.,bears S.7°W., 39 lks. dist.,marked ¼ S 1 B T
42.35	Begin steeper ascent E. slope subject to land slides.
49.33	From this station, Al Thompson's cabin, bears N.48°35'E.
54.40	Spur, 240 ft. above draw, projects NE.; gradually descend over N. and NW. slopes.
56.10	Draw, 35 ft. below spur, drains NE.; gradually ascend.
80.00	On gentle N. slope in dense aspen timber, 100 ft. above draw,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1,2,35 and 36, with brass cap marked
	T11S R11E / S35 S36 / S2 S1 / T12S / 1918
	from which
	An aspen, 14 ins.diam.,bears N.65¾°E., 58 lks. dist.,marked T 11 S R 11 E S 36 B T
	An aspen, 10 ins.diam.,bears S.61½°E., 16 lks. dist.,marked T 12 S R 11 E S 1 B T
	An aspen, 11 ins.diam.,bears S.50¾°W., 38 lks. dist.,marked T 12 S R 11 E S 2 B T

chains	
	An aspen, 12 ins.diam., bears N.58¾°W., 63 lks. dist.,marked T 11 S R 11 E S 35 B T
	Land, mountainous; N. exposure and drainage.
	Soil, rich brown and black loam, streaked with sandstone rock; subsoil, moist black loam and rock.
	Timber, aspen and scattering pine.
	Undergrowth, sage, deer and scattering service berry brush.
	Good grazing land.
	S.89° 55' W., on true line bet. secs. 2 and 35.
	Over mountainous land through dense aspen and scattering pine timber and undergrowth of deer, sage, buck and service berry brush. Gradually ascend general N. slope.
7.90	Spur, 50 ft. above sec. cor., projects NE.; gradually descend NW. slope.
21.00	Draw, 70 ft. below spur, drains NE.; gradually ascend E. slope.
25.00	Spur, 30 ft. above draw, projects NE.; descend.
30.30	Main draw, 30 ft. below spur, drains NE.; gradually ascend SE. slope.
36.00	Leave aspen timber, bears NE. and S.85°W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked $\frac{1}{4}\ \frac{S35}{S2}$ 1918
	from which
	An aspen, 6 ins.diam.,bears S.61½°W., 35 lks. dist.,marked ¼ S 2 B T
	An aspen, 6 ins.diam.,bears N.80°W., 23 lks. dist.,marked ¼ S 35 B T
	Ascend along S. and SE. slopes of high spur; a few scattering pine trees on slope.
78.60	Spur, 510 ft. above draw, projects S.; gradually descend along S. slope.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 25 ins. in the ground for cor. of secs. 2,3,34 and 35 with brass

North boundary of T.12 S., R.11 E.

chains	
	cap marked T11S | R11E S34 | S35 S3 | S2 T12S 1918
	Raise a mound of stone, 2 ft.base, 1½ ft.high, W. of cor.
	Land, mountainous; N. exposure and drainage on E. 30.30 chs., S. exposure and drainage on remainder of mile.
	Soil, brown and black loams, gravelly and rocky of sandstone formation; subsoil, rich loam and rock.
	Timber, aspen, scattering red and jack pine.
	Undergrowth, deer, buck, sage and service berry brush.
	Good grazing land.
	S.89° 55'W., on true line bet. secs. 3 and 34.
	Over rough mountainous land through dense sagebrush undergrowth. Gradually descend along S. slope.
1.26	From this station a pole corral bears S.46°E., about 58.00 chs. distant.
6.80	Head of draw, 30 ft. below cor., drains SE.; enter dense aspen timber and deer and buck brush undergrowth, bears N. and S. Ascend abruptly E. slope.
13.90	Leave timber, bears N. and S.
15.60	Spur, 150 ft. above draw, projects S.; descend W. slope.
16.60	Enter aspen timber, bears N. and S.
26.30	Draw, 115 ft. below spur, drains S.20°E.; gradually ascend E. slope.
40.00	On E. slope in dense aspen timber.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S 34 / S 3 1918
	from which
	An aspen, 12 ins.diam., bears N.9½°E., 19 lks. dist., marked ¼ S 34 B T
	An aspen, 10 ins.diam., bears S.40°W., 8 lks. dist., marked ¼ S 3 B T

chains	
	Continue ascent.
42.70	Leave aspen timber, bears N. and S.
44.60	Spur, 160 ft. above draw, projects N.; descend W. slope.
49.00	Enter dense aspen and scattering pine timber, bears N. and S.
58.70	Draw, 200 ft. below spur, drains N.; gradually ascend.
67.00	Ascend abruptly E. slope.
72.10	Leave timber, bears N. and S.
77.00	Spur, 205 ft. above draw, projects N.; gradually descend.
78.00	Enter dense aspen and pine timber, bears N. and S.20°W.
80.00	On gentle N. slope in dense timber.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 3,4,33 and 34, with brass cap marked

T11S	R11E
S33	S34
S4	S3

T12S
1918

from which

A pine, 12 ins. diam.,bears N.11¾°E., 22 lks. dist.,marked T 11 S R 11 E S 34 B T

A pine, 6 ins.diam.,bears S.34½°E., 14 lks. dist.,marked T 12 S R 11 E S 3 B T

A pine, 12 ins.diam.,bears S.63¾°W., 24 lks. dist.,marked T 12 S R 11 E S 4 B T

A pine, 10 ins.diam.,bears N.51¾°W., 27 lks. dist.,marked T 11 S R 11 E S 33 B T

Land, mountainous, with general E. and W. slopes of spurs into draws which drains N. and NE.

Soil, rich brown and black mountain loam streaked with sandstone rock; subsoil, moist brown loam and rock.

Timber, aspen and pine.

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

Good grazing land.

S.89° 55'W., on true line bet. secs. 4 and 33.

North boundary of T.12 S.,R.11 E.

chains	
	Over rough mountainous land through dense pine and scattering aspen timber. Descend W. slope.
3.70	Leave dense pine and enter dense aspen timber, bears N. and S.
8.80	Draw, 125 ft. below sec. cor., drains N., gradually ascend E. slope.
15.80	Leave dense and enter scattering aspen timber with dense undergrowth of sagebrush, bears N. and S.
21.00	Top of ridge divide between Minnie Maude and Willow Creek Canyons, 310 ft. above draw, bears NW. and SE.; descend steep SW. slope.
29.40	Leave timber and enter dense service berry undergrowth, bears NW. and SE.
40.00	On SW. slope in dense service berry undergrowth, 460 ft. below divide.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. S. bdy. sec. 33, with brass cap marked
	½ S33 / 1918
	Raise a mound of stone, 2 ft. base, 1½ ft.high, N.of. cor.
40.50	Head of small draw, drains SW.; thence along nearly S. slope.
45.01	Easting of 40.00 chs. from the closing cor. of secs. 4 and 5, T.12 S., R.11 E.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins.in the ground for ¼ sec. cor. N. bdy. sec. 4, with brass cap marked
	½ S4 / 1921
	Raise a mound of stone, 2 ft.base, 1½ ft.high, S.of cor.
57:20	Spur, 150 ft. below draw, projects SW.; descend along N. and NW. slopes.
70.00	Begin descent over W. slope.
80.00	On W. slope 300 ft. below spur.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins.

chains	
	in the ground for cor. of secs. 32 and 33, T.11 S., R.11 E., with brass cap marked T11S | R11E S32 | S33 1918 Raise a mound of stone, 2 ft. base, 1½ ft.high, N.of cor.
	Land, mountainous; general N. and S. exposure and drainage from divide at 21.00 chs.
	Soil, brown sandy loam, gravelly and rocky of sandstone formation; subsoil, hard, moist, sticky clay and rock.
	Timber, aspen and pine on eastern portion of mile.
	Undergrowth, sage, service berry and buck brush.
	Good grazing land.
	S.89° 55'W., on true line along S. bdy. sec.32.
	Over mountainous land through dense sage and scattering service berry brush. Descend W. slope.
5.01	Point for the closing cor. of secs. 4 and 5, T.12 S., R.11 E.
10.10	Bottom of draw and wash, 20 lks. wide, 10 ft. deep, 150 ft. below sec. cor., drains S.; ascend.
14.70	Spur, 25 ft. above draw, projects S.; descend.
16.90	Descend abruptly over small sandstone ledges bearing NW. and SE.
34.30	Bottom of large draw and wash, 10 lks. wide, 20 ft. deep, 215 ft. below spur, drains NW.; gradually ascend.
36.20	Wash, 30 lks. wide, 5 ft. deep, drains N.
37.70	Low point of spur, 15 ft. above wash, projects N.; descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. S. bdy. sec. 32, T.11 S., R.11 E., with brass cap marked ¼ S32 1918 Raise a mound of stone, 2 ft.base, 1½ ft.high,N. of cor.
41.00	Wash, 10 lks. wide, 10 ft. deep, in bottom of draw, 35 ft. below spur, drains S.60°W.; thence in bottom of

chains	
	draw.
43.50	Wash, 15 lks. wide, 10 ft. deep, drains S.
45.24	Point midway bet. the closing cor. of secs. 4 and 5 and the closing cor. of secs. 5 and 6, T.12 S., R.11 E.,
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. N. bdy. sec. 5, with brass cap marked
	¼ S5 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
48.00	Old road, bears NE. and SW.
50.00	Leave draw, bears NE. and SW.; ascend SE. slope.
60.60	Spur, 75 ft. above draw, projects SW.; descend.
68.40	Wash, 30 lks. wide, 20 ft. deep, in bottom of Pole Canyon, stream of good water, 2 lks. wide, 1 in. deep in same, 115 ft. below spur, course S.; ascend.
71.40	Old road in Pole Canyon, bears N. and S.
72.60	Begin steep ascent over broken sandstone ledges, bears N. and S.
79.00	Top of ledges, bears N.30°E. and S.30°W.; continue ascent.
80.00	On E. slope, 200 ft. above canyon.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 31 and 32, T.11 S., R.11 E., with brass cap marked
	T11S | R11E S31 | S32 1918
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Land, mountainous; general S. exposure and drainage.
	Soil, red and brown clay, gravelly and rocky of sandstone formation; subsoil, moist, sticky clay and rock.
	No timber.
	Undergrowth, sage, service berry and greasewood.
	Good grazing land.

chains	
	S.89° 55'W., on true line along S. bdy. sec. 31.
	Over mountainous land through sage and service berry undergrowth. Ascend E. and SE. slopes.
5.47	Point for closing cor. of secs. 5 and 6, T.12 S., R.11 E.
15.25	Spur, 260 ft. above sec. cor., projects S.; descend.
24.30	Begin abrupt descent W. slope, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. S. bdy. sec. 31, T.11 S., R.11 E., with brass cap marked ¼ S31 1918 Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
40.80	Bottom of canyon and wash, 1.10 chs. wide, 25 ft. deep, 430 ft. below spur, drains S.; ascend E. slope.
45.40	Point for ¼ sec. cor. N. bdy. sec. 6, T.11 S.,R.11 E. will fall on face of large boulder where cor. cannot be set, therefore, at this point, Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor., N. bdy. sec. 6, T.12 S.,R.11 E., with brass cap marked WC ¼ S6 1921 Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
45.47	Westing of 40.00 chs. from the closing cor. of secs. 5 and 6, T.12 S.,R.11 E. and point for ¼ sec. cor. N. bdy. sec. 6; point for ¼ sec. cor. falls on large boulder and cor. cannot be set.
68.00	Ridge, 570 ft. above canyon, bears N. and S.; gradually descend.
69.75	The closing cor. of T.12 S., Rs. 10 and 11 E.
	Land, rough mountains; general S. exposure and drainage.
	Soil, brown clay loam, gravelly and rocky of sandstone formation; subsoil, hard, moist, sticky clay and rock.
	No timber.
	Undergrowth, sage and service berry brush.

chains

Good grazing land.

Subdivision of T.12 S.,R.11 E.

From the cor. of secs. 1;2,35 and 36 on the N. bdy. of the tp.;

South; on a random line bet. secs. 1 and 2

40:00 Set temp. ½ sec. cor.

82.77 Intersect E. and W. line 2.92 chs. N.88° 37' E. of the cor. of secs. 11 and 12.

At point of intersection,

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

T12S | R11E
S2 | S1

1918

from which

An aspen, 6 ins.diam.,bears N.64¾°E., 18 lks. dist.,marked T 12 S R 11 E S 1 B T

An aspen, 5 ins.diam.,bears N.51¾°W., 19 lks. dist.,marked T 12 S R 11 E S 2 B T

Thence

North, on true line bet. secs. 1 and 2.

Over rough mountainous land through dense aspen timber and undergrowth of sage, service berry and deer brush. Ascend abruptly SW. slope.

4.85 Top of small sandstone ledge and leave timber, bears NW. and SE.

7.60 Top of ridge divide between Minnie Maude and Willow Cr. Canyons, 80 ft. above sec. cor., bears N.70°W. and SE.; gradually descend over rolling mountain top.

13.00 Enter dense aspen timber, bears NE. and S.10°W.

28.70 Center of small opening in timber, extends N. and S. about 2 chs.; and NE. and SW. about 10 chs. distant.

33.70 Brink of mountain top, bears NW. and SE.; descend more rapidly.

Subdivision of T.12 S.,R.11 E.

chains	
40.00	On nearly E. slope, 200 ft. below divide.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. W. bdy. sec. 1, with brass cap marked
	¼ S1 / 1921
	from which
	An aspen, 4 ins.diam.,bears N.25°E., 22 lks. dist.,marked ¼ S 1 B T
	An aspen, 4 ins.diam.,bears S.73¾°E., 12 lks. dist.,marked ¼ S 1 B T
42.77	Set a sandstone, 30 x 20 x 4 ins., 20 ins. in the ground, marked ¼S2 on W. face for ¼ sec. cor. E. bdy. sec. 2;
	from which
	An aspen, 4 ins.diam.,bears N.47¾°W., 45 lks. dist.,marked ¼ S 2 B T
	An aspen, 5 ins.diam.,bears S.14°W., 22 lks. dist.,marked ¼ S 2 B T.
	Iron post not available.
46.50	Base of descent on E. slope; gradually ascend.
48.40	Spur, projects E.; enter dense pine with scattering aspen timber, bears E. and W.; descend abruptly.
52.40	Base of steep descent and leave dense pine and enter dense aspen timber, bears NW. and SE.; gradually descend over N. slope.
82.77	The cor. of secs. 1,2,35 and 36 on the N. bdy. of the tp., 400 ft. below ¼ sec. cor. for sec. 1.
	Land, mountainous; general N. and S. exposure and drainage from divide.
	Soil, rich brown and black mountain loam mixed with rock; subsoil, hard, moist loam and rock. Sandstone formation.
	Timber, aspen and scattering red pine.
	Undergrowth, dense sage, scattering service berry and deer brush.
	Good grazing land.

Subdivision of T.12 S.,R.11 E.

CHAINS	
	From the cor. of secs. 2,3,34 and 35 on the N. bdy. of the tp.,
	South, on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
81.60	Intersect E. and W. line 7 lks. W. of the cor. of secs. 2 and 3.
	Thence
	N.0°03'W., on true line bet. secs. 2 and 3.
	Over rough mountainous land through undergrowth of sage, service berry, deer and buck brush. Ascend abruptly SE. and E. slopes.
8.40	Flat spur, 200 ft. above cor., projects E.; gradually descend.
13.40	Head of small draw, drains E.; ascend abruptly.
37.70	Top of ridge divide bet. Minnie Maude and Willow Creek Canyons, 200 ft. above draw, bears NW. and SE.; a high spur, projects S.15°W. from ridge at this point.; gradually descend over N. slope.
41.60	On gentle N. slope in dense sagebrush.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S3 | S2 1921
	from which
	An aspen, 7 ins.diam., bears S.35$\frac{1}{2}$°E., 177 lks. dist., marked $\frac{1}{4}$.S 2 B T
	No other trees available.
	Raise a mound of stone, 2 ft. base, 1$\frac{1}{2}$ ft. high, W. of cor.
50.70	Leave dense undergrowth and enter dense aspen timber, bears NW. and S.10°E.
57.00	Begin abrupt descent N. slope, bears E. and W.
61.00	Main draw, 250 ft. below $\frac{1}{4}$ sec. cor., drains NE.; gradually ascend S. slope.
72.90	Spur, 125 ft. above draw, projects E.; gradually descend.

chains	
76.70	Draw, 25 ft. below spur, drains SE.; leave aspen timber bears NW. and SE.; ascend abruptly over S. slope 150 ft. to
81.60	The cor. of secs. 2,3,34 and 35 on the N. bdy. of the tp.
	Land, rough mountains; general N. and S. exposure and drainage from divide.
	Soil, brown clay loam, gravelly and rocky of sandstone formation; subsoil, hard, dry clay and rock.
	Timber, dense aspen and scattering pine in north central portion of mile.
	Undergrowth, sage, service berry, buck and deer brush.
	Good grazing land.
	From the cor. of secs. 3,4,33 and 34 on the N. bdy. of the tp.
	S.0°03'E., on a random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
81.63	Intersect E. and W. line 23 lks. E. of the cor. of secs. 3 and 4.
	Thence
	N.0°07'E., on true line bet. secs. 3 and 4.
	Over mountainous land through undergrowth of sagebrush and service berry brush. Gradually descend along W. slope of high ridge.
15.20	Top of steep descent and enter dense aspen timber, bears E. and W.; descend abruptly N. slope.
23.50	Draw, 200 ft. below sec. cor., drains SW.; leave aspen timber, bears NE. and SW.; ascend abruptly S. and SE. slopes.
36.50	Spur, 310 ft. above draw, projects SW.; gradually descend.
38.15	Enter dense aspen thicket, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. sec. 4, with brass cap marked

chains	
	¼ S4
	1921.
	from which
	An aspen, 6 ins.diam., bears S.72½°W., 20 lks. dist.,marked ¼ S 4 B T
	An aspen, 5 ins.diam., bears N.24°W., 30 lks. dist.,marked ¼ S 4 B T
41.63	Set a sandstone, 24 x 13 x 3 ins., 18 ins. in the ground, marked ¼ S 3 on E. face for ¼ sec. cor. W. bdy. sec. 3;
	from which
	An aspen, 4 ins.diam., bears N.23°E., 23 lks. dist.,marked ¼ S 3 B T
	An aspen, 4 ins.diam., bears S.47°E., 28 lks. dist., marked ¼ S 3 B T
42.00	Iron post not available.
43.00	Head of draw, 35 ft. below spur, drains SW.; ascend abruptly over S. slope;
45.20	Leave timber, bears E. and W.
50.40	Enter scattering pine timber, bears E. and W.
59.30	Top of ridge divide between Minnie Maude and Willow Creek Canyons, 525 ft. above draw, bears N.80°W. and S.80°E.; leave pine timber, bears E. and W.; gradually descend N. slope through dense sagebrush.
76.85	Leave sagebrush and enter dense pine and aspen timber, bears NE. and S.5°W.
81.63	The cor. of secs. 3,4,33 and 34 on the N. bdy. of the tp.
	Land, rough mountains; general N. and S. exposure and drainage from divide.
	Soil, brown and black loams, gravelly and rocky of limestone and sandstone formation; subsoil, moist loam and rock.
	Timber, scattering patches of aspen and pine.
	Undergrowth, sage, service berry, deer and buck brush.
	Good grazing land.

CHAINS	
	From the ¼ sec. cor. bet. secs. 4 and 5.
	North, on true line bet. secs. 4 and 5.
	Gradually descend over N. slope of rolling mountainous land, through dense undergrowth of sagebrush. Scattering patches of dense aspen timber on both sides of line.
7.50	Enter W. edge of dense aspen thicket, bears NE. and SE.
11.50	Shallow draw, 90 ft. below ¼ sec. cor., drains NW.; gradually ascend.
15.80	Spur, 10 ft. above draw, projects NW.; descend.
23.90	Enter dense aspen timber, bears E. and W.
26.90	Leave timber, bears E. and W.
29.00	Bottom of draw and stream, 2 lks. wide, 1 in. deep, 55 ft. below spur, course N.75°W.; ascend S. and SW. slopes through dense sage and service berry brush.
37.90	Spur, 60 ft. above draw, projects SW.; thence along W. slope.
41.04	Intersect N. bdy. of the tp., 5.01 chs. S.89° 55'W. of the cor. of secs. 32 and 33.
	At point of intersection,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 4 and 5, with brass cap marked
	T11SR11E S32 S5 | S4 CC T12S 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	Land, mountainous with general N. and S. slopes of ridges and spurs into draws draining W.
	Soil, shallow brown loam, gravelly and rocky of sandstone formation; subsoil, hard, moist, sticky brown clay and rock.
	Timber, scattering patches of aspen, pinon and cedar
	Undergrowth, dense sage, scattering service berry and buck brush.
	Good grazing land.

Subdivision of T.12 S., R.11 E.

chains	
	From the ¼ sec. cor. bet. secs. 5 and 6.
	North, on true line bet. secs. 5 and 6.
	Over mountainous land through dense undergrowth of sage and service berry brush. Descend over NW. slope.
7.90	Enter bottom of Pole Creek Canyon, 175 ft. below ¼ sec. cor., bears N.10°E. and SW.
8.00	Irrigation ditch, 2 lks. wide, 1 ft. deep, course SW.
8.60	Bottom of Pole Creek Canyon and wash, 1 ch. wide, 30 ft. deep, stream of good water, 4 lks. wide, 1 in. deep in same, course S.30°W.; gradually ascend.
20.75	Leave canyon bottom, bears NE. and SW.; ascend abruptly over SE. and S. slopes, 425 ft. to
40.92	Intersect N. bdy. of the tp. 5.47 chs. S.89° 55'W. of the cor. of secs. 31 and 32.
	At point of intersection,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 5 and 6, with brass cap marked

T11SR11E
S31
S6 | S5
CC
T12S
1921

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

Land, S. 21.09 chs. nearly level valley; remainder of mile rough mountains; general S. exposure and drainage.

Soil, of valley, rich brown loam about 3 ft. deep; soil of mountainous land, brown clay loam, gravelly and rocky of sandstone formation; subsoil, hard, moist, sticky clay and rock.

Timber, a few scattering pinon and cedar on northern portion of mile.

Undergrowth, sage, service berry and buck brush.

Good grazing and farming land.

Boundaries of T.12 S., R.11 E.

Latitudes, departures and closing errors.

Lines designated	True bearings	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
			chs	chs	chs	chs
N.bdy. sec.12	S.88°37'W.	80.83	.....	1.95	.....	80.81
N.bdy. sec.11	N.89°14'W.	80.73	1.08	.....	.....	80.72
N.bdy. sec.10	S.89°51'W.	80.69	.....	.21	.....	80.69
N.bdy. sec.9	N.89°40'W.	80.71	.47	.....	.....	80.71
N.bdy. sec.8	S.89°59'W.	80.61	.....	.02	.....	80.61
N.bdy. sec.7	N.58°09'W.	75.55	39.87	.....	.....	64.17
W.bdy. sec.6	North	40.76	40.76	.....	.....	.....
N.bdy. T.12 S	N.89°55'E.	469.75	.68	.....	469.75	.....
E.bdy. sec.1	S.2°08'W.	40.69	.....	40.66	.....	1.51
E.bdy. sec.1	S.1°05'W.	40.45½	.....	40.45	.....	.76
Convergency			.....	.....	.10	.....
Totals			82.86	83.29	469.85	469.96
Error in latitude. . ..				82.86		
				.43		469.85
Error in departure . .						.13

General description.

With the exception of small parcels of rolling valley land in the SW.¼ of sec. 5 and the SE.¼ of sec. 6, this fractional township is rough and mountainous and is situated on the north and south slopes of a high mountain ridge which divides Minnie Maude and Willow Creek Canyons. The soil of the valley is a rich, dark brown sandy loam about 3 ft. deep; that on the north slope of the divide is a rich black loam and decayed vegetation, mixed with small broken shales of sandstone and limestone formation and that of the remaining part of the township is a light brown loam, heavily mixed with sandstone and limestone rock and lies on a hard, moist, sticky clay and rocky subsoil.

Considerable aspen and scattering red pine timber grows on the north slope of the divide and on the sheltered north slopes of other parts of the township. Scattering patches of pinon and cedar are found in secs. 4 and 5. A great quantity of sage, service berry, deer

General description

and buck brush grows on the entire township. The soil also supports an abundant growth of rich grass which affords feed for sheep and cattle.

Pole Creek and many small springs and seeps of good water furnishes the water supply for the township.

Some of the water from Pole Creek is used for irrigation in secs. 5 and 6.

A.L. Pace is living in the SE.¼ of sec.6 and has erected a frame house, barns, corrals, and, in addition to a considerable amount of fencing has about 50 acres under cultivation.

There are no other settlers in the township.

We find no indications of mineral in the township.

This township is well adapted for grazing of sheep and cattle.

BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Robert C. Yundt	1st. chainman
Nelson A. Young	2nd. chainman
Brennan A. Thomas	Flagman

6—2764

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Howard W. Miller, U. S. ~~Surveyor~~ Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 3rd day of May, 1918, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of survey of the north boundary and resurvey and survey of the subdivision of T. 12 S., R.11 E of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes and date diagram as having been executed by me, and under my direction; on dates as shown on diagram and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Certified to at
Salt Lake City, Utah.
Jan.25, 1922

Howard W. Miller
U. S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Aug. 26, 1922

The foregoing field notes of the re-survey of the east and west boundaries and subdivision and survey of the North boundary and subdivision of Township 12 South, Range 11 East, Salt Lake Base and Meridian, Utah executed by Howard W. Miller and Walter Byergo under ~~his~~ special instructions dated May 3, 1918, ~~xx~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys 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 T 12 S. R.11 E. S.L.B & M. Utah, have ~~xx~~ been correctly copied from the original notes on file in this office.

U. S. Surveyor General.

BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Calvin Mace	1st. chainman
Aaron Overholt	2nd. chainman
Edward Hoppes	axman
Andrew F. Hintze	cornerman
Fay Fredricksen	flagman

6—2764

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

We, ~~I,~~ Walter Byergo, U.S.Transitman, and Howard W.Miller, 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 3rd. day of May, 1918, we have well, faithfully, and trul in our ~~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 Resurvey of the east and west boundaries and subdivision and survey of the north boundary and subdivision of T.12 S.,R.11 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented i the foregoing field notes and date diagram on page 1 as having been executed by us ~~me~~, and under our ~~my~~ direction; on dates shown on diagra 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.

Certified to at Ephraim,Ut.
April 1,1919
Certified to at Salt Lake
City,Utah, April 21,1919

Walter Byergo
U.S. Transitma
Howard W. Miller
~~U. S. Surveyor~~
U.S.Cadastral Engin

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, June 28, 191

The foregoing field notes of the ~~survey of~~ resurvey of the east and west, and surv of the north boundaries; and resurvey and survey of the subdivision of Township No. 12 South, Range No. 11 East of the Salt Lake Base and Meridian, Utah

executed by Walter Byergo and Howard W. Miller

under ~~his~~ special instructions dated May 3, 191 8, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys and resurveys 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.

e—2764

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Filed Mar. 31, 1921.

BOOK A-451

A.

FIELD NOTES

OF THE SURVEY OF THE

RESURVEY OF PORTIONS OF THE NORTH, SOUTH, AND EAST BOUNDARIES;

RESURVEY OF EAST BOUNDARY OF GUIDE MERIDIAN;

SURVEY OF PORTIONS OF THE SOUTH AND EAST BOUNDARIES;

AND

RESURVEY AND SURVEY OF APPROPRIATION OF THE SUBDIVISION

OF

THE [illegible] NO. 17 SOUTH, RANGE NO. 5 [illegible],

Of the [illegible] *Meridian,*

In the State of UTAH

EXECUTED BY

[illegible],

U. S. Deputy Engineers,

In the capacity of U. S. Surveyor, under Special Instructions dated January 16, *191*9 *issued by the United States Surveyor General to govern surveys included in Group No.* 75, *which were approved by the Commissioner of the General Land Office,* February 6, *191*6, *and Assignment Instructions dated* June 14, 1920.

Survey commenced June 22, 1920, *191*

Survey completed August 6, 1920, *191*

Examined and Charted

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

B. Computations F.M.J.

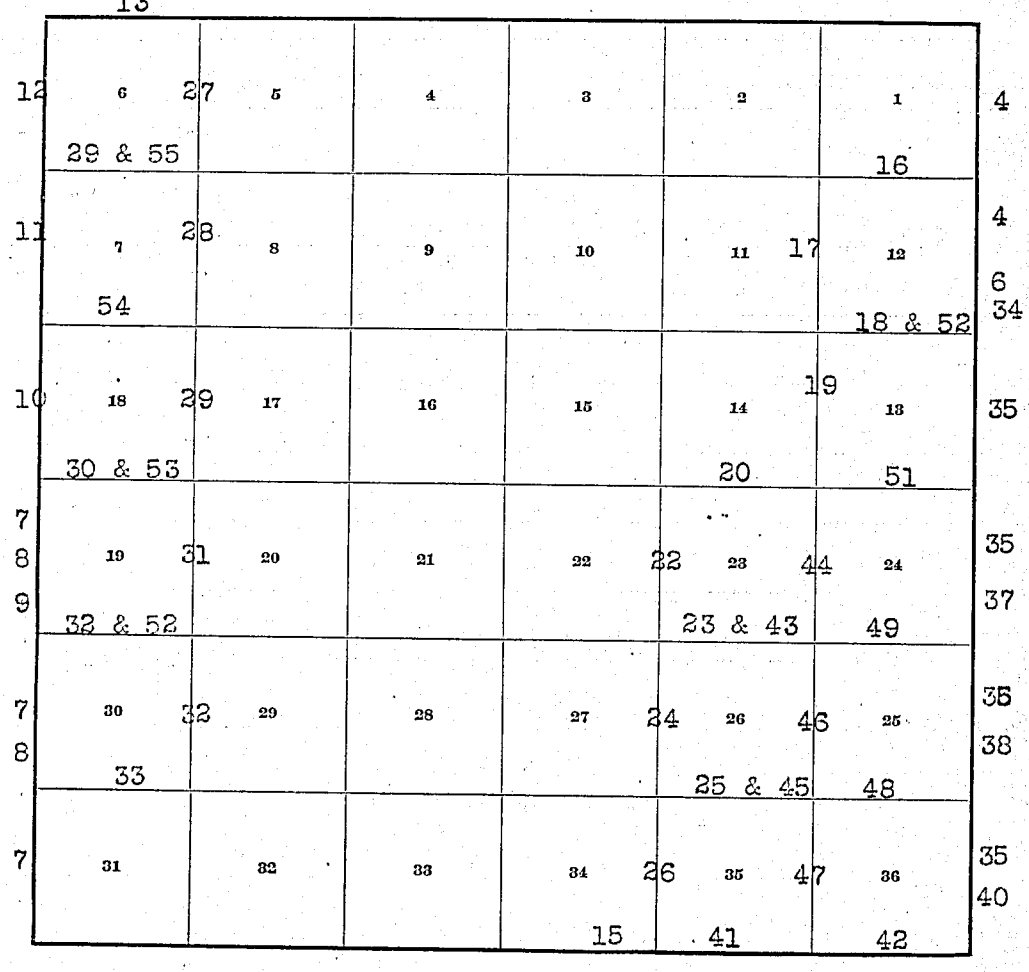
Comparing

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

BOOK A-451

INDEX DIAGRAM.

Township 17 South, *Range* 5 West



BOOK A-451

4—679 b

INDEX DIAGRAM.

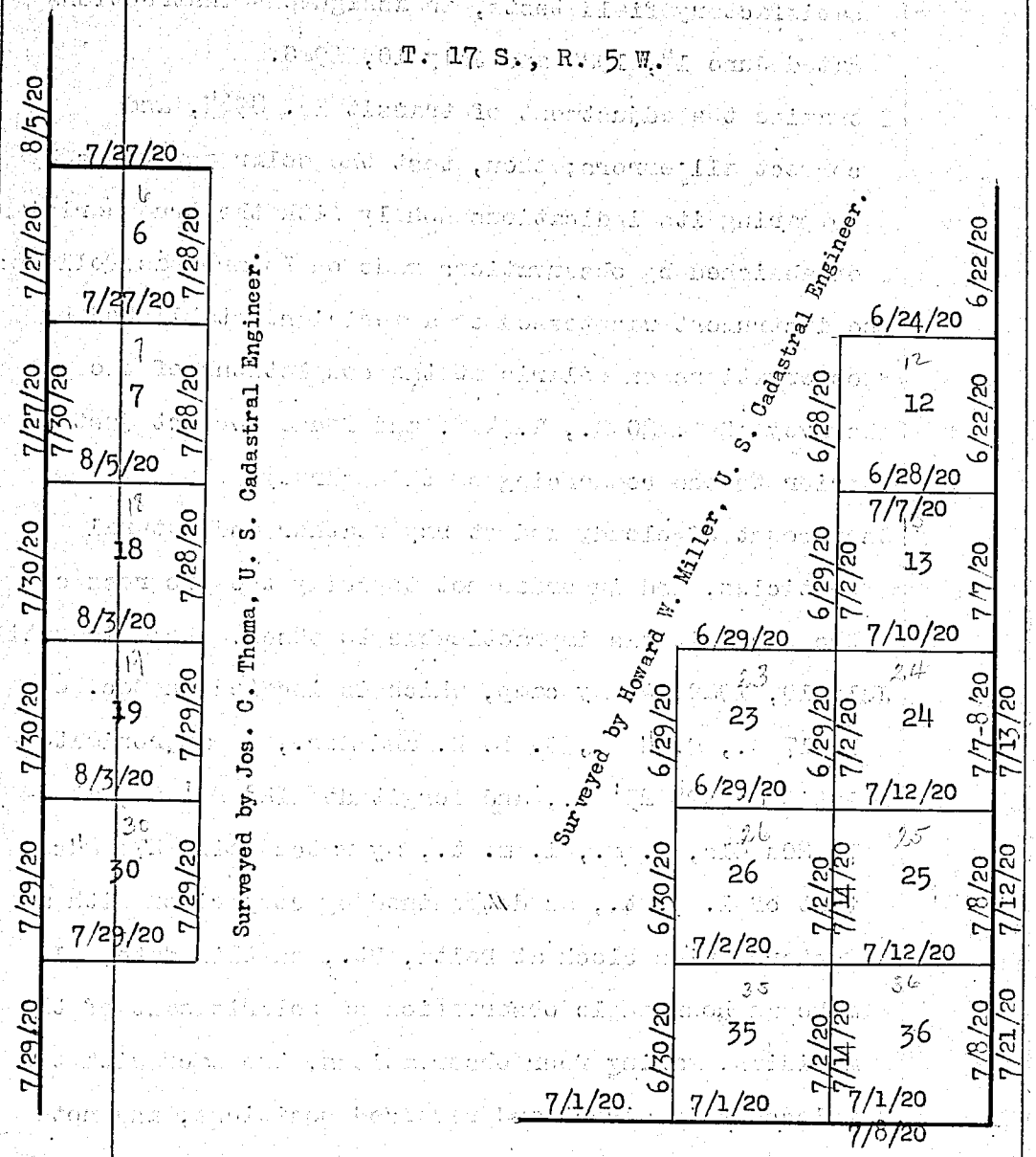
Township 17 South, Range 5 West

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—4817

Date Diagram.

T. 17 S., R. 5 W.



Survey commenced June 22, 1920, and executed with Buff & Buff solar transit No. 8964, by Howard W. Miller, U. S. Cadastral Engineer, and Buff & Buff solar transit No. 9218, by Jos. C. Thoma, U. S. Cadastral Engineer. The instruments are equipt with full vertical circles and Smith solar attachments. All azimuth determinations are accomplished with the solar attachments except the special observations on Polaris upon which to test the solar apparatus as stated in the field notes.

The instruments were approved for use on this survey by the assistant supervisor of surveys for Utah, upon

satisfactory field tests, in assignment instructions dated June 14, 1920 and July 10, 1920.

I examine the adjustment of transit No. 8964, and correct all errors; then, test the solar apparatus by comparing its indications hourly with the true meridian established by observations made on Polaris as follows:

The instrument was tested on a meridian established by observations on Polaris at the completion of the survey of T. 20 S., R. 4 W. and found correct just prior to the commencing of this survey.

On account of cloudy and stormy weather and natural obstacles, and in order not to delay the progress of the work, it was impracticable to observe Polaris until July 10, 1920, At my camp, which is located in Sec. 6, T. 17 S., R. 4 W., S. L. B. and Mer., in approximate latitude 39° 23' N., and longitude 112° 21' W., at 7h 20m 41s, p. m., l. m. t., my watch being 27m 24s fast of l. m. t., as determined by comparison with a Western Union clock at Delta, Ut., on this date, I make an hour angle observation on Polaris east of the meridian, making four observations, two each with the telescope in direct and reversed positions, and note the mean angle to a tall pole approximately 20 chs. in a northwesterly direction to be 38° 36' 30".

Watch time of observation, 7h 48m 05s p. m.

Mean horizontal angle from Polaris to pole.

38° 36' 30" W.

Azimuth of Polaris, 0° 24' E.

True bearing of Pole, N. 38° 12' 30" W.

July 11, 1920: At the same station, I set off 39° 23' N., on the lat arc, 22° 7' N. on the decl. arc, and determine a meridian with the solar and note that the pole bears N. 38° 12' W. Time 8 a.m.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian, the resulting decl. is 22° 05' N.

At 4h, p. m., app. t., with the lat. arc unchanged, I set

22° 04' N. on the decl. arc, and determine a meridian with the solar, and note the pole bears N. 38° 12' W.

July 14, 1920. At the completion of my assignment on this group; at the same station and at 8h a. m., app. t., I set off 39° 23' N. on the lat. arc, 21° 41' N. on the decl. arc, and determine a meridian with the solar and note that the pole bears N. 38° 12' W.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian, the resulting decl. is 21° 39' N.

At 4h, p. m., app. t., with the lat arc unchanged, I set off 21° 38' N. on the decl. arc, and determine a meridian with the solar and note the pole bears N. 38° 12 ' W.

As all solar observations during the usual hours of solar work come within 1' of the true meridian, it is concluded that the adjustments of the instrument No. 8964 are satisfactory.

On the same date and at the same station, I set off 39° 23' N. on the lat. arc, 21° 41' N. on the decl. arc and at 8h 30m, a. m., app. t., determine a meridian with the solar on instrument 9218, and note the pole bears N. 38° 12' W.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian, the resulting decl. is 21° 39' N.

At 3h 30m, p. m., app. t., with the lat. arc unchanged, I set off 21° 38' N. on the decl. arc, and determine a meridian with the solar and note the pole bears N. 38° 12' W.

This instrument was frequently tested on the true meridian during the progress of this survey and found correct, however, at the completion of the survey of this township on

August 6, 1920: At the same station, I set off 39° 23' N., on the lat. arc, 16° 41' N. on the decl. arc, and at 9h, a. m., app. time determine a meridian with the solar, and note the pole bears N. 38° 12' W.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian, the resulting decl. is 16° 39' N.

At 4h, p. m., app. t., with the lat. arc unchanged, I set off 16° 36' N. on the decl. arc, and determine a meridian with the solar and note the pole bears N. 38° 12' W.

Unless otherwise specified, all measurements are made with a Lillie steel tape, 5 chs. 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.

Retracement of East Boundary.

From the ¼ sec. cor. bet. secs. 7 and 12, on the E. bdy. of the twp., which is

A cedar stake, 2x2x32 ins., firmly set in mound of stone and earth, mkd. ¼ on W. face.

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

40.00 After diligent search, find no evidence of the cor. of secs. 1, 6, 7 and 12. Leave temp. point.

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

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

40.00 After diligent search, find no evidence of the ¼ sec. cor.

80.00 After diligent search, find no evidence of the cor. of Tps. 16 and 17 S., Rgs. 4 and 5 W. Leave temp. point.

From the temp. point for twp. cor.

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

40.00 After diligent search find no evidence of the ¼ sec. cor.

80.00 After diligent search, find no evidence of the cor. of secs. 25, 30, 31 and 36. Set temp. point.

Chains.	
	From the temp. point for the cor. of secs. 25, 30, 31 and 36.
	North, on retracement line bet. secs. 25 and 30.
44.46	Fall 30 lks. E. of the ¼ sec. cor., which is
	A cedar post, 2x2x24 ins. above ground, firmly set; mkd. ¼ on the W. face.
	The total length of this line therefore is 244.46 chs., making the proportional length of each mile 81.48 2/3 chs.
	I return and adjust the temp. point for the twp. cor. and the points for the cors. to the south of the temp. twp. cor. to their true proportional latitudinal positions.
	Retracement North Boundary.
	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the twp., which is
	A greatly decayed cedar stake set in mound of stone, with faint traces of notches on edges.
	East, on retracement line along the N. bdy. of the twp., bet. secs. 1 and 36.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
80.00	After diligent search, find no evidence of the twp. cor. Leave temp. point.
	From the temp. point for the twp. cor.
	East, on retracement line bet. secs. 6 and 31, T. 17 S., R. 4 W.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
80.00	After diligent search, find no evidence of the cor. of secs. 5, 6, 31 and 32. Leave temp. point.
	From the temp. point for the cor. of secs. 5, 6, 31 and 32.
	East, on retracement line bet. secs. 5 and 32.
40.00	After diligent search, find no evidence of the ¼ sec. cor.

Chains.	
83.51	Fall 100 lks. N. of the cor. of secs. 4, 5, 32 and 33, which is
	A cedar stake, 2x2x24 ins. above ground, firmly set in the ground and mound of stone, mkd. with 4 notches on the E. and 2 notches on the west edges.
	The total dist. of this line therefore is 243.51 chs. and the proportional dist. for each mile is 81.17 chs.
	I return and adjust the temp. point for the twp. cor. to its true proportional longitudinal position.
	From this proportional position the temp. point left at the proportional dist. on the N. and S. line, bears South, 34 lks. and East 36 lks., I restore the true point for the twp. cor. 36 lks. West of the temp. point on N. and S. line.
	The course of the E. Bdy. of T. 17 S., R. 5 W., therefore is N. 0° 10' W., bet. the ¼ sec. cor. for secs. 7 and 12 and the restored point for the twp. cor., and the proportional dist. for each half mile is 40.74 chs.

Resurvey of East Boundary.

From the ¼ sec. cor. bet. secs. 7 and 12, on the E. bdy. of the twp. heretofore described; 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 12 | S 7

1920

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. N. 0° 10' W., on resurvey line bet. secs. 7 and 12.

Desc. over rolling land, through very scattering scrub cedar timber, dense sage and rabbit brush undergrowth.

22.30	Ravine, drains NW.; asc. gradually.
27.30	Spur, projects W., 30 ft. above ravine; desc.
30.80	Wire fence, bears NE. and SW.
31.80	Oak City-Delta road, bears NE. and SW.
32.60	Log fence, bears E. and W.

Chains.	
40.74	(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 17 S

R 5 W	R 4 W
S 1	S 6
S 12	S 7

1920

from which

A cedar, 4 ins. diam., bears N. 36° 30' E., 16 lks. dist., mkd. T17S R4W S6 BT.

A cedar, 4 ins. diam., bears S. 80° 30' E., 20 lks. dost., mkd. T17S R4W S7 BT.

A cedar, 6 ins. diam., bears S. 85° W., 22 lks. dist., mkd. T17S R5W S12 BT.

A cedar, 10 ins. diam., bears N. 41° 15' W., 100 lks. dist., mkd. T17S R5W S1 BT.

Land, rolling.

Soil, light sand, more than 2 ft. deep.

Timber, scattering scrub cedar.

Undergrowth, dense sagebrush and rabbit brush.

General western exposure. Quartzite and limestone formation. Fair grazing.

Resurvey of Guide Mer., T. 17 S., R. 5 W.

From the cor. of tps. 17 and 18 S., Rgs. 5 and 6 W., which is

A sandstone, 10x8x12 ins. above ground, firmly set; mkd. with 6 notches on N., S., E. and W., edges. Cor. set alongside of badly decayed cedar stake.

North, on retracement line along the W. bdy. of T. 17. S., R. 5 W., making diligent search for ¼ sec. and sec. corners at intervals of 40 chs., none of which were found until at

196.75	Fall 189 lks. W. of the ¼ sec. cor. for secs. 19 and 24, subsequently the ¼ sec. cor. for sec. 24 only, which is

A cedar stake, 2x2x30 ins. above ground, firmly set; mkd.

Chains.	
	¼ on the W. face, along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 24, with brass cap mkd.
	¼ S 24 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	The course of this line therefore is N. 0° 33' E., and the proportional dist. for each half mile is 39.35 chs.

	From the ¼ sec. cor. for sec. 24.
	S. 0° 33' W., on resurvey line along the W. bdy. of the twp., bet. secs. 19 and 24.
	Desc. gradually over rolling land, through dense sagebrush and greasewood undergrowth.
8.20	Oak City-Delta telephone line bears NE. and SW.
24.70	Oak City-Delta road, bears NE. and SW.
34.68	Subsequently the point for the cor. of secs. 19 and 30.
39.35	Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. secs. 24 and 25, with brass cap mkd.
	T17 S S 24 S 25 R 6 W 1920
	Dig pits 18x18x12 ins. in each sec., 3 ft. dist.
	For land description, see notes of north half mile.

	From the cor. of secs. 24 and 25.
	S. 0° 33' W., on resurvey line along the E. bdy. of sec. 25.
	Desc. gradually over rolling land, through dense sagebrush and greasewood undergrowth.
37.01½	Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor.

Chains.

for sec. 30, with brass cap mkd.

$\frac{1}{4}$

S 30

1920

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

39.35 Proportional measurement. Set an iron post, 3 ft. long. 1 in. diam., 24 ins. in the ground, for the restored $\frac{1}{4}$ sec.cor. for sec. 25, with brass cap mkd.

$\frac{1}{4}$

S 25

1920

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

78.70 Proportional measurement. Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. of secs. 25, 30, 31 and 36, with brass cap mkd.

T 17 S

R 6 W | R 5 W

S 25 | S 30

S 36 | S 31

1920

Dig pits, 18x18x12 ins., in each sec., 3 ft. dist.

Land, gently rolling.

Soil, light sand, more than 2 ft. deep, on clay subsoil.

Timber, none.

Undergrowth, dense sagebrush and greasewood.

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

From the $\frac{1}{4}$ sec. cor. for sec. 24.

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

40.09 Fall 38 lks. W. of the cor. of secs. 13 and 24.
From $\frac{1}{4}$ Sec. Cor. on E. bdy. Sec. 24,
N. 0° 33' E., on resurvey line bet. secs. 19 and 24.

Asc. gradually over gently rolling land, through dense sagebrush and greasewood undergrowth.

5.95 Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor. for sec.

Chains.

sec. 19, with brass cap mkd.

| ¼
| S 19
1920

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

40.09 The cor. of secs. 13 and 24, which is

A cedar post, 2x2x18 ins. long, loosely set, mkd with 3 notches on the N. and S. edges. 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 17 S
S 13 | S 19
S 24
R 6 W
1920

Dig pits, 18x18x12 ins., in each sec., 3 ft. dist.

Land, gently rolling.

Soil, light sand, more than 2 ft. deep, on light clay subsoil.

Timber, none.

Undergrowth, dense sagebrush and greasewood.

General northern exposure. Limestone and quartzite formation Good grazing.

From the cor. of secs. 13 and 24.

North, on retracement line along the E. bdy. of sec. 13.

40.00 After diligent search, find no evidence of the ¼ sec.cor.

Continue same line with continuous measurement.

80.30 Fall 79 lks. W. of the cor. of secs. 12 and 13, which is

A cedar stake, 2x2x24 ins., firmly set, mkd. with 4 notches on the S. and 2 notches on the N. edges. Along side of which

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

Chains.	
	brass cap mkd.
	T 17 S S 12 / S 13 — S 18 R 6 W 1920
	Dig pits, 18x18x12 ins., in each sec., 3 ft. dist.
	From the cor. of secs. 13 and 24.
	N. 0° 34' E., on resurvey line along E. bdy. of sec. 13.
	Asc. gradually over rolling land, through dense sagebrush and greasewood undergrowth.
6.49	Subsequently the point for the cor. of secs. 18 and 19.
40.15	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. 13, with brass cap mkd.
	¼ | S 13 | 1920
	Dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
46.95	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 | 1920
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
80.30	The cor. of secs. 12 and 13.
	Land, gently rolling.
	Soil, light sand, 2 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush and greasewood. Fair grazing.

	From the cor. of secs. 12 and 13.
	North, on retracement line along the E. bdy. sec. 12.
40.24	Fall 41 lks. W. of the ¼ sec. cor. From the ¼ sec. cor. North.
40.18	Fall 35 lks. W. of the cor. of secs. 1 and 12.
	From the cor. of secs. 12 and 13.
	N. 0° 35' E., on resurvey line along the E. bdy. of sec. 12.

Chains.	
	Sec. gradually over gently rolling land, through [illegible] sagebrush and greasewood undergrowth.
7.11	Subsequently the point for the cor. of secs. 7 and 18.
40.24	The ¼ sec. cor. for sec. 12, which is
	A cedar, stake, 2x2x18 ins., above ground, firmly set, mkd. ¼ on the W. face; alongside of which
	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.
	S 12 ¼ | 1920
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
40.40	Oak City-Delta road, bears E. and W.
40.60½	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 | 1920
	Dig pits, 18x18x12 ins. N. and S. of post, 3 ft. dist.
80.42	The cor. of secs. 1 and 12; which is
	A cedar, stake, 4x4x18 ins., above ground, firmly set; mkd. with 5 notches on the S. and 1 notch on the N. edges; alongside of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in thr ground, for the cor. of secs. 1 and 12, with brass cap mkd.
	T 17 S | S 7 | S 12 | R 6 W | 1920
	Dig pits, 18x18x12 ins., in each sec., 3 ft. dist.
	Land, gently rolling.
	Soil, light sand, 3 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush and greasewood. Fair grazing.

From the cor. of secs. 1 and 12.

North, on retracement line along the E. bdy. of sec. 1.

Chains.	
40.00	After diligent search, find no evidence of the ¼ sec.cor.
80.15	Fall 72 lks. W. of the cor. of Tps. 16 and 17 S., Rgs. 5 and 6 W., subsequently the cor. of Tps. 16 and 17 S., R. 6 W. only.
	From the cor. of secs. 1 and 12.
	N.0° 31'E.,on resurvey line along the E. bdy. of sec. 1.
	Asc. gradually over gently rolling land, through dense sagebrush and greasewood undergrowth.
9.68	Subsequently the point for the cor.of secs. 6 and 7.
39.10	Irrigation canal, 10 lks. wide, 3 ft. deep, cpurse SW.
50.99	Subsequently set an iron post, 3 ft. long, 1 in. diam., 24 ins. in theground for the ¼ sec. cor. for sec. 6, with brass cap mkd.
	¼ S 6
	1920
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
80.15	The cor. of Tps. 16 and 17 S., R. 6 W., which is
	A cedar stake, 4x4x18 ins. above ground, firmly set; mkd. with 6 notches on each edge. I destroy the notches on the east edge.
	Land, gently rolling.
	Soil, light sand, 3 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth,dense sagebrush and greasewood. Fair grazing.

	From the cor. of Tps. 16 and 17 S., R. 6 W.
	North, on retracement line along the E. bdy. of sec.36.
40.00	Find no evidence of the ¼ sec. cor.
92.08	Fall 80 lks. W. of the cor. of secs. 25, 30, 31 and 36, which is
	A cedar post, 3x3x20 ins. above ground, firmly set; mkd. with 1 notch on the S. and 5 notches on the N. edges.
	The course of this line therefore is N. 0° 30' E.

	North Boundary.
	From the cor. of secs. 5, 6, 31 and 32; which is
	A cedar post, 2x2x18 ins. above ground, firmly set;

Chains.	
	mkd. with 5 notches on the E. and 1 notch on the W. edges, alongside of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 5, 6, 31 and 32, with brass cap mkd.
	T 16 S R 5 W S 31 | S 32 S 6 | S 5 T 17 S 1920
	Dig pits, 18x18x12 ins., in each sec., 3 ft. dist.
	West, on resurvey line along the N. bdy. of the twp.
	Desc. gradually over rolling land, through dense sagebrush, greasewood and shadscale undergrowth.
40.51	Fall 3 lks. S. of the ½ sec. cor., which is
	A cedar stake, 2x2x12 ins. above ground. firmly set; mkd. ¼ on N. face; alongside 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 31 S 6 1920
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.
	The course of this line therefore is N. 89° 57' W., and the dist. is 40.51 chs.
	From the ½ sec. cor.
	West; on resurvey line.
40.65	Intersect the W. bdy. of the twp., N. 0° 30' E., 12.15 chs. from the old twp. cor. After diligent search, find no indications of a cor. Whereas there is a discrepancy of approximately 12 chs. in the surveys at this point as developed by this and subsequent retracements; a discrepancy too great to proportion; therefore, at point of intersection
	Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground, for the cor. of Tps. 16 and 17 S., R. 5 W., with brass cap mkd.
	T 16 S R 5 W S36 | S 31 S 6 T 17 S 1920

Resurvey of North Bdy. T. 17 S., R. 5 W.

Chains.

Dig pits 18 x 18 x 12 ins.in each sec. 3 ft.dist.

Land, gently rolling.

Soil, light sand, 2 to 4 ft.deep, on light clay subsoil.

Timber, none. Undergrowth, dense sagebrush, shadscale and greasewood. Fair grazing.

Resurvey of South Boundary T. 17 S.R.5 W.

From the $\frac{1}{4}$ sec.cor. bet.secs.3 and 34 on the S. bdy. of the Tp., which is a cedar stake 2 x 2 x 20 ins. firmly set, mkd. with 2 notches on the E. and 4 notches on the W. edges,

East on resurvey line bet. secs.3 and 34,

Ascend over rolling land; through scattering scrub cedar, and dense sagebrush and greasewood undergrowth.

40:00 After diligent search, find no evidence of the cor.of Secs.2,3,34, and 35.

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

T 17 S R 5 W
S 34 | S 35
S 3 | S 2
T 18 S
1920

from which

A cedar 10 ins.diam., bears N. 71° 15' E. 202 lks.dist., mkd.T17S R5W S35 BT

A cedar, 8 ins.diam., bears S.38° 45' E. 226 lks.dist., mkd.T18S R5W S2 BT

A cedar, 10 ins.diam., bears S. 58° 15' W. 99 lks.dist., mkd.T18S R5W S3 BT

A cedar, 30 ins.diam., bears N. 49° W. 245 lks. dist., mkd.T17S R5W S34 BT

Land, rolling.

Soil light sand 2 to 4 ft.deep, on light clay subsoil.

Timber, scattering scrub cedar. Undergrowth, dense sagebrush and greasewood. Fair grazing.

Resurvey of Subdivision T. 17 S. R. 5 W.

Chains.	
	From the restored cor.of secs.1, 6, 7, and 12, on the E. bdy.of the Tp., heretofore described,
	West, on retracement line between Secs.1 and 12,
40.00	After diligent search, find no evidence of the ¼ sec.cor.
86.52	Fall 269 lks.N.of the cor.of secs.1, 2, 11, and 12, which is a cedar stake 2 x 2 x 18 ins.above ground, firmly set; marked with 5 notches on the S. and 1 notch on the E.edge; alongside of which
	Set an iron post 3 ft.long, 2 ins.diam., 24 ins.in the ground, for cor.of secs.1,2,11, and 12, with brass cap marked
	T 17 S R 5 W S 2 | S 1 S 11 | S 12 1920
	Dig pits 18 x 18 x 12 ins. in each sec. 3 ft.dist.
	Thence N. 88° 13' E. on resurvey line bet. secs.1 and 12,
	Descending gradually over gently rolling land; through scattering scrub cedar and pinon timber, dense sagebrush, and rabbit brush undergrowth.
39.20	Telephone line bears NE. and SW.
43.28	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 marked
	¼ S 1 S 12 1920
	from which
	A cedar 6 ins.diam., bears N. 18° 15' E. 538 lks.dist., mkd. ¼ S 1 B T
	A cedar, 8 ins.diam., bears S. 45° E. 146 lks. dist., mkd. ¼ S 12 B T
59.80	Wire fence, bears N. and S.
86.56	The cor.of secs.1,6,7, and 12.
	Land, gently rolling.

Chains.

Soil, light clay and sand, 2 to 4 ft. deep, on light clay subsoil.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush and rabbit brush. Western exposure. Limestone and quartzite formation. Fair grazing.

From the cor. of secs., 1,2, 11 and 12.

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

40.00 After diligent search, find no evidence of the ¼sec. cor.

81.42 Fall 51 lks. E. of the cor. of secs. 11, 12, 13, and 14, which is

A cedar, stake, 2x2x12 ins., loosely set; mkd. with 4 notches on the S., and 1 notch on the E. edges, alongside of which

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

T 17 S R 5 W

S 11	S 12
S 14	S 13

1920

from which

A cedar, 8 ins. diam., bears N. 29° E., 271 lks. dist., mkd. T17S R5W S 12 BT.

A cedar, 30 ins. diam., bears S. 69° 15' E., 475 lks. dist., mkd. T17S R5W S13 BT.

A cedar, 30 ins. diam., bears N. 41° W., 433 lks. dist., mkd. T17S R5W S11 BT.

No other trees within limits suitable for bearing trees.

N. 0° 22' E., on resurvey line bet. secs. 11 and 12.

Over gently rolling land, through scattering scrub cedar timber, dense sagebrush and rabbit brush undergrowth.

3.40 Oak City-Delta road, bears NE. and SW.

3.90 Wire fence, bears NE. and SW.

21.90 Wire fence, bears E. and W.

40.71 Proportional measurement. Set an iron post, 3 ft. long,

Chains.	
	1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.
	¼ | S 11 | S 12 | 1920
	No trees within limits suitable for bearing trees.
42.80	Wire fence, bears E. and W.
60.90	Telephone line, bears NE. and SW.
78.90	Wire fence, bears E. and W.
81.42	The cor. of secs. 1, 2, 11 and 12.
	Land, rolling.
	Soil, light sand, more than 2 ft. deep, on light clay subsoil.
	Timber, scattering scrub cedar.
	Undergrowth, dense sagebrush and rabbit brush.
	General western exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 11, 12, 13 and 14.
	East, on resurvey line bet. secs. 12 and 13.
	Asc. gradually over gently rolling land, through scattering scrub cedar and pinon timber, dense sagebrush undergrowth.
3.40	Old road, bears NE. and SW.
27.00	Oak City-Holden road, bears N. and S.
40.46	Fall 58 lks. N. of the ¼ sec. cor., which is
	A cedar stake, 3x3x30 ins., greatly decayed; 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 12 / S 13 | 1920 from which
	A cedar, 8 ins. diam., bears N. 44° 30' E., 345 lks. dist., mkd. ¼ S12 BT.
	A cedar, 6 ins. diam., bears S. 67° E., 75 lks. dist., mkd. ¼ S13 BT.

Chains.	
	The course of this half mile is therefore S. 89° 11' E., and the dist. is 40.46 chs.
	For land description, see notes of the eastern portion of this mile.

	From the cor. of secs. 11, 12, 13 and 14.
	South, on resurvey line bet. secs. 13 and 14.
	Over gently rolling land, through scattering scrub cedar timber, dense sagebrush and greasewood undergrowth.
40.62	Fall 58 lks. W. of the ¼ sec. cor., which is
	A cedar stake, 3x3x24 ins., above ground, firmly set; mkd. ¼ on the W. face; along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 14, with brass cap mkd.
	¼ | S 14 | 1920
	from which
	A cedar, 6 ins. diam., bears N. 8° 30' W., 130 lks. dist., mkd. ¼ S14 BT.
	No other trees within limits suitable for bearing trees.
	The course of this line therefore is S. 0° 49' E., and the dist. is 40.62 chs.
	From the ¼ sec. cor.
	South, on retracement line, bet. secs. 13 and 14.
40.00	After diligent search, find no evidence of the cor. of secs. 13, 14, 23 and 24. Subsequently this cor. was restored 62 lks. W. of this point, as determined by retracement of the eastern half mile bet. secs. 14 and 23.
	The course of this line therefore is S. 0° 53' W., and the dist. is 40.00 chs.
	From the ¼ sec. cor. for sec. 14, with continuous measurement.
	S. 0° 53' W., on resurvey line bet. secs. 13 and 14.

Chains.

43.79 Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 13, with brass cap mkd.

¼
S 13
1920

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

59.60 Road, bears NE. and SW.

64.20 Top of asc., bears E. and W., 30 ft. above ¼ sec. cor.; desc. gradually.

80.62 The restored cor. of secs. 14 and 23.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the restored cor. for secs. 14 and 23, with brass cap mkd.

T 17 S
S 14 | S 13
S 23
1920

from which

A cedar, 24 ins. diam., bears S. 84° 45' W., 115 lks. dist., mkd. T17S R5W S23 BT.

A cedar, 18 ins. diam., bears N. 27° W., 55 lks. dist., mkd. T17S R5W S14 BT.

Land, gently rolling.

Soil, light sand, 2 to 4 ft deep, on light clay subsoil.

Timber, scattering scrub cedar.

Undergrowth, dense sagebrush and greasewood.

General western exposure. Limestone and quartzite formation. Good grazing.

From the temp. point for the cor. of secs. 14 and 23, which point was left 40.00 chs. S. of the ¼ sec. cor. for sec. 14.

West, on retracement line bet. secs. 14 and 23.

40.62 Fall 58 lks. S. of the ¼ sec. cor., which is

A cedar stake, 2x2x24 ins., firmly set; mkd. ¼ on the N. face, along side of which

Chains.	
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ S 14 / S 23
	1920 from which
	A cedar, 8 ins. diam., bears N. 36° 30' E., 115 lks. dist., mkd. ¼ S14 BT.
	A cedar 8 ins. diam., bears S. 10° 30' E., 275 lks. dist., mkd. ¼ S23 BT.
	The course of this line therefore is N. 89° 10' W., and the true dist. is 40.00 chs.
	From the ¼ sec. cor. with continuous measurement.
	West; on retracement line.
81.26	Fail 87 lks. N. of the cor. of secs. 14, 15, 22 and 23.
	The course of this half mile therefore is S. 88° 46' W., and the dist. is 40.65 chs.
	From the restored cor. of secs. 14 and 23.
	N. 89° 10' W., on true line bet. secs. 14 and 23.
	Desc. gradually over gently rolling land, through scattering scrub cedar timber, dense sagebrush and greasewood undergrowth.
11.30	Road, bears NE. and SW.
23.60	Draw, drains NW., continue gradual desc.
40.00	The ¼ sec. cor.
	From the ¼ sec. cor., with continuous measurement.
	S. 88° 46' W.
80.65	The cor. of secs. 14, 15, 22 and 23, which is
	A cedar stake, 2x2x20 ins., firmly set; mkd. with 3 notches on the S. and 2 notches on the E. edges. Along side of which
	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 17 S R 5 W
	S 15 | S 14 / S 22 | S 23
	1920 from which

Chains.	
	A cedar, 24 ins. diam., bears N. 71° 45' E., 415 lks. dist. mkd. T17S R5W S14 BT.
	A cedar, 26 ins. diam., bears S. 79° 15' E., 463 lks. dist., mkd. T17S R5W S23 BT.
	A cedar, 12 ins. diam., bears S. 41° W., 113 lks. dist., mkd. T17S R5W S22 BT.
	A cedar, 18 ins. diam., bears N. 25° 30' W., 115 lks. dist., mkd. T17S R5W S15 BT.
	Land, gently rolling.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
	Timber, scattering scrub cedar.
	Undergrowth, dense sagebrush and greasewood.
	General western exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 14, 15, 22 and 23.
	South, on retracement line bet. secs. 22 and 23.
40.00	After diligent search, find no evidence of the ¼ sec. cor.
82.10	Fall 5 lks. W. of the cor. of secs. 22, 23, 26 and 27.
	S. 0° 02' E. on resurvey line bet. secs. 22 and 23.
	Over gently rolling land, through scattering scrub cedar and piñon timber, dense sagebrush and greasewood undergrowth.
41.05	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. with brass cap mkd.
	¼ S 22 | S 23 1920 from which
	A cedar, 12 ins. diam., bears N. 48° E., 210 lks. dist., mkd. ¼S23 BT.
	No other trees within limits suitable for bearing trees.
82.10	The cor. of secs. 22, 23, 26 and 27, which is
	A cedar stake, 2x2x20 ins., firmly set; mkd. with 2 notches on the S. and E. edges. 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. 22, 23, 26 and 27, with brass cap mkd.

T 17 S R 5 W

S 22	S 23
S 27	S 26

1920 from which

A cedar, 40 ins. diam., bears N. 55° 45' E., 145 lks. dist., mkd. T17S R5W S23 BT.

A cedar, 36 ins. diam., bears S. 35° E., 42 lks. dist., mkd. T17S R5W S26 BT.

A cedar, 30 ins. diam., bears S. 44° 30' W., 73 lks. dist., mkd. T17S R5W S27 BT.

A cedar, 30 ins. diam., bears N. 20° 30' W., 21 lks. dist., mkd. T17S R5W S22 BT.

Land, gently rolling.

Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.

Timber, scattering scrub cedar.

Undergrowth, dense sagebrush and greasewood.

General western exposure. Limestone and quartzite formation. Good grazing.

From the cor. of secs. 22, 23, 26 and 27.

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

40.46 Fall 50 lks. N. of the ¼ sec. cor., which is

A cedar stake, 2x2x18 ins., firmly set; mkd. ¼ on the N. face. Along side of which

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

¼ S 23 / S 26

1920 from which

A cedar, 10 ins. diam., bears S. 58° W., 45 lks. dist., mkd. ¼ S26 BT.

A cedar, 36 ins. diam., bears N. 68° 45' W., 66 lks. dist., mkd. ¼ S23 BT.

The course of this half-mile is therefore S.89° 18' E. and distance 40.46 chs.

Chains.

For land description, see notes of the eastern portion of this mile.

From the cor. of secs. 22, 23, 26 and 27.

South, on resurvey line bet. secs. 26 and 27.

Over gently rolling land, through scattering scrub cedar timber, dense sagebrush and greasewood undergrowth.

40.77 Fall 8 lks. E. of the ¼ sec. cor., which is

A cedar stake, 2x2x24 ins., firmly set; mkd. ¼ on W.face. Along side of which

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

¼

S 27 | S 26

1920 from which

A cedar, 16 ins. diam., bears N. 4° 30' W., 21 lks. dist., mkd. ¼ S27 BT.

A cedar, 24 ins. diam., bears S. 86° 30' E., 255 lks. dist., mkd. ¼ S26 BT.

From the ¼ sec. cor., with continuous measurement.

42.80 Draw, drains W., Old road, bears E. and W.

81.62 Fall 11 lks. E. of the cor. of secs. 26, 27, 34 and 35, which is

A cedar stake 2x2x12 ins., mkd. with 1 notch on the S. and 2 notches on the E. edges, along side of a limestone, 12x12x12 ins. above ground, firmly set; mkd. with 1 notch on the S. and 2 notches on the E. edges; along side of which

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 17 S R 5 W

S 27 | S 26

S 34 | S 35

1920 from which

Chains.	
	A cedar, 4 ins. diam., bears N. 32° 30' E., 40 lks. dist., mkd. T17S R5W S26 BT.
	A cedar, 16 ins. diam., bears S. 45° 30' E., 191 lks. dist., mkd. T17S R5W S35 BT.
	A cedar, 26 ins. diam., bears S. 4° W., 51 lks. dist., mkd. T17S R5W S34 BT.
	A cedar, 40 ins. diam., bears N. 81° 15' W., 95 lks. dist., mkd. T17S R5W S27 BT.
	The course of the north half mile therefore is S. 0° 07' W., and the dist. is 40.77 chs.
	The course of the south half mile therefore is S. 0° 10' W., and the dist. is 40.85 chs.
	Land, gently rolling.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
	Timber, scattering scrub cedar.
	Undergrowth, dense sagebrush and greasewood.
	General western exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 26, 27, 34 and 35.
	East, on resurvey line bet. secs. 26 and 35.
	Asc. gradually over rolling land, through scattering scrub cedar timber, dense sagebrush undergrowth.
11.60	Wash, 10 lks. wide, 15 ft. deep, bears N. approximately 30 lks. drains N. 80° W., from the E.
16.00	Same wash, drains S. 80° W.
17.60	Same wash, drains SW.
20.50	Old road, bears N. and S.
32.50	Same wash, drains NW.
40.00	After diligent search, find no evidence of the ¼ sec. for. At this point
	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.

Chains.	
	$\frac{1}{4}$ $\frac{S\ 26}{S\ 35}$
	1920 from which
	A cedar, 18 ins. diam., bears S. 64° 15' W., 89 lks. dist., mkd. $\frac{1}{4}$ S35 BT.
	A cedar, 12 ins. diam., bears N. 86° 30' W., 79 lks. dist., mkd. $\frac{1}{4}$ S26 BT.
	For land description, see eastern portion of this mile.

	From the cor. of secs. 26, 27, 34 and 35.
	South on resurvey line bet. secs. 34 and 35.
	Over gently rolling land, through scattering scrub cedar timber, dense sagebrush undergrowth.
40.76	Fall 70 lks. W. of the $\frac{1}{4}$ sec. cor., which is
	A cedar stake 2x2x20 ins., firmly set; mkd. $\frac{1}{4}$ on the W. face. Along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ S 34 | S 35 1920
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
	No trees within limits suitable for bearing trees.
	Continue same line with continuous measurement.
44.40	Draw, drains W.
60.20	Road, bears E. and W.
79.42	Fall 237 lks. E. of the restored cor. for secs. 2, 3, 34 and 35, on the south bdy. of the twp., heretofore described.
	The course of the north half mile therefore is S. 0° 59' E., and the dist. is 40.76 chs.
	The course of the south half mile therefore is S. 4° 32' W., and the dist. is 38.78 chs.
	Land, gently rolling.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.

Chains.	
	Timber, scattering scrub cedar.
	Undergrowth, dense sagebrush.
	General western exposure. Limestone and quartzite formation. Good grazing.

	From the cor. of secs. 5, 6, 7 and 8, which is
	A cedar stake, 3x3x18 ins. above ground, firmly set; mkd. with 5 notches on the S. and E. edges; along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 5, 6, 7 and 8, with brass cap mkd.
	T 17 S R.5 W S 6 | S 5 S 7 | S 8 1920
	Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.
	North, on retracement line bet. secs. 5 and 6.
40.00	After diligent search, find no evidence of the ¼ sec.cor.
82.76	Fall 276 lks. W. of the cor. of secs. 5, 6, 31 and 32, on the N. bdy. of the twp., herefofore described.
	From the cor.of Secs.5, 6, 7, and 8, N. 1° 55' E., on resurvey line bet. secs. 5 and 6.
	Over nearly level land, through dense sagebrush and greasewood undergrowth.
41.05	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.
	¼ S.6 | S 5 1920
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
81.85	Irrigation canal, 10 lks. wide, 2 ft. deep, course W.
82.81	The cor of secs. 5, 6, 31 and 32, on the N. bdy. of the twp.
	Land, rolling.
	Soil, light sand more than 2 ft. deep, on clay subsoil.

Chains.	
	Timber, none.
	Undergrowthm dense sagebrush and greasewood.
	General northern exposure. Poor grazing.

	From the cor. of secs. 5, 6, 7 and 8.
	South, on retracement line bet. secs. 7 and 8.
40.00	After diligent search, find no evidence of the ¼ sec.cor.
82.88	Fall 194 lks. E. of the cor. of secs. 7, 8, 17 and 18.
	The course of this line therefore is S. 1° 20' W., and the dist. is 82.90 chs.
	From the cor. of secs. 5, 6, 7, and 8, S. 1° 20' W., on resurvey line bet. secs. 7 and 8.
	Over rolling land, through dense sagebrush andgreasewood undergrowth.
41.03	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.
	¼ S 7 | S 8 W C 1920
	Dig pits 18x18x12 ins. N. and S. of post, 3 ft.dist.
41.45	Proportional measurement. The true point for the ¼ sec. cor. Cor. falls in new road from Oak City to Delta, bears E. and W.
82.90	The cor. of secs. 7, 8, 17 and 18, which is
	A cedar stake, 3x3x20 ins. above ground, firmly set; mkd. with 4 notches on the S. and 5 notches on the E. edge; along side of which
	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 17 S R 5 W S 7 | S 8 S 18 | S 17 1920
	Dig pits, 18x18x12 ins., in each sec., 3 ft. dist.
	Land, gently rolling.

Chains.	
	Soil, light sand 2 to 4 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush and greasewood.
	Fair grazing.

	From the cor. of secs. 5, 6, 7 and 8.
	West, on resurvey line bet. secs. 6 and 7.
40.00	After diligent search, find no evidence of the ¼ sec.cor.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the restored ¼ sec. cor., with brass cap mkd.
	¼ S 6 / S 7 / 1920
	Dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist.
	For land description. see notes of the western portion of this line.

	From the cor. of secs. 7, 8, 17 and 18.
	South, on resurvey line bet. secs. 17 and 18.
	Over gently rolling land, through dense sagebrush and greasewood undergrowth.
40.55	Fall 3 lks. E. of the ¼ sec. cor., which is
	A cedar stake, 2x2x24 ins., firmly set; mkd. ¼ on the W. face; along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.
	¼ / S 18 | S 17 / 1920
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
	The course of this line if therefore S. 0° 03' W., and the dist. is 40.55 chs.
	Continue same line with continuous measurement.
81.13	Fall 4 lks. W. of the cor. of secs. 17, 18, 19 and 20, which is
	A cedar stake, 3x3x20 ins. above ground, firmly set; mkd.

Chains.	
	with 3 notches on the S. and 5 notches on the E. edges. Along side of which
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 17, 18, 19 and 20, with brass cap mkd.

T 17 S R 5 W

S 18	S 17
S 19	S 20

1920

Dig pits, 18x18x12 ins., in each sec., 3 ft. dist.

The course of this line is therefore S. 0° 06' E., and the dist. is 40.58 chs.

Land, gently rolling.

Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.

Timber, none.

Undergrowth, dense sagebrush and greasewood.

Fair grazing.

From the cor. of secs. 17, 18, 19 and 20.

West, on resurvey line bet. secs. 18 and 19.

Over gently rolling land, through dense sagebrush and greasewood undergrowth.

40.13 Fall 12 lks. S. of the ¼ sec. cor., which is

A cedar stake, 2x2x18 ins. in the ground, firmly set; mkd. ¼ on the N. face, along side of which

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

¼ S 18 / S 19

1920

Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. dist.

The course of this line therefore is N. 89° 50' W., and the dist. is 40.13 chs.

For land description, see notes of the western portion of this mile.

Chains	
	From the cor. of secs. 17, 18, 19 amd 20.
	South, on resurvey line bet. secs. 19 and 20.
	Over gently rolling land, through dense sagebrush and greasewood undergrowth.
16.40	Telephone line, bears NE. and SW.
30.00	Old road, bears NE. and SW.
40.62	Fall 7 lks. W. of the ¼ sec. cor., which is
	A cedar stake, 2x2x20 ins., firmly set; mkd. ¼ on the W. face. Along side of which
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

¼

S 19 | S 20

1920

	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
	The course of this line therefore is S. 0° 06' E., and the dist. is 40.62 chs.
	Continue same line with continuous measurement.
48.60	Oak City-Delta road, bears E. and W.
81.19	Fall 9 lks. W. of the cor. of secs. 19, 20, 29 and 30, which is
	A cedar stake, 2x2x24 ins. firmly set; mkd. with 2 notches on the S. and 5 notches on the E. edges. Along side of which
	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 17 S R 5 W

S 19	S 20
S 30	S 29

1920

	Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.
	The course of this line therefore is S. 0° 02' E., and the dist. is 40.57 chs.
	Land, gently rolling.

Chains.

Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
Timber, none.
Undergrowth, dense sagebrush and greasewood.
Fair grazing.

From the cor. of secs. 19, 20, 29 and 30.
West, on resurvey line bet. secs. 19 and 30.
Over gently rolling land, through dense sagebrush and greasewood undergrowth.

32.10 Draw, drains SW.

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

$$\frac{1}{4}\ \frac{S.\ 19}{S\ 30}$$

1920

Dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
For land description, see notes of the western portion of this mile.

From the cor. of secs. 19, 20, 29 and 30.
South, on resurvey line bet. secs. 29 and 30.
Over nearly level land, through dense sagebrush and greasewood undergrowth.

40.60 Fall 5 lks. W. of the ¼ sec. cor., which is
A cedar stake, 2x2x20 ins. above ground, firmly set; mkd. ¼ on the W. face; along side of which
Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor., with brass cap mkd.

$$\begin{array}{c|c} & \frac{1}{4} \\ S\ 30 & S\ 29 \\ & 1920 \end{array}$$

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. dist.
The course of this half mile therefore is S. 0° 04' E.,

Chains.

and the dist. is 40.60 chs.,

Continue same line with continuous measurement.

81.10 Fall 9 lks. W. of the cor. of secs. 29, 30, 31 and 32, which is

A cedar stake, 3x3x24 ins. above ground, firmly set; mkd. with 1 notch on the S. and 5 notches on the E. edges. Along side of which

Set an iron post, 3 ft. long, 2 ins. di am., 24 ins. in the ground, for the cor. of secs. 29, 30, 31 and 32, with brass cap mkd.

T 17 S R 5 W

S 30	S 29
S 31	S 32

1920

Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.

The course of this half mile therefore is S. 0° 03' E., and the dist. is 40.50 chs.

Land, nearly level.

Soil, light sand and sandy loam, 2 to 4 ft. deep, on light clay subsoil.

Timber, none.

Undergrowth, dense sagebrush andgreasewood.

Fair grazing.

From the cor. of secs. 29, 30, 31 and 32.

West, on resurvey line bet. secs. 30 and 31.

Over nearly level land, through dense sagebrush and greasewood undergrowth.

39.98 Fall 13 lks. S. of the ¼ sec. cor., which is

A cedar stake, 2x2x12 ins., badly decayed; marks illegible. 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 30 / S 31

1920

Chains.	
	Dig pits, 18x18x12 ins., E. and W., of post, 3 ft. dist.
	The course of this half mile therefore is N. 89° 49' W., and the dist. is 39.98 chs.
	Continue same line with continuous measurement.
79.97	Fall 243 lks. N. of the restored cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the twp., heretofore described.
	The course of this half mile therefore is S. 86° 20' W., and the dist. is 40.07 chs.
	Land, gently rolling.
	Soil, light sand and sandy loam, 2 to 4 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush and greasewood.
	Fair grazing.

	Survey of the E. Bdy., T. 17 S., R. 5 W.
	From the ¼ sec. cor., for secs. 7 and 12, on the E. Bdy. of the twp., heretofore described.
	South, bet. secs. 7 and 12, along the E. bdy. of the twp.
	Asc. over rolling land, through scattering scrub cedar timber, dense sagebrush and greasewood undergrowth.
.70	Fence, bears NW. and SE., on low ridge, bears NE and SW.; thence over numerous unimportant draws and spurs, draining and projecting E.
25.40	Ridge, bears NW. and SE., 130 ft. above ¼ sec. cor.; desc.
30.40	Ravine, drains NW., 40 ft. below ridge; asc.
34.90	Spur, projects W., 40 ft. above ravine; desc.
39.70	Ravine, drains N. 20° W., 90 ft. below spur; asc.
4[illegible].00	Leave temp. point.
45.65	Subsequently, at the intersection of the line bet. secs. 12 and 13.
	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on solid rock, 18 ins. in a large mound of stone, for the cor. of secs. 12 and 13, with brass

Chains.	
	cap mkd.
	T 17 S | S 12 / S 13 | S 7 | R 5 W
	1920 from which
	A cedar, 10 ins. diam., bears S. 48° W., 26 lks. dist., mkd BT.
	A cedar limb, 10 ins. diam., bears N. 49° W., 18 lks. dist., mkd. BT.
	Trees too scrubby for additional marking.
	Land, rolling.
	Soil, light sand 2 to 4 ft. deep in northern portion; shallow and rocky in the southern portion.
	Timber, scattering scrub cedar.
	Undergrowth, dense sagebrush and greasewood.
	General northwestern exposure. Limestone and quartzite formation. Fair grazing.

	From the cor. of secs. 12 and 13, on the E. bdy. of the twp., I run South on a random line along the E. bdy. of twp., and at
323.30	Intersect the S. bdy. of the twp. Set temp. point.
	From the cor. of secs. 12 and 13.
	South, on true line on the E. bdy. of the twp., along the E. bdy. of sec. 13.
	Asc. over mountainous land, through dense cedar and pinon timber, dense sagebrush undergrowth.
.50	Spur, projects W.; desc.
3.30	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. 7 and 18, R. 4 W., with brass cap mkd.
	T 17 S | S 7 / S 18 | S13 | R 4 W
	1920

Chains.	
	from which
	A cedar, 12 ins. diam., bears S. 83° 30' E., 122 lks. dist., mkd. T17S R4W S18 BT
	A cedar, 8 ins. diam., bears N. 8° E., 85 lks. dist., mkd. T17S R4W S18 BT.
3.50	Draw, drains W., 80 ft. below ¼ sec. cor.; asc.
14.20	Spur, projects NW., 180 ft. above draw; desc.
21.70	Draw, drains NW., 70 ft. below spur; asc.
25.40	Spur, projects NW., 40 ft. above draw; desc.
28.80	Draw, drains NW., 30 ft. below spur; asc.
35.70	Ridge, bears E. and W., 110 ft. above draw; desc.
43.30	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 13 | S 18

1920 from which

A cedar, 12 ins. diam., bears N. 35° W., 24 lks. dist., mkd. ¼ S13 BT.

A cedar, 18 ins. diam., bears N. 80° 30' E., 56 lks. dist., mkd. ¼ S18 BT.

57.60	Draw, 50 ft. deep, drains W., asc.
62.75	Spur, projects W., 60 ft. above draw; desc.
67.70	Draw, drains W., 30 ft. below spur; asc.
70.80	Low spur, projects W.; desc.
74.00	Draw, drains NW. approximately 5 chs., thence S. 80° W.
83.30	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 13, 18, 19 and 24, with brass cap mkd.

T 17 S

R 5 W | R 4 W

S 13 | S 18

S 24 | S 19

1920 from which

A cedar, 16 ins. diam., bears N. 55° E., 43 lks. dist., mkd. T17 S R4W S18 BT.

Chains.	
	A cedar, 12 ins. diam., bears S. 44° E., 58 lks. dist., mkd. T17S R4W S 19 BT.
	A cedar, 8 ins. diam., bears S. 73° W., 53 lks. dist., mkd. T17S R5W S24 BT
	A cedar, 10 ins. diam., bears N. 80° 30' W., 46 lks. dist., mkd. T17S R5W S13 BT.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush and greasewood.
	General western exposure. Limestone and quartzite formation. Fair grazing.

	From the cor. of secs. 13, 18, 19 and 24.
	South, on E. bdy. of twp., bet. secs. 19 and 24.
	Over mountainous land, through dense cedar timber, and dense sagebrush undergrowth.
.70	Draw, drains W.; asc.
8.70	Spur, projects W., 80 ft. above draw; thence across head of draw draining W.
12.20	Spur, projects SW.; desc.
23.90	Draw, drains W., 140 ft. below spur; asc. abruptly.
26.00	Point of spur projects W.; thence across unimportant draws draining NW.; all heading approximately 1 chain SE. and E. of line.
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 24 | S 19

1920

from which

A cedar, 8 ins. diam., bears N. 66° E., 83 lks. diat., mkd. ¼ S19 BT.

A cedar, 12 ins. diam., bears S. 86° W., 37 lks. dist., mkd. ¼ S24 BT.

Chains.	
46.30	Ridge, bears E. and W., 100 ft. above draw; desc.
53.50	Draw, drains S. 70° W., 210 ft. below ridge; asc.
76.80	Low spur. projects W: desc.
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. 19, 24, 25 and 30, with brass cap mkd.

T 17 S
R 5 W | R 4 W
S 24 | S 19
S 25 | S 30
1920

from which

A cedar, 10 ins. diam., bears N. 64° E., 53 lks. dist., mkd. T17S R4W S 19 BT.

A cedar, 10 ins. diam., bears S. 31° 30' E., 16 lks. dist., mkd. T17S R4W S30 BT.

A cedar, 14 ins. diam., bears S. 29° W., 118 lks. dist., mkd. T17S R5W S25 BT.

A cedar 10 ins. diam., bears N. 63° 30' W., 39 lks. dist., mkd. T17S R5W S24 BT.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense cedar.

Undergrowth, dense sagebrush and greasewood.

General western exposure. Limestone and quartzite formation. Fair grazing.

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

South, on E.bdy. of twp., bet. secs. 25 and 30.

Desc. over mountainous land, through dense cedar timber, dense sagebrush and greasewood undergrowth.

2.40	Draw, drains W., 30 ft. below sec. cor.; asc.
7.50	Spur, projects W., 60 ft. above draw; desc.
15.40	Draw, drains W., 80 ft. below spur; asc. Woodroad bears E. and W.
19.10	Spur, projects W., 40 ft. above draw; desc.

Chains.	
30.50	Draw, drains W., 60 ft. below spur; asc.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, on soild rock, in large mound of stone, for the ¼ sec. cor., with brass cap mkd.

¼

S 25 | S 30

1920 from which

A pinon, 14 ins. diam., bears N. 36° W., 42 lks. dist., mkd. ¼ S25 BT.

A pinon, 18 ins. diam., bears N. 55° 30' E., 25 lks. dist., mkd. ¼ S30 BT.

50.30	Low spur, projects W.; desc.
64.00	Draw, drains W., 40 ft. below spur; asc.
80.00	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 17 S

R 5 W | R 4 W

S 25 | S 30

S 36 | S 31

1920 from which

A cedar, 16 ins. diam., bears N. 70° E., 88 lks. dist., mkd. T17S R4W S30 BT.

A cedar, 8 ins. diam., bears S. 62° 30' E., 34 lks. dist., mkd. T17S R4 W S31 BT.

A cedar, 24 ins. diam., bears S. 21° W., 81 lks. dist., mkd. T17S R5W S36 BT.

A cedar, 8 ins. diam., bears N. 66° 30' W., 18 lks. dist., mkd. T17S R5W S25 BT.

Land, mountainous.

Soil, light clay andgravel, shallow and rocky.

Timber, dense cedar and pinon.

Undergrowth, dense sagebrush and greasewood.

General western exposure. Limestone and quartzite formation. Good grazing.

Chains.	
	From the cor. of secs. 25, 30, 31 and 36.
	South, on the E. bdy. of the twp., bet. secs. 31 and 36.
	Desc. over mountainous land, through, dense cedar and pinon timber, dense sagebrush and greasewood undergrowth.
9.20	Woodroad, bears NE. and SW.
10.30	Wash, 10 lks. wide, 3 ft. deep, in bottom of draw drains W.; 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 36 | S 31

1920 from which

A cedar, 12 ins. diam., bears N. 75° E., 14 lks. dist., mkd. ¼ S31 BT.

A cedar, 16 ins. diam., bears S. 43° W., 73 lks. dist., mkd. ¼ S36 BT.

50.00	Low spur, projects NW.; desc.
80.00	At intersection with the S. bdy. of twp.

Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground, on solid rock, in large mound of stone, for the cor. of twps. 17 S., Rgs. 4 and 5 W., with brass cap mkd.

T 17 S

R 5 W | R 4 W

S 36 | S 31

S 6

T 18 S

1920 from which

A cedar, 14 ins. diam., bears N. 54° E., 83 lks. dist., mkd. T17S R4W S31 BT.

A cedar, 8 ins. diam., bears N. 88° W., 93 lks. dist., mkd. T17S R5W S36 BT.

Land, mountainous.

Soil, light clay and gravel, shallow and rocky.

Timber, dense scrub cedar and pinon.

Undergrowth, dense sagebrush and greasewood.

Chains.	
	General western and southwestern exposure. Limestone and quartzite formation. Fair grazing.

	From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the twp, heretofore described.
	East, on the S. bdy. of the twp., bet. secs. 2 and 35.
	Asc. over rolling land, through dense scrub cedar and pinon timber; dense sagebrush and greasewood undergrowth.
33.37	Subsequently. Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground, in large mound of stone for the ¼ sec. cor. for sec. 2, T. 18 S., with brass cap mkd.
	¼ S 2 / 1920
	No trees within limits suitable for bearing trees.
33.60	Road, bears NW. and SE.
36.55	Oak City-Holden road, bears N. and S. at junction of road from the NW. Leave rolling land, enter foot hills.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, on solid rock, in large moundof stone, for the ¼ sec. cor. for sec. 35, T. 17 S., with brass cap mkd.
	¼ S 35 / 1920
	No trees within limits suitable for bearing trees.
41.00	Low spur, projects S.
45.30	Shallow draw, drains SW.; asc.
73.37	Subsequently the point for the cor. of secs. 1 and 2, T. 18 S., For description of same, see notes of line bet. secs. 1 and 2, T. 18 S., R. 5 W.
82.00	Leave temp. point.
82.87	Subsequently at the intersection of the line bet. secs. 35 and 36.

Chains.	
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 35 and 36, with brass cap mkd.
	T 17 S R 5 W S 35 | S 36 S 1 T 18 S 1920 from which
	A cedar, 18 ins. diam., bears N. 10° E., 126 lks. dist., mkd. T17S R5W S36 BT.
	A cedar, 24 ins. diam., bears N. 8° W., 136 lks. dist., mkd. T17S R5W S35 BT.
	This cor. was originally marked for four secs. and the marks subsequently changed to read as above.
	Land, rolling. Timber, scrub cedar and pinon.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil in the western portion; light clay and gravel; shallow and rocky in the eastern portion.
	General western exposure. Limestone and quartzite formation. Fair grazing. Undergrowth, greasewood and sagebrush.
	From the cor. of secs. 35 and 36.
	East, on the S. bdy. of the twp., along the S. bdy. of sec. 36.
	Desc. over mountainous land, through dense scrub cedar and pinon timber, dense sagebrush undergrowth.
1.00	Draw, drains NW.; asc.
12.10	Ridge, bears NW. and SE., 90 ft. above draw; desc.
25.00	Draw, 50 ft. deep, drains N.; asc.
30.50	Subsequently, Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 1, T. 18 S., with brass cap mkd.
	¼ S 1 1920 from which
	A cedar, 24 ins. diam., bears S. 70° E., 54 lks. dist., mkd. ¼ S1 BT.

Chains.	
	A cedar, 18 ins. diam., bears S. 1° W., 57 lks. dist., mkd. ¼ S1 BT.
38.00	Draw, 50 ft. deep, drains N. 20° E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 36, with brass cap mkd.
	¼ S 36 / 1920 from which
	A cedar, 24 ins. diam., bears N. 62° W., 291 lks. dist., mkd. ¼ S36 BT.
	A cedar, 30 ins. diam., bears N. 66° E., 128 lks. dist., mkd. ¼ S36 BT.
44.50	Spur, projects N., 50 ft. above draw; desc.
62.80	Draw, drains NW., 80 ft. below spur; asc.
71.55	Subsequently the point for the cor. of T. 18 S., Rgs. 4 and 5 W.
78.00	Spur, projects NW., 190 ft. above draw; desc.
87.15	Draw, drains N., 70 ft. below spur; asc.
87.50	The cor. of T. 17 S., Rs. 4 and 5 W., 20 lks. S. of the temp. point left on the E. bdy. of the twp., hereto - fore described.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush and greasewood.
	General western and northwestern exposure. Limestone and quartzite formation. Fair grazing.

	Subdivision.
	From the ¼ sec. cor., bet. secs. 23 and 26.
	East, on true line bet. secs. 23 and 26.
	Asc. over rolling land, through dense scrub cedar and pinon timber, dense sagebrush and greasewood under-growth.
9.90	Spur, projects N., 75 ft. above ¼ sec. cor.; desc.
13.30	Ravine, drains N.

Chains.	
18.25	Oak City-Holden road, bears NE. and SW.
40.00	Subsequently the point for the cor. of secs. 23, 24, 25 and 26.

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

T 17 S R 5 W

S 23	S 24
S 26	S 25

1920

from which

A cedar, 16 ins. diam., bears N. 46° E., 61 lks. dist., mkd. T17S R5W S24 BT.

A cedar, 18 ins. diam., bears S. 17° E., 89 lks. dist., mkd. T17S R5W S25 BT.

A cedar, 18 ins. diam., bears S. 46° W., 48 lks. dist., mkd. T17S R5W S26 BT.

A cedar, 8 ins. diam., bears N. 38° W., 143 lks. dist., mkd. T17S R5W S23 BT.

Land, rolling.

Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.

Timber, dense scrub cedar and pinon.

Undergrowth, dense sagebrush and greasewood.

General northwestern exposure. Limestone and quartzite formation. Fair grazing.

From the cor. of secs. 23, 24, 25 and 26.

North, on random line bet. secs. 23 and 24.

40.00	Set temp. ¼ sec. cor.
82.97	Intersect the cor. of secs. 14 and 23.

South, on true line bet. secs. 23 and 24.

Over rolling land, through dense scrub cedar and pinon timber, dense sagebrush and greasewood undergrowth.

3.17	Subsequently the point for the cor. of secs. 13 and 24.
7.55	Oak City-Holden road, bears N. 10° E., and S. 10° W.
22.00	Wash, 10 lks. wide, drains W.

Chains.	
24.10	Wash, 50 lks. wide, 10 ft. deep, drains NW.
41.48½	Proportional measurement. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 23, with brass cap mkd.
	¼ S 23 1920 from which
	A cedar, 8 ins. diam., bears S. 52° 45' W., 33 lks. dist., mkd. ¼ S23 BT.
	A cedar, 6 ins. diam., bears N. 49° 15' W., 42 lks. dist., mkd. ¼ S23 BT.
43.07	Subsequently. 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 1920 from which
	A cedar, 8 ins. diam., bears N. 21° E., 13 lks. dist., mkd. ¼ S24 BT.
	No other tree within limits suitable for bearing trees.
60.40	Low sand ridge, bears E. and W.; desc.
64.80	Draw, drains NW.; asc.
82.97	The cor. of secs. 23, 24, 25 and 26, 140 ft. above draw.
	Land, rolling.
	Soil, light sand, 2 to 4 ft. deep on light clay subsoil.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush and greasewood.
	General western exposure. Limestone and quartzite formation. Fair grazing.

	From the ¼ sec. cor. bet. secs. 26 and 35.
	Eastm on true line bet. secs. 26 and 35.
	Asc. gradually over rolling land, through dense sagebrush and greasewood undergrowth.
4.50	Oak City- Holden road, bears N. and S.

Chains	
20.50	Enter dense scrub cedar and pinon timber, bears N. and S.
40.00	Leave temp. point.
40.54	Subsequently the point for 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. 26 and 35, with brass cap mkd.

T 17 S | S 26 / S 35 | S 36 | R 5 W

1920 from which

A cedar, 5 ins. diam., bears S. 62° W., 109 lks. dist., mkd. T17S R5W S35 BT.

A cedar, 6 ins. diam., bears N. 21° 30' W., 117 lks. dist., mkd. T17S R5W S26 BT.

Land, rolling.

Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.

Timber, dense scrub cedar and pinon in the eastern portion

Undergrowth, dense sagebrush andgreasewood.

General western exposure. Limestone and quartzite formation. Fair grazing.

	From the temp. point left on line bet. secs. 26 and 35.
	North, on random line bet. secs. 25 and 26.
40.00	Leave temp. point for ½ sec. cor.
80.95	Fall 54 lks. W. of the cor. of secs. 23, 24, 25 and 26.
	From the cor. of secs. 23, 24, 25 and 26.
	South, on true line bet. secs. 25 and 26.
	Asc. over mountainous land, through scattering scrub cedarand pinon timber, dense sagebrush and greasewood undergrowth.
2.00	Ridge, bears E. and W.; desc.
7.00	Draw, 50 ft. deep, drains S. 80° W.; asc.
14.50	Spur, projects W., 30 ft. above draw; desc.
27.40	Draw, drains SW., 70 ft. below spur; asc.

Chains.

40.18½ Subsequently set and iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 25, with brass cap mkd.

¼
S 25
1920

from which

A cedar, 10 ins. diam., bears S. 63° E., 26 lks. dist., mkd. ¼ S25 BT.

No other trees within limits suitable for bearing trees.

40.47½ Proportional measurement: Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 26, with brass cap mkd.

¼
S 26
1920

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

No trees within limits suitable for bearing trees.

50.90 Draw, drains SW.

80.37 Subsequently the point for the cor. of secs. 25 and 36.

80.95 The cor. of secs. 26 and 35.

Land, rolling.

Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.

Timber, scattering scrub cedar and pinon.

Undergrowth, dense sagebrush and greasewood.

General western exposure. Limestone and quartzite foramtion. Fair grazing.

From the cor. of secs. 26 and 35.

South, on true line bet. secs. 35 and 36.

Desc. over rolling land, through dense scrub cedar and pinon timber, dense sagebrush and greasewood undergrowth.

3.60 Wash, 15 lks. wide, 5 ft. deep, drains W.

24.70 Wood road, bears N. 79° E. and S. 70° W.

30.10 Wash, 15 lks. wide, 10 ft. deep, drains S. 70° W. Asc.

Chains.	
	western slope of low sand hills heavily timbered.
39.45	Subsequently set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 36, with brass cap mkd.
	¼ | S 36
	1920 from which
	A cedar, 16 ins. diam., bears S. 12° E., 57 lks. dist., mkd. ¼ S36 BT.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for the ¼ sec. cor. for sec. 35, with brass cap mkd.
	¼ | S 35
	1920 from which
	A cedar, 6 ins. diam., bears N. 51° W., 218 lks. dist., mkd. ¼ S35 BT.
73.00	Spur, projects W., 80 ft. above ¼ sec. cor.; desc.
78.90	Draw, drains NW., 60 ft. below spur; asc.
79.48	Intersect the S. bdy. of the twp., 87 lks. E. of the temp. point. The cor. of secs. 35 and 36, heretofore described.
	Land, rolling.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush and greasewood.
	General western exposure. Limestone and quartzite formation. Fair grazing.

	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the twp. heretofore described.
	West, on random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
87.39	Intersect the E. bdy. of sec. 26, 58 lks. N. of the cor of secs. 26 and 35.
	At point of intersection

Chains	
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs, 25 and 36, with brass cap mkd.
	T 17 S S 36 | S 25 / S 36 R 5 W
	1920 from which
	A cedar, 10 ins. diam., bears N. 77° 45' E., 114 lks. dist., mkd. T17S R5W S25 BT.
	A cedar, 16 ins. diam., bears S. 82° E., 174 lks. dist., mkd. T17S R5W S36 BT.
	East, on true line bet. secs. 25 and 36.
	Over rolling land, through dense scrub cedar and pinon timber, dense sagebrush and greasewood undergrowth.
6.40	Wash, 10 lks. wide, 5 ft. deep, drains SW.
31.10	Wood road, bears NE. and SW.
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 25 / S 36
	1920 from which
	A cedar, 8 ins. diam., bears S. 22° E., 128 lks. dist., mkd. ¼ S36 BT.
	A cedar, 12 ins. diam., bears N. 33° 15' E., 77 lks. dist., mkd. ¼ S25 BT.
84.70	Draw, drains SW.
87.39	The cor. of secs. 25, 30, 31 & 36 on E. bdy. of the twp.
	Land, rolling.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush andgreasewood.
	General western exposure. Limestone and quartzite formation. Fair grazing.

	From the cor. of secs. 19, 24, 25 & 30 on the E. bdy. of the

Chains.	
	twp., heretofore described.
	West, on random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
87.44	Intersect the N. and S. line, 17 lks. S. of the cor. of secs. 23, 24, 25 and 26.
	S. 89° 53' E., on true line bet. secs. 24 and 25.
	Asc. over mountainous land, through dense scrub cedar and pinon timber, dense sagebrush undergrowth. Along general north slope near top of ridge, bearing approximately E. and W.
9.00	Flat spur, projects N. 10° W.
33.50	Top of ridge, bears S. 80° E. and S. 85° W., bears S. approximately 50 lks. dist.
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 24 / S 25
	1920 from which
	A cedar, 18 ins. diam., bears N. 12° W., 26 lks. dist., mkd. ¼ S24 BT.
	A cedar, 18 ins. diam., bears S. 45° E., 43 lks. dist., mkd. ¼ S25 BT.
	Cor. established near head of small draw draining N.
51.80	Spur, projects N., from ridge, approximately 1 chain S.
56.00	Main ridge, bears NE. and S. 70° W.; desc.
63.00	Draw, drains S.; asc.
81.40	Spur, projects SW.; desc.
87.44	The cor. of secs. 19, 24, 25 & 30 on E. bdy. of the twp.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebrush.
	General northern exposure. Limestone and quartzite formation. Fair grazing.

From the cor. of secs. 13, 18, 19 & 24 on E. bdy. of

Chains.	
	the twp., heretofore described.
	West, on random line, bet. secs. 13 and 24.
47.00	Set temp. ¼ sec. cor.
87.37	Intersect the N. and S. line, 3.17 chs. S. of the cor. of secs. 14 and 23. At point of intersection 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. 13 and 24, with brass cap mkd.

T 17 S

S 23 | S 13 / S 24

R 5 W

1920 from which

A cedar, 12 ins. diam., bears N. 44° E., 169 lks. dist., mkd. T17S R5W S13 BT.

A cedar, 10 ins. diam., bears S. 47° 30' E., 95 lks. dist., mkd. T17S R5W S24 BT.

	East, on true line bet. secs. 13 and 24.
	Asc. over rolling land, through dense scrub cedar and pinon timber, dense sagebrush undergrowth.
1.20	Road, Oak City to Holden, bears N. and S.; asc. W. slope of spur.
5.50	Spur, projects SW., 70 ft. above sec. cor.; desc.
13.80	Shallow draw, drains SW.; asc.
20.50	Spur, projects SW., 80 ft. above draw; desc.
28.70	Draw, drains SW., 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 13 / S 24

1920 from which

A cedar, 14 ins. diam., bears S. 30° W., 111 lks. dist., mkd. ¼ S24 BT.

A cedar, 10 ins. diam., bears N. 44° E., 93 lks. dist., mkd. ¼ S13 BT.

55.30	Spur, projects S., approximately 5 chs. 150 ft. above

Chains	
	draw; desc.
68.40	Draw, drains S. 70° W., 50 ft. below spur; asc.
87.37	The cor. of secs. 13, 18, 19 & 24 on E. bdy. of the twp.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense scrub cedar and pinon.
	Undergrowth, dense sagebruah.
	General western exposure. Limestone formation. Fair grazing.

	From the ¼ sec. cor., bet. secs. 12 and 13, heretofore described.
	East, on true line bet. secs. 12 and 13.
	Asc. over rolling land, through dense scrub cedar and pinon timber, dense sagebrush undergrowth.
3.70	Wash, from draw to the SE., drains NW.; also foot of mountains bears NW. and SE.; continue asc.
15.50	Low spur, projects S., 90 ft. above wash; desc. gradually.
17.10	Shallow draw, drains SW.; asc.
24.60	Ridge, bears N. 10° W., and S. 10° E., 130 ft. above draw; desc.
33.00	Draw, drains NW., 60 ft. below ridge; asc. nearly N. slope of spur projecting W.
46.75	The cor. of secs. 12 and 13, on the E. bdy. of the twp., heretofore described.
	Land, mountainous.
	Soil, light clay and gravel, shallow and rocky.
	Timber, dense scrub cedar and pinon. Undergrowth, sagebrush.
	General western exposure. Limestone and quartzite formation. Fair grazing.

	From the ¼ sec. cor. bet. secs. 19 and 30, heretofore described.
	West, on true line bet. secs. 19 and 30.
	Over rolling land, through dense sagebrush and grease-

Chains.	
	wood undergrowth.
39.28	Intersect the W. bdy. of the twp., N. 0° 33' E., 4.67 chs. from the cor. of secs. 24 and 25.
	At point of interscetion
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 19 and 30, with brass cap mkd.

		T 17 S
S 24		S 19
		S 30
		R 5 W

1920

	Dig pits, 1 8x18x12 ins., in each sec., 3 ft. dist.
	Land, rolling.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush and greasewood.
	Fair grazing.

	From the ¼ sec. cor. bet. secs. 18 and 19, heretofore desc.
	West, on true line bet. secs. 18 and 19.
	Over rolling land, through dense sagebrush and greasewood undergrowth.
14.00	Oak City-Delta road, bears NW. and SE.
38.45	Intersect the W. bdy. of the twp., N. 0° 34' E., 6.49 chs. from the cor. of secs. 13 and 24, heretofore described. At point of intersection
	Set an iron postm 3 ft. long, 2 ins. diam., 24 ins. in the ground, for the cor. of secs. 18 and 19, with brass cap mkd.

		T 17 S
S 13		S 18
		S 19
		R 5 W

1920

	Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.

Chains	
	Land, rolling,
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush and greasewood.
	Fair grazing.

	From the cor. of secs. 7, 8, 17 and 18, heretofore described.
	West, on true line bet. secs. 7 and 18.
	Over rolling land, through dense sagebrush and greasewood undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for the ¼ sec. cor., with brass cap mkd.
	¼ S 7 / S 18
	1920
	Dig pits, 18x18x12 ins. E. and W. of post, 3 ft. dist.
77.98	Intersect the W. bdy. of the twp., N. 0° 35' E., 7.11 chs. from the cor of secs. 12 and 13, heretofore described. At point of intersection
	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 17 S / S 12 S 7 / S 18 / R 5 W
	1920
	Dig pits, 18x18x12 ins. in each sec., 3 ft. dist.
	Land, rolling.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush andgreasewood.
	Fair grazing.

	From the ¼ sec. cor., bet. secs. 6 and 7, heretofore

Chains.	
	described.
	West, on true line bet. secs. 6 and 7.
	Over rolling land, through dense sagebrush and greasewood undergrowth.
39.21	Intersect the W. bdy. of the twp., N. 0° 31' E., 9.68 chs. from the cor. of secs. 1 and 12, heretofore described. At point of intersection
	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 17 S S 1 | S 6 / S 7 R 5 W 1920
	Dig pits, 18x18x12 ins., in each sec., 3 ft. dist.
	Land, rolling.
	Soil, light sand, 2 to 4 ft. deep, on light clay subsoil.
	Timber, none.
	Undergrowth, dense sagebrush and greasewood.
	Fair grazing.

Latitudes, Departures, and Closing Errors.

Eastern Portion.

Lines designated.	Course.	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
Bet.Secs.34 & 35.	N. 4°32'E.	38.78	38.66	.....	3.07	.....
Bet.Secs.34 & 35.	N. 0°59'W.	40.76	40.75	.....	.....	.70
Bet.Secs.26 & 27.	N. 0°10'E.	40.85	40.85	.....	.12	.....
Bet.Secs.26 & 27.	N. 0°07'E.	40.77	40.77	.....	.08	.....
Bet.Secs.22 & 23.	N. 0°02'W.	82.10	82.10	.....	.....	.05
Bet.Secs.14 & 23.	N.88°46'E.	40.65	.87	.....	40.64	.....
Bet.Secs.14 & 23.	S.89°10'E.	40.00	.....	.58	40.00	.....
Bet.Secs.13 & 14.	N. 0°53'E.	40.00	40.00	.....	.62	.....
Bet.Secs.13 & 14.	N. 0°49'W.	40.62	40.62	.....	.....	.58
Bet.Secs,11 & 12.	N. 0°22'E.	81.42	81.42	.....	.52	.....
Bet.Secs. 1 & 12.	N.88°13'E.	86.56	2.69	.....	86.52	.....
E.Bdy.T.17 S.,R.5 W.	S. 0°10'E.	40.74	.....	40.74	.12	.....
E.Bdy.T.17 S.,R.5 W.	South.	367.15	.....	367.15	.....	.....
S.Bdy.T.17 S.,R.5 W.	West.	170.37	.....	.....	.....	170.37
Convergency, ...		.....	.....	.....	.13	.....
Totals,		.....	408.73	408.47	171.82	171.70
			408.47		171.70	

Error in latitude, ...26

Error in departure, ...12

Closing error, 1 in 4000.

Western Portion.

Lines Designated.	Course.	Dist.	Latitudes. N.	Latitudes. S.	Deaprtures. E.	Deaprtures. W.
W.Bdy.T.17 S.,R.5 W.	N. 0°33'E.	158.14	158.13	.....	1.52	.....
W.Bdy.T.17 S.,R.5 W.	N. 0°34'E.	80.30	80.30	.....	.79	.....
W.Bdy.T.17 S.,R.5 W.	N. 0°35'E.	40.24	40.24	.....	.41	.....
W.Bdy.T.17 S.,R.5 W.	N. 0°30'E.	40.18	40.18	.....	.35	.....
W.Bdy.T.17 S.,R.5 W.	N. 0°31'E.	80.15	80.15	.....	.72	.....
W.Bdy.T.17 S.,R.5 W.	N. 0°30'E.	12.15	12.15	.....	.11	.....
N.Bdy.T.17 S.,R.5 W.	East.	40.65	.....	.....	40.65	.....
N.Bdy.T.17 S.,R.5 W.	S.89°57'E.	40.51	.....	.04	40.51	.....
Bet.Secs. 5 & 6.	S. 1°55'W.	82.81	.....	82.76	.....	2.77
Bet.Secs. 7 & 8.	S. 1°20'W.	82.90	.....	82.88	.....	1.93
Bet.Secs.17 & 18.	S. 0°03'W.	40.55	.....	40.55	.....	.04
Bet.Secs.17 & 18.	S. 0°06'E.	40.58	.....	40.58	.07	.....
Bet.Secs.19 & 20.	S. 0°06'E.	40.62	.....	40.62	.07	.....
Bet.Secs.19 & 20.	S. 0°02'E.	40.57	.....	40.57	.02	.....
Bet.Secs.29 & 30.	S. 0°04'E.	40.60	.....	40.60	.05	.....
Bet.Secs.29 & 30.	S. 0°03'E.	40.50	.....	40.50	.04	.....
Bet.Secs.30 & 31.	N.89°49'W.	39.98	.13	.....	.....	39.98
Bet.Secs.30 & 31.	S.86°20'W.	40.07	.....	2.56	.....	39.99
Convergency, ...		.....	.....	.....	.08	.....
Totals, ...			411.28	411.66	85.39	84.71
				411.28	84.71	

Error in latitude, ...38

Error in departure, ...68

Closing error, 1 in 4000

GENERAL DESCRIPTION.

The eastern portion of the township coming under this survey is mostly rolling hills which designate the line where the edge of a high and rugged mountain range to the east meets the sandy desert land to the west. It is mountainous in character, cut by numerous draws and ravines draining in a general westerly direction, with ridges and spurs between. It is covered with a dense growth of gnarled and scrubby cedar and pinon timber, the cedar predominating, only fit for fence posts and fuel.

The soil in the hills is mostly light gravel, shallow and rocky, becoming quite sandy in the bottom of the ravines and to the west.

The sedimentary rock of the entire township is that of the Quaternary, with the Carboniferous and Undifferentiated Paleozoic in the mountain range to the east.

This township is located in an ideal climate for fruit and melons where water is available for irrigation. The town of Oak City, a farming settlement of approximately 500 inhabitants, is located in Sec. 6, T. 17 S., R. 4 W. The soil is rich and fertile and grows fruit, melons, grain and alfalfa in abundance.

The western range of sections is located on a gently rolling sandy desert, approximately midway between Oak City and Delta. The soil is light sand and drifts with the wind in many places. There are no trees, and in the summer season it is extremely dry and hot.

V. E. Gustaveson, whose post office address is McCormick, Utah, claims 120 acres in the SW. ¼ of sec. 35. He has a shack, approximately 10 acres under fence and cultivation, growing a poor dry farm crop of corn, beans, potatoes and cane. Not seen from line

We noticed no indication of coal, mineral nor oil in this township.

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Page

BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Melvin H. Lewis	First Chainman.
H. B. Buckley	Second Chainman.
Jack Q. Blades	Flagman.
Elwood Skelton	Cornerman.
Earl Lovell	Cornerman.

Volume

#

R0451

6—2764

CADASTRAL ENGINEERS.

CERTIFICATE OF UNITED STATES/~~SURVEYOR~~

We I, Howard W. Miller and Jos. C. Thoma, U. S. Cadastral Engineers, ~~U. S. Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the sixteenth day of January, 1919, We I have well, faithfully, and truly in our ~~my~~ own proper persons and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of T. 17 S., R. 5 W.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by us ~~me~~, and under our ~~my~~ direction; and on dates as shown on date diagram, pa and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Dated, Salt Lake City, Utah, this 21st day of March, 1921.

Howard W. Miller
~~U. S. Surveyor~~.
Jos. C. Thoma
U. S. Cadastral Engi

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, May 31, 1922

The foregoing field notes of the ~~survey of~~ resurvey of portions of the north, south and east boundaries; resurvey of the west boundary or guide meridian; survey of portions of the south and east boundaries; and resurvey and survey of a portion of the subdivisional lines of Township No. 17 South, Range No. 5 West, of the Salt Lake Base and Meridian, Utah;

executed by Howard W. Miller and Jos. C. Thoma

under ~~his~~ special instructions dated January 16, 1919, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys and surveys they describe, are hereby approved.

E. S. Townson
U. S. Surveyor General.

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

_____
U. S. Surveyor General.

6—2764

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4—670

BOOK A-451

B.

Filed Mar. 8, 1921

FIELD NOTES

OF THE SURVEY OF ~~THE~~

A PORTION OF THE NORTH BOUNDARY, AND A PORTION OF THE SUBDIVISION; AND THE RESURVEY OF A PORTION OF THE SUBDIVISION OF T. 22 S., R. 5 E.

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 Special Instructions dated* January 16, *19*20, *issued by the United States Surveyor General to govern surveys included in Group No.* 76, *which were approved by the Commissioner of the General Land Office,* February 15, *191*9, *and Assignment Instructions dated* November 5, *1919* And supplemental assignment instructions dated May 3, 1920.

Survey commenced October 17, *19*20.

Survey completed November 18, *19*20.

6—151

BOOK A-151

INDEX DIAGRAM.

Township 29 South, *Range* 5 East

6	5 23	4 66 29 66	3 56 28 65	2 46 26 55	1 25 45
7	8 21	9 63 63	10 53 62	11 43 52	12 42
18	17 18	16 60 60	15 51 59	14 41 50	13 39
19	20 16	21 57 36	22 48 34	23 38 33	24 31
30	29 13	28 47 11	27 37 7 8	26 30 5 5	25 4
31	32	33	34	35	36

T. 29 S., R. 5 E.

DATE DIAGRAM OF T. 29 S., R. 5 E.

	11-15-20	11-15-20	11-15-20	11-15-20
10-31-20	4 11-16-20	3 11-15-20	2 11-15-20	1
	11-16-20	11-16-20	11-11-20	11-11-20
10-21-20	9 11-10-20	10 11-11-20	11 11-11-20	12
	11-10-20	11-9-20	11-9-20	11-8-20
10-29-20	16 11-10-20	15 11-9-20	14 11-9-20	13
	11-6-20	11-6-20	11-4-20	11-4-20
10-29-20	21 11-5-20	22 11-3-20	23 11-2-20	24
	11-5-20	11-3-20	10-24-20	11-2-20
10-28-20	28 10-25-20 11-17-20	27 10-25-20 11-17-20	26 10-24-20	25
	10-26-20	10-25-20	10-21-20	10-21-20

Survey commenced October 17, 1920 and executed with Young and Sons light mountain transit No. 8531. Instrument is equipt with Smith Solar attachment and full vertical circle. The horizontal limb is 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 and vertical circle.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for district No. 6, conditional upon satisfactory field tests, in assignment instructions dated November 5, 1920.

I examine the adjustments of the instrument and correct the level and collimation errors, then, to test the solar

apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with the meridian determined by observations made on Polaris July 22, 1920, at my camp situated in sec. 11, T. 30 S., R. 5 E., and recorded in notes pertaining to the survey of T. 30 S., R. 5 E.; I proceed as follows:

October 17, 1920: At 9h 00m a.m., with the transit on the Polaris meridian, I set off 38°14' N. on the latitude arc, 9°17' S. on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

At app. noon, with the latitude arc unchanged, I set off 9°20' S., on the declination arc and observe the sun on the meridian and find that the declination set off agrees with the computed declination of the sun.

At 3h 00m p.m. app. t., with the latitude arc unchanged, I set off 9°23' S., on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

As all the solar observations made during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instruement are satisfactory.

The instrument was kept in good adjustment throughout the progress of this survey, frequent tests being being made on a meridian determined by observations on Polaris.

At the completion of the survey of this township, I make a final test of the instrument as follows.

November 19, 1920: At my camp, situated in the SW. ¼ of sec. 7, T. 29 S., R. 5 E., approximate latitude 38°18' N., longitude 111°27' W.; At 3h 37.2m a.m. l. m. t., I observe Polaris at western elongation with telescope in direct and reversed positions and mark the line thus determined with a tack in a stake firmly driven in the ground, 10.00 chs. to the N. of my station.

At. 8h 30m a.m. app. t., I lay off the azimuth of Polaris

which is 1°25' to the east and mark the line thus determined by a tack in a stake, 10.00 chs. N. of my station.

At 9h.00m app. t., with the transit in the meridian, I set off 38°18' N., on the latitude arc, 19°28' S., on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

At app. noon, I make a meridian observation of the sun for time and latitude, observing simultaneously the alitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the alitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed alitude	32°11'
Reduced latitude	38°18'
Mean watch time of observation	12h 10m
Watch slow of l.m.t.	24m 32.3s.

At app. noon with the instrument in the meridian and the latitude arc unchanged, I find the reading of the declination arc to be 19°31' S.

At 3h 00m p.m. app. t., with the latitude arc unchanged, I set off 19°32' S., on the declination arc; and determine a meridian with the solar which I find agrees with the true meridian.

As all of the solar observations made during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

MEASUREMENTS.

Unless otherwise specified, all measurements are made with Lallie steel ribbon tapes 5 chains in length compared with a Lufkin standard steel tape 1 chain in length and 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.

CHAINS

From the cor. secs. 25 and 36, on the E. bdy. of the township, heretofore described; the cor. secs. 25, 26, 35 and 36 being visible.

S. 18°32' W., on a resurvey line bet. secs. 25 and 36 to visible signal left at cor. secs. 25, 26, 35 and 36.

Descend abruptly over steep W. slope of rocky ridge through dense cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.

21.01 The cor. secs. 25, 26, 35 and 36, which is a limestone 12 x 12 x 18 ins., lying on ground, marked with one groove on two cornering edges. I restore cor. as follow

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for the reestablished cor. secs. 25, 26, 35 and 36, with brass cap marked.

T29S S26	R5E S25
S35	S36

1920

From which

A cedar, 14 ins. dia., bears N. 47° E., 50 lks. dist., marked T29S R5E S25 BT.

A pinon, 6 ins. dia., bears S. 70° E., 26 lks. dist., marked T29S R5E S36 BT.

A pinon, 8 ins. dia., bears S. 68° W., 71 lks. dist., marked T29S R5E S35 BT.

A pinon, 6 ins. dia., bears N. 67° W., 43 lks. dist., marked T29S R5E S26 BT.

Land, rough and mountainous.

Soil, shallow red sandy loam with sandstone subsoil.

Drainage, N. into the Fremont River.

Undergrowth, scattering shadscale and sagebrush.

Timber, dense cedar and pinon.

Good grazing on all of mile.

CHAINS	
	N. 0°01' W., on a resurvey line bet. secs. 25 and 26.
	Descend gradually over steep W. slope of ridge through medium dense cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
30.40	Spur, 100 ft. below cor., projects W.; continue gradual descent.
40.00	On steep W. slope, 140 ft. below spur, find no trace of the ¼ sec. cor. I restore cor. as follows.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S26 | S25 1920
	From which
	A pinon, 8 ins. dia., bears N. 19° E., 30 lks. dist., marked ¼ S25 BT.
	A pinon, 7 ins. dia., bears S. 80° W., 41 lks. dist., marked ¼ S26 BT.
	Land, rough W. slope of ridge.
	Soil, shallow red sandy loam mixed with loose sandstone with sandstone subsoil.
	Drainage, W. into gulch which drains N. into the Fremont River.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, medium dense cedar and pinon.
	Fair grazing on all of ½ mile.

	From the cor. secs. 25, 26, 35 and 36.
	S. 89°51' W., on a retracement line bet. secs. 26 and 35.
39.92	Find no trace of the ¼ sec. cor.
	Continue S. 89°51' W., on same line with continuous measurement.
83.85	Fall 178 lks. S. of the cor. secs. 26, 27, 34 and 35. which is a trachyte, 10 x 10 x 12 ins. above ground,

CHAINS

firmly set, marked and witnessed as described by the surveyor general. The bearing of this mile is therefore N. 88°56' W., and the dist. is 83.86 chs.

I reestablish cor. as follows.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, alongside old cor., for cor. secs. 26, 27, 34 and 35, with brass cap marked.

T29S S27	R5E S26
S34	S35

1920

From which

A pinon, 5 ins. dia., bears N. 52° E., 36 lks. dist., marked T29S R5E S26 BT.

A pinon, 6 ins. dia., bears S. 44° E., 61 lks. dist., marked T29S R5E S35 BT.

A pinon, 8 ins. dia., bears S. 68° W., 71 lks. dist., marked T29S R5E S34 BT.

A pinon, 8 ins. dia., bears N. 41° W., 33 lks. dist., marked T29S R5E S27 BT.

S. 88°56' E., on a resurvey line bet. secs. 26 and 35.

Ascend gradually over rough mountainous land through dense cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.

7.60 Irrigation ditch, 10 lks. wide, 2 ft. deep, drains N. 10°

14.50 Brush fence, bears NW. and SE.

20.00 Ascent becomes abrupt, bears NE. and SW.

35.50 Sandstone spur, 320 ft. above sec. cor., projects N. 20° W. descend abrupt N. slope.

41.33 On steep N. slope, 55 ft. below spur; proportionate measurement.

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

RESURVEY OF SUBDIVISION OF T. 29 S., R. 5 E.

Chains	
	$\frac{1}{4}$ $\frac{S26}{S35}$ 1920
	from which
	A pinon, 10 ins.dia., bears S. 2° W. 14 lks. dist., marked $\frac{1}{4}$ S35 BT
	A pinon, 8 ins.dia., bears N. 5° W. 73 lks. dist., marked $\frac{1}{4}$ S26 BT
49.00	Gulch, 85 ft. below the $\frac{1}{4}$ sec.cor., drains N.; ascend abruptly.
55.00	Top of abrupt ascent, bears N. and S.; thence ascend gradually over steep N. slope of ridge.
81.00	Spur, 85 ft. above gulch, projects NE.;descend abruptly.
83.00	Gulch, 60 ft. below spur, drains N.; ascend abruptly.
83.86	The cor. secs.25, 26, 35, and 36, 30 ft.above guldh.
	Land, rough and mountainous, broken by outcroppings of sandstone.
	Soil, shallow red, sandy loam, mixed with loose sandstone; with sandstone subsoil.
	Drainage N. into Fremont River.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, dense cedar and pinon.
	Good grazing on all of mile.

	From the cor.of secs.26,27,34 and 35,
	N. 0° 01' W. on a resurvey line bet. secs.26 and 27,
	Descend gradually over rough mountainous land; through a medium growth of cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
4.70	Road from Grover, Ut., to Sidney Rymer's ranch, bears NE. and SW.
5.00	Irrigation ditch, 10 lks.wide, 2 ft. deep, drains NE.
7.00	Carcass Creek, stream of good clear water, 5 lks.wide, 3 ins.deep, in draw, 60 ft. below cor., drains N.20° E.; thence ascend over broken sandstone.

Chains.	
12.00	Spur, 50 ft. above creek, projects N.30° E. Descend gradually.
13.10	Gulch 30 ft. below spur, drains N. 30° E. Ascend abruptly.
38.45	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. Sec. 27 only, with brass cap mkd. ¼ S 27 | 1920
	Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
40.00	On steep SE. slope of spur, 210 ft. above gulch, find no trace of ¼ sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. Sec. 26 only, with brass cap mkd. | ¼ S26 1920
	Raise a mound of stone 2 ft. base, 1½ ft. high E. of cor.
	Land, rough and mountainous.
	Soil, shallow red sandy loam, mixed with loose sandstone.
	Drainage E. into Carcass Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, medium dense growth of cedar and pinon.
	Fair grazing on all of half-mile.

	From the cor. of secs. 26, 27, 34, and 35,
	West on retracement line between secs. 27 and 34,
38.76	Fall 63 lks. S. of the ¼ sec. cor., heretofore described.
	The bearing of this half-mile is therefore N. 89° 04' W. and the distance 38.77 chs.
	West on same line with continuous measurement.
77.81	Fall 177 lks. S. of the cor. of secs. 27, 28, 33 and 34 heretofore described.
	The bearing of this half-mile is therefore N. 88° 20' W. and the distance 39.07 chs.
	Thence from the cor. of secs. 26, 27, 34 and 35.
	N. 89° 04' W. on a resurvey line bet. secs. 27 and 34, setting cors. at intervals of 40.00 chs. for secs. to the

CHAINS	
	Descend gradually over mountainous land through medium dense growth of cedar and pinon timber and scattering undergrowth of shadscale and sage brush.
3.70	Carcass Creek, stream of good clear water, 5 lks. wide, 3 ins. deep, in draw, 45 ft. below cor., drains N. 15° E.; ascend gradually.
5.90	Road, bears N. 30° E. to Sidney Rymer's ranch and S. 30° W. to Grover.
9.70	Spur, 50 ft. above creek, projects N. 20° E.; descend gradually.
10.40	Draw, 35 ft. below spur, drains N. 10° E.; ascend gradual SE. slope of ridge.
21.60	Brush fence, bears N. and S.
36.80	Enter rolling top of mesa, bears N. 60° E. and S. 60° W., 200 ft. above draw.
38.77	On rolling top of mesa; the ¼ sec. cor., which is a limestone, 10 x 4 x 16 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, alongside of which.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 34, with brass cap marked.
	¼ S34 1920
	From which
	A pinon, 18 ins. dia., bears S. 52° E., 32 lks. dist., marked ¼ S34 BT.
	A pinon, 6 ins. dia., bears S. 75° W., 91 lks. dist., marked ¼ S34 BT.
	Thence
	N. 88°20' W., on same line with continuous measurement.
40.01	On level top of mesa; westing of 40.00 chs. from the cor. secs. 26, 27, 34 and 35.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 27, with brass cap marked.

CHAINS	
	$\frac{1}{4}$ S27
	1920
	From which
	A cedar, 12 ins. dia., bears N. 47° E., 31 lks. dist., marked $\frac{1}{4}$ S27 BT.
	A pinon, 12 ins. dia., bears N. 72° W., 16 lks. dist., marked $\frac{1}{4}$ S27 BT.
59.00	Red sandstone spur, 40 ft. high, projects S. 10° W.; descend gradually.
77.84	On gentle W. slope, 60 ft. below spur; the cor. secs. 33 and 34, which is a trachyte, 10 x 10 x 6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I efface marks on bearing trees that pertain to secs. 27 and 28, and reestablish cor. as follows.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 33 and 34, with brass cap marked.
	T29S R5E S27 S33 | S34 1920
	From which
	A pinon, 6 ins. dia., bears S. 74° E., 29 lks. dist., marked T29S R5E S34 BT.
	A pinon, 16 ins. dia., bears S. 47°30' W., 46 lks. dist., marked T29S R5E S33 BT.
	Land, rolling foot hills of Boulder Mountain.
	Soil; shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, S. into draw which drains E. into Carcass Creek.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, medium dense growth of cedar and pinon.
	Fair grazing on all of mile.

CHAINS	
	N. 89°51' W., on a retracement line along the N. bdy. sec. 33.
40.24	Find no trace of the ¼ sec. cor.
	Continue N. 89°51' W., on same line with continuous measurement.
79.93	Fall 121 lks. N. of the cor. secs. 28, 29, 32 and 33, hereinafter described.
	The bearing of this mile is therefore S. 89°17' W., and the distance 79.94 chs.
	Thence
	From the cor. secs. 33 and 34.
	S. 89°17' W., on a resurvey line along the N. bdy. sec. 33.
	Descend gradually over mountainous land through medium dense growth of cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
2.19	On gentle W. slope, 10 ft. below cor. secs. 33 and 34; westing of 40.00 chs. from the ¼ sec. cor. sec. 27.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 27 and 28, with brass cap marked.

T29S R5E
S28 | S27
S33

1920

From which

A pinon, 14 ins. dia., bears N. 10° E., 25 lks. dist., marked T29S R5E S27 BT.

A pinon, 8 ins. dia., bears N. 26° W., 40 lks. dist., marked T29S R5E S28 BT.

2.50	Draw, 10 ft. below cor., drains N.; ascend gradually.
12.30	Spur, 40 ft. above draw, projects N.; descend gradually.
32.10	Draw, 35 ft. below spur, drains N. 20° E.; ascend gradually.
39.97	At the base of a red sandstone spur, 70 ft. above draw; proportionate measurement.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 33, with brass cap marked.

CHAINS	
	$\frac{1}{4}$ S33
	1920
	From which
	A pinon, 6 ins. dia., bears S. 30° E., 50 lks. dist., marked $\frac{1}{4}$ S33. B T
	No other suitable bearing trees available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of co
41.00	Top of red sandstone spur, 35 ft. above the $\frac{1}{4}$ sec. cor., projects S.; descend abruptly.
42.19	At base of red sandstone ledge, 35 ft. below top of spur; westing of 40.00 chs. from cor. secs. 27 and 28.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 28, with brass cap marked.
	$\frac{1}{4}$ S28
	1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor
	No suitable bearing trees available.
47.00	Draw, 100 ft. below the $\frac{1}{4}$ sec. cor., drains S.; ascend gradually.
63.70	Spur, 70 ft. above draw, projects S.; descend gradually.
79.94	On gentle W. slope, 45 ft. below spur; the cor. secs. 28, 29, 32 and 33, which is a limestone, 14 x 4 x 10 ins. above ground, marked and witnessed as described by the surveyor general, alongside of which.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 28, 29, 32 and 33, with brass cap marked.

T29S	R5E
S29	S28
S32	S33

1920

From which

A pinon, 10 ins. dia., bears N. 59° E., 100 lks. dist., marked T29S R5E S28 BT.

A pinon, 10 ins. dia., bears S. 48° E., 90 lks. dist., marked T29S R5E S33 BT.

RESURVEY OF SUBDIVISION OF T. 29 S., R. 5 E.

Chains	
	A pinon, 8 ins.dia., bears S. 72° W. 38 lks.dist. marked T29S R5E S32 BT
	A pinon, 8 ins.dia., bears N. 40° W. 67 lks.dist. marked T29S R5E S29 BT
	Land, rolling foothills of Boulder Mountain.
	Soil, shallow red sandy loam about 6 ins.deep, with red sandstone subsoil.
	Drainage N. into the Fremont River on E. half-mile; SW. into Fish Creek on W. half-mile
	Undergrowth, scattering shadscale and sagebrush.
	Timber, medium dense growth of cedar and pinon.
	Fair grazing on all of mile.
	North, on a retracement line bet. secs.28 and 29,
39.83	Fall 80 lks.W.of the ¼ sec.cor., hereinafter described. The bearing of this half-mile is therefore N. 1° 09' E. and the distance 39.84 chs.
	Offset to the ¼ sec.cor., and continue north with continuous measurement.
79.83	Record course and distance. Find no trace of the cor.of Secs.20,21,28, and 29; left flag point.
	North on same line with continuous measurement.
120.03	Fall 50 lks.W.of the ¼ sec.cor. secs.20 and 21 hereinafter described.
	Return to the flag point left at 79.83 chs.point and erect it at a point midway between the ¼ sec.cor. secs.20 and 21 and the ¼ sec.cor. secs.28 and 29.
	From the ¼ sec.cor. secs.20 and 29, which is a limestone 10 x 10 x 5 ins. above ground, firmly set,marked and witnessed as described by the surveyor-general,
	East on a retracement line bet.secs.20 and 29,
40.20	Record course and distance; restore the cor. subsequently

RESURVEY OF SUBDIVISION OF T. 29 S., R. 5 E.

Chains	
	for secs.20 and 29, at this point, which is 38 lks.W. of temp. point left on N. and S. line, hereinafter described.
	The course and distance of the N.half-mile between Secs. 28 and 29 is therefore N. 0° 11' W. 40.10 chs.; the S.half-mile between Secs.20 and 21 is N. 0° 54' E. 40.10 chs.; and the E.half-mile between Secs.20 and 29 is E. 40.20 chs.
	Thence from the cor.of secs.28, 29, 32, and 33, N. 1° 09' E. on a resurvey line between secs.28 and 29, Ascend gradually over rolling mountainous land; through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
3.50	Spur, 20 ft. above the ¼ sec.cor., projects W.; descend gradually.
14.40	Draw, 30 ft. below spur, drains N. 20° E.; continue gradual descent.
22.00	Road, bears S. 10° W. to Grover and N. 10° E. to Torrey.
29.20	Road, bears SE. to Grover and N. 10° W. to Torrey.
36.00	Irrigation ditch 10 lks.wide, 2 ft.deep, drains N.30° E. From this point Henry Huntsman's house bears E. 5.00 chs.dist.
36.50	Road, bears SE. to Huntsman's house and NW.to Torrey.
37.74	Set an iron post 3 ft.long, 1 in.dia., 12 ins.in the ground, and 14 ins.in a mound of stone for ¼ sec.cor. sec.28 only with brass cap marked ¼ S 28 1920 from which A cedar, 8 ins.dia., bears S. 10° E. 18 lks.dist. marked ¼ S 28 B T A cedar 8 ins.dia., bears N.15° E. 19 lks.dist. marked ¼ S 28 B T
39.84	On E. bank of Fish Creek, 80 lks. below draw, the ¼ sec. cor., which is a limestone 10 x 10 x 12 ins.above

RESURVEY OF SUBDIVISION OF T. 29 S., R. 5 E.

Chains	
	ground, loosely set, marked and witnessed as described by the surveyor general, alongside of which
	Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor. Sec.29 only, with brass cap mkd. ¼ S 29 | 1920
	from which
	A pinon 10 ins.dia., bears N. 60° W. 166 lks. dist., marked ¼ S29 BT
	A pinon 8 ins.dia., bears N. 85° 15' W. 239 lks. dist., marked ¼ S29 BT
	Thence N. 0° 11'W. with continuous measurement,
40.10	Fish Creek, stream of good clear water, 8 lks.wide, 3 ins.deep, in gulch, 10 ft. below the ¼ sec.cor.,drains N.15° E.; ascend gradually.
40.50	Road, bears N. 15° E. to Torrey and S. 15° W.to Grover.
44.50	Irrigation ditch, 5 lks.wide, 2 ft.deep,drains N.30°W.
53.10	Same ditch, drains N. 30° E.
56.00	Spur, 45 ft.above Fish Creek,projects NE.;descend gradually.
62.00	Same ditch, drains N. 80° W
62.50	Two wire fence bears N. 80° E. and S.80° W.
64.40	Road, bears SE. to Grover and NW. to Torrey.
77.00	Enter cultivated land,bears NE. and SW. leave timber bears SE. and NW.
77.74	Point for closing cor.secs.21 and 28,hereinafter described.
79.94	In alfalfa field,45 ft.below spur, restore the cor. subsequently for secs.20 and 29, as follows:
	Set an iron post, 3 ft.long, 2 ins.dia., 24 ins.in the ground; for cor. secs.20 and 29,with brass cap mkd. T29S R5E S20 | S21 S29 | 1920
	Raise a mound of stone 2 ft.base,1½ ft.high W.of cor.
	No suitable bearing trees available.
	Land rolling foothills of Boulder Mountain.

RESURVEY OF SUBDIVISION OF T. 29 S., R. 5 E.

Chains. Soil, shallow, red, sandy loam about 6 ins.deep, with red sandstone subsoil. Drainage N.15° E. by Fish Creek
Undergrowth, scattering sagebrush and shadscale.
Timber, medium dense growth of cedar and pinon on S. 77.00 chs., none on remainder of mile.
Fair grazing on all of mile.

From the ¼ Sec. cor., subsequently for sec.20,

North on a retracement line along the E. bdy.of Sec.20,

39.58 Fall 166 lks.E.of the cor., subsequently for Secs.17 and 20, hereinafter described.

The bearing of this half-mile is therefore N. 2° 24' W. and the distance 39.61 chs.

Thence from the cor.of secs.20 and 29,

N. 0° 54' E. on a resurvey line along the E.bdy.Sec.20, setting corners for the secs.to the E., at intervals of 40.00 chs. from the point for the closing cor.of secs.21 and 28,

Descend gradually over cultivated land; through scattering undergrowth of sagebrush and shadscale.

7.30 Four-wire fence, bears E. and W. Enter scattering timber

13.10 Center of Fremont River, which is a stream of good,clear water, 60 lks.wide, 2 ft.deep, in channel, 50 ft.below the sec.cor., drains N. 82° E.;ascend gradually.

15.70 Pole fence bears NE. and SW.

16.80 Irrigation ditch, 6 lks.wide, 2 ft.deep,drains N.50° E.

22.40 Brush fence, bears E. and W. Leave cultivated land.

23.10 Low spur, 40 ft.above river,projects E.Desc.gradually.

26.40 Wash,30 lks.wide,3 ft.deep,in draw,35 ft.below spur, drains S.30° E.; ascend gradually.

29.50 The remains of an old rock fire place,bears E.3.00 chs.di

32.00 Ascent becomes abrupt, bears NW. and SE.

37.80 On steep SW.slope, 75 ft.above wash; northing of 40.00 chs. from point for closing cor.secs.21 and 28,

Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground, for ¼ sec.cor.sec.21,with brass cap mkd.

¼ S 21
1920

CHAINS	
	From which.
	A pinon, 8 ins. dia., bears S. 65° E., 29 lks. dist., marked ¼ S21 BT.
	No other suitable bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
40.10	On steep SW. slope, at base of red sandstone ledge, 4 ft. high, near top of spur; the ¼ sec. cor., which is a limestone, 18 x 14 x 8 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, alongside of which.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 20, with brass cap marked.
	¼ S20 | 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.
	Thence
	N. 2°24' W., with continuous measurement.
41.50	Top of sandstone spur, 75 ft. above the ¼ sec. cor. sec. 21, projects W.; descend abruptly.
46.20	Gulch, 65 ft. below the top of spur, drains SW.; ascend abruptly.
64.60	Top of spur, 240 ft. above gulch, projects SW.; thence descend gradually over rolling top of bench land.
77.83	On gentle N. slope, 45 ft. below spur; north 40.00 chs. from the ¼ sec. cor. sec. 21.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 16 and 21, with brass cap marked.
	T29S | R5E S16 S20 | S21 1920
	From which
	A pinon, 6 ins. dia., bears N. 60° E., 105 lks. dist., marked T29S R5E S16 BT.

CHAINS	
	A pinon, 8 ins. dia., bears S. 80° E., 61 lks. dist., marked T29S.R5E S21 BT.
79.71	The cor. secs. 17 and 20, which is a red sandstone 12 x 3 x 40 ins. above ground, firmly set, marked as described by the surveyor general but the bearing trees had been cut down; alongside of which.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 17 and 20, with brass cap marked.
	T29S R5E S17 | S16 S20 | 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.
	Land, broken bench land.
	Soil, shallow red sandy loam about 4 ins. deep with red sandstone subsoil.
	Drainage, N. 82° E., by the Fremont River.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, medium dense growth of cedar and pinon on N. 72.41 chs., none remainder of mile.
	Fair grazing on all of mile.
	N. 0°03' W., on a retracement line along the E. bdy. sec. 17
40.09	Fall 58 lks. W. of the ¼ sec. cor., subsequently for sec. 17, hereinafter described.
	The bearing of this half mile therefore is N. 0°47' E., and the dist., is 40.09 chs.
	Continue on same line with continuous measurement.
79.56	Fall 59 lks. W. of the cor., subsequently for secs. 8 and 17, hereinafter described.
	The bearing of this ½ mile is therefore N. 0°02' W., and the dist. is 39.47 chs.
	Thence
	From the cor. secs. 17 and 20.
	N. 0°47' E., on a resurvey line along the E. bdy. sec. 17.

CHAINS	
	Ascend gradually over broken bench land through medium dense growth of cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
4.20	Brush fence, bears NE. and SW.
5.40	Wood road, bears E. and W.
15.00	Top of divide bet. the Fremont River and Sulphur Creek, 20 ft. above cor., bears E. and W.; descend gradually.
38.12	On gentle N. slope, 60 ft. below divide; northing of 40.00 chs. from the cor. secs. 16 and 21.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 16, with brass cap marked.
	¼ S16 | 1920
	From which
	A pinon, 6 ins. dia., bears N. 43° E., 51 lks. dist., marked ¼ S16 BT.
	A pinon, 5 ins. dia., bears S. 21° E., 61 lks. dist., marked ¼ S16 BT.
40.09	On gentle N. slope, 16 ft. below the ¼ sec. cor. sec. 16, the ¼ sec. cor., which is a stationary red sandstone, 4 x 3 x 2 ft. above ground, marked as described by the surveyor general, but no trace of the bearing tree recorded could be found. I reestablish cor. as follows.
	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, alongside old cor., for ¼ sec. cor. sec. 17, with brass cap marked.
	¼ S17 | 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.
	Thence
	N. 0°02' W., with continuous measurement.
42.40	Gulch, 30 ft. below the ¼ sec. cor., drains NE.; ascend gradually.

CHAINS	
47.50	Spur, 45 ft. above gulch, projects NE.; descend gradually
56.00	One wire telephone line, bears E. to Fruita and W. to Tor
63.00	Gulch, 35 ft. below spur, drains N. 70° E.,; ascend gradually.
70.50	Spur, 40 ft. above gulch, projects NE.; descend abruptly.
78.12	On steep SW. slope, 65 ft. above gulch; northing of 40.00 chs. from the ¼ sec. cor. sec. 16.

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

T29S | R5E
S9
S17 | S16

1920

From which

A pinon, 5 ins. dia., bears N. 35° E., 9 lks. dist., marked T29S R5E S9 BT.

A pinon, 8 ins. dia., bears S. 5° E., 28 lks. dist., marked T29S R5E S16 BT.

79.56 On gentle N. slope, 25 ft. below the cor. secs. 9 and 16, on S. side of gulch near bottom, the cor. secs. 8 and 17, which is a sandstone, 3 x 10 x 24 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I efface marks on bearing tree to the E. and reestablish cor. as follows.

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

T29S | R5E
S8 | S9
S17

1920

From which

A pinon, 8 ins. dia., bears S. 45° W., 30 lks. dist,, marked T29S R5E S17 BT.

A pinon, 6 ins. dia., bears N. 62° W., 88 lks. dist., marked T29S R5E S8 BT.

CHAINS	
	Land, broken bench land.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, medium dense growth of cedar and pinon.
	Fair grazing on all of mile.
	N. 0°03' W., on a retracement line along the E. bdy. sec. 8.
40.00	Find no trace of the old ¼ sec. cor.; left flag point.
	Continue on same line with continuous measurement.
80.70	Fail 171 lks. W. of the cor. subsequently for secs. 5 and 8, hereinafter described. I return to the flag left at the 40.00 chs. point and erect it at a point midway bet. the cor. secs. 8 and 17 and the cor. secs. 5 and 8.
	The bearing of this mile is therefore N. 1°13' E., and the dist. of each ½ mile is 40.36 chs.
	Thence
	From the cor. secs. 8 and 17:
	N. 1°13' E., on a resurvey line along the E. bdy. sec. 8.
	Descend gradually over broken land through medium dense growth of cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
.50	Gulch, 5 ft. below cor., drains N. 80° E.; ascend gradually.
13.10	Spur, 40 ft. above gulch, projects NE.; descend abruptly.
25.30	Gulch, 115 ft. below spur, drains N. 70° E.; ascend abruptly.
28.10	Point of red sandstone spur, projects E., 70 ft. above gulch; descend abruptly.
32.00	Gulch, 90 ft. below spur, drains S. 82° E.; ascend abruptly.
32.90	Point of red sandstone spur, 130 ft. above gulch, projects NW.; from this point, the remains of a small ancient rock house built in a break of a perpendicular sandstone ledge, 150 ft. high; bears E., 3.00 chs. dist.; thence descend gradually.

CHAINS	
38.57	On gentle N. slope, 35 ft. below spur; northing of 40.00 chs. from the cor. secs. 9 and 16.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 9, with brass cap marked.
	¼ S9
	1920
	From which
	A pinon, 6 ins. dia., bears N. 72° E., 34 lks. dist., marked ¼ S9 BT.
	A pinon, 6 ins. dia., bears S. 33° E., 62 lks. dist., marked ¼ S9 BT.
40.36	On gentle N. slope, 10 ft. below the ¼ sec. cor. sec. 9; proportionate measurement.
	Set an iron post, 3 ft. long, 1 in. dia., 23 ins. in the ground, for ¼ sec. cor. sec. 8, with brass cap marked.
	¼ S8
	1920
	From which
	A pinon, 5 ins. dia., bears S. 54° W., 23 lks. dist., marked ¼ S8 BT.
	A pinon, 10 ins. dia., bears N. 72° W., 34 lks. dist., marked ¼ S8 BT.
	Thence over nearly level land.
59.50	Road, bears E. to Fruita and W. to Torrey.
68.50	Ridge, 40 ft. high, bears E. and W.; descend gradually.
78.58	On gentle N. slope, 50 ft. below top of ridge; northing of 40.00 chs. from the ¼ sec. cor. sec. 9.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 4 and 9, with brass cap marked.
	T29S R5E S4
	S8 S9
	1920
	From which
	A pinon, 10 ins. dia., bears N. 50° E., 143 lks. dist., marked T29S R5E S4 BT.

CHAINS

A pinon, 5 ins. dia., bears S. 70° E., 40 lks. dist., marked T29S R5E S9 BT.

80.72 On gentle N. slope, 15 ft. below the cor. secs. 4 and 9, the cor. secs. 5 and 8, which is a sandstone, 4 x 14 x 20 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. I efface the marks on the bearing trees to the east and reestablish cor. as follows.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, alongside old cor., for cor. secs. 5 and 8, with brass cap marked.

T29S R5E
S5 | S4
S8 |
1920

From which

A pinon, 6 ins. dia., bears S. 83° W., 44 lks. dist., marked T29S R5E S8 BT.

A pinon, 5 ins. dia., bears N. 17° W., 52 lks. dist., marked T29S R5E S5 BT.

Land, broken by deep gulches and outcroppings of sandstone.

Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.

Drainage, N. 70° E. into Sulphur Creek.

Undergrowth, scattering sagebrush and shadscale.

Timber, medium dense growth of cedar and pinon.

Fair grazing on all of mile.

N. 0°20' W., on a retracement line bet. secs. 4 and 5.

39.82 Fall 29 lks. E. of the ¼ sec. cor., subsequently for sec. 5, hereinafter described.

The bearing of this half mile is therefore N. 0°45' W., and the dist. is 39.82 chs.

Offset to the ¼ sec. cor. and continue N. 0°20' W., with continuous measurement.

79.20 Fall 56 lks.

CHAINS	
79.98	Intersect the N. bdy. of the township, 56 lks. E. of the cor. secs. 4, 5, 32 and 33, hereinafter described. The bearing of this half mile is therefore N. 1°08' W., and the dist. is 40.17 chs.
	Thence
	From the cor. secs. 5 and 8.
	N. 0°45' W., on a resurvey line along the E. bdy. sec. 5.
	Descend gradually over broken bench land through medium dense growth of cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
10.10	Gulch, 70 ft. below cor., drains E.; ascend abruptly.
12.30	Spur, 75 ft. above gulch, projects E.; descend gradually.
25.70	Three wire fence, bears E. and W.
27.90	Wash, 40 lks. wide, 6 ft. deep, in draw, 70 ft. below spur, drains N. 70° E.; ascend gradually.
37.86	On level land; northing of 40.00 chs. from the cor. secs. 4 and 9.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 4, with brass cap marked.
	¼ S4 | 1920
	From which
	A pinon, 10 ins. dia., bears S. 73° E., 175 lks. dist., marked ¼ S4 BT.
	No other bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, E. of cor.
38.60	The SW. cor. of a four-wire fence, bears N. 1° W. and S S. 89° E.
39.82	On level land, the ¼ sec. cor. which is a sandstone, 6 x 6 x 18 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, alongside of which.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., sec. 5, with brass cap marked.
	¼ S5 | 1920.
	Raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.

CHAINS	
	Thence N. 1° 08' W. with continuous measurement,
54.20	Spur, 45 ft. above wash, projects E.; descend gradually.
60.10	Draw, 20 ft. below spur, drains N. 80° E.; ascend gradually.
74.10	Spur, 30 ft. above draw, projects E.; descend gradually.
77.00	Stream of good water, 5 lks. wide, 3 ins. deep, in wash, 50 lks. wide, 10 ft. deep, 40 ft. below spur, drains SE.; ascend gradually.
79.99	On gentle S. slope, 35 ft. above wash, the cor. secs. 4, 5, 32 and 33 on the N. bdy. of the township, hereinafter described.
	Land, rolling hills, broken in places by outcropping of sandstone ledges.
	Soil, deep red sandy loam with red sandstone subsoil.
	Drainage, E. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, medium dense growth of cedar and pinon.
	Fair grazing on all of mile.

From the cor. T. 29 S., Rs. 5 and 6 E., heretofore described, which is at a point, 247.62 chs. E. of the cor. secs. 4, 5, 32 and 33, as recorded in notes pertaining to the survey of T. 29 S., R. 6 E.

West, on true line along the N. bdy. of the township, setting cors. at intervals of 40.00 chs. for T. 29 S., R. 5 E. only.

Ascend gradually over broken sandstone ledges through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.

3.80	Spur, 25 ft. above cor., projects S.; descend abruptly.
31.50	Gulch, 200 ft. below spur, drains S. 10° E.; ascend gradually.
40.00	On rolling top of spur, 50 ft. above gulch.

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

¼ S1

1920

CHAINS	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor
47.12	Wash, 40 lks. wide, 3 ft. deep, in draw, 40 ft. below spur, drains S. 10° W.; ascend gradually.
47.62	Find no trace of the ¼ sec. cor. originally set for secs. 2 and 35.
54.60	Spur, 25 ft. above the wash, projects S.; descend gradually
62.00	Wash, 40 lks. wide, 3 ft. deep, in draw, 80 ft. below spur, drains N. 60° E.; ascend gradually.
69.60	Spur, 50 ft. above wash, projects S.; descend gradually.
74.10	Same wash as the one at the 62.00 chs. point, 40 lks. wide, 3 ft. deep, in draw, drains S. 60° E.; ascend gradually.
80.00	On SW. bank of wash, 15 ft. above bottom.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 1 and 2, with brass cap marked.

T28S R5E
S35
T29S | R5E
S2 | S1
1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	No suitable bearing trees available.
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam mixed with blue clay with red sandstone subsoil.
	Drainage, S. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and red pine.
	Fair grazing on all of mile.
	West, along the N. bdy. sec. 2.
	Ascend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
7.62	The cor. originally for secs. 2, 3, 34 and 35, which I destroy, bears N. 26 lks. dist.
7.70	Spur, 75 ft. above cor. secs. 1 and 2, projects S.; descend gradually.

CHAINS	
18.80	Low pass in ridge, bears S. 80° E. and N. 80° W., 40 ft. below spur; ascend gradaully.
23.80	Spur, 35 ft. above pass, projects S. 10° E.; descend gradually.
40.00	On gentle SW. slope, 35 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. secs. 2, with brass cap marked.
	¼ S2 1920
	From which
	A pinon, 10 ins. dia., bears S. 15° E., 155 lks. dist., marked ¼ S2 BT.
	A pinon, 6 ins. dia., bears S. 74° W., 185 lks. dist., marked ¼ S2 BT.
47.50	Draw, 75 ft. below Spur, drains S. 80° E.; thence over rolling land.
47.62	The old ¼ sec. cor. originally for secs. 3 and 34, which I destroy, bears N., 26 lks. dist.
63.20	Spur, 40 ft. above draw, projects S.; descend gradually.
69.80	Draw, 40 ft. below spur, drains S. 70° E.; ascend gradually.
77.60	Ridge, 80 ft. above draw, bears SE. and NW.; descend gradually.
80.00	On rolling top of bench land, 20 ft. below ridge.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 2 and 3, with brass cap marked.
	T28S R5E S34 T29S | R5E S3 | S2 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	No suitable bearing trees available.
	Land, rolling bench land, broken in places by outcroppings of sandstone ledges.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.

CHAINS	
	Drainage, S. 70° E. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	West, along the N. bdy. sec. 3.
	Ascend gradually over rolling bench land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
7.81	The cor., originally for secs. 3, 4, 33 and 34, which I destroy, bears N. 21 lks. dist.
13.70	Begin abrupt ascent to higher bench, bears NW. and SE.
24.10	Spur, 120 ft. above the cor. secs. 2 and 3, projects N.; thence over rolling top of spur.
38.90	Begin abrupt descent over steep W. slope of spur, bears N. and S.
40.00	On steep W. slope of spur, 45 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 3, with brass cap marked.
	¼ S3
	1920
	From which
	A pinon, 6 ins. dia., bears S. 70° W., 79 lks. dist., marked ¼ S3 BT.
	No other suitable bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
46.70	Base of steep descent from spur, 75 ft. below the ¼ sec. cor., bears N. and S.; thence over rolling land.
47.76	The ¼ sec. cor., originally for secs. 4 and 33, which I destroy, bears N. 11 lks. dist.
53.90	Wash, 40 lks. wide, 4 ft. deep, which forms the channel of Sulphur Creek, drains S. 30° E.
71.50	Draw, same level as base of steep descent, drains S. 20° E.; ascend gradually.
80.00	On rolling top of bench land, 30 ft. above draw.

CHAINS

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 3 and 4, with brass cap marked.

T28S R5E	
S33	
T29S	R5E
S4	S3

1920

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

No suitable bearing trees available.

Land, rolling low hills.

Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.

Drainage, SE. into Sulphur Creek.

Undergrowth, scattering sagebrush and shadscale.

Timber, scattering cedar and pinon.

Fair grazing on all of mile.

West, along the N. bdy. sec. 4.

Descend gradually over rolling land, through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.

7.62 The cor. secs. 4, 5, 32 and 33, which is a limestone, 8 x 8 x 10 ins. above ground, firmly set, marked and witnessed as described by the surveyor general, alongside of which.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 4, 5, 32 and 33, with brass cap marked.

T28S	R5E
S32	S33
S5	S4
T29S	

1920

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

No suitable bearing trees available.

Land, low rolling hills.

Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.

Drainage, SW. into wash which drains SE. into Sulphur Creek

CHAINS

Undergrowth, scattering sagebrush and shadscale.

Timber, scattering cedar and pinon.

Fair grazing on all of fractional mile.

SUBDIVISION OF T. 29 S., R. 5 E.

From the ¼ sec. cor. secs. 25 and 26, heretofore described.

N. 0°01' W., bet. secs. 25 and 26.

Descend abruptly over rough mountainous land, through medium dense growth of cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.

11.70 Deep rocky gulch, 225 ft, below the ¼ sec. cor., drains N. 15° E.; ascend abruptly.

15.80 Top of E. point of white lime stone ledge, projects E.; 180 ft. above gulch; descend abrupt N. slope into Fremont River.

26.10 Fremont River, stream of good clear water, 40 lks. wide, 10 ins. deep, in canyon, 285 ft. below ledge, drains S. 60° E.; thence ascend abrupt S. breaks of river over sandstone ledges.

37.80 Base of perpendicular sandstone ledge, 50 ft. high, bears SE. and NW.

40.00 On top of sandstone ledge, 310 ft. above river.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 25 and 26, with brass cap marked.

T29S R5E
S24
S26 | S25
1920

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

No suitable bearing trees available.

Land, broken by breaks of Fremont River.

Soil, shallow red sandy loam mixed with loose sandstone.

Drainage, S. 60° E. by Fremont River.

Undergrowth, scattering sagebrush and shadscale.

Timber, medium dense growth of cedar and pinon.

Fair grazing on all of ½ mile.

SUBDIVISION OF T. 29 S., R. 5 E.

CHAINS.	
	East, along the N. bdy. sec.25, on sectional correction line.
	Ascend abruptly, over sandstone breaks, through scattering cedar and pinon timber, and scattering undergrowth of sagebrush and shadscale.
5.50	Base of perpendicular sandstone ledge, 50 ft. high, bears S. 80° E. and NW.
6.66	At top of sandstone ledge, 210 ft. above cor., the cor. of secs.24 and 25, heretofore described in notes that pertain to the survey of T. 29 S., R. 6 E.
	Land, broken by sandstone ledges.
	Soil, shallow red sandy loam, mixed with loose sandstone with red sandstone subsoil. Drainage S. into Fremont River.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of fractional mile.
	From the cor. of secs.25 and 26,
	West, along the S. bdy. sec.24 on a sectional correction line, setting cors. at intervals of 40.00 chs. W. from cor. of secs.24 and 25 for sections to the north.
	Descend abruptly over broken sandstone ledges; through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
7.10	Top of perpendicular sandstone ledge, which is 50 ft. high; bears SE. and NW. Descend.
20.00	Fremont River, stream of good clear water, 40 lks. wide, 10 ins. deep, in canyon, 500 ft. below cor. secs.25 and 26, drains S. 60° E.; ascend abruptly over broken sandstone ledges.
31.10	Point of spur, 560 ft. above river, projects SE.; descend abruptly.
33.34	On steep SW. slope, 65 ft. below point of spur; westing

CHAINS

of 40.00 chs. from the cor.of Secs.24 and 25.

Set an iron post, 3 ft.long, 1 in.dia., 26 ins.in the ground,for $\frac{1}{4}$ sec. cor. sec.24,with brass cap marked

$$\frac{\frac{1}{4}\ S\ 24}{1920}$$

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

No suitable bearing trees available.

43.87 On steep S. slope at foot of descent,60 ft.below $\frac{1}{4}$ sec. cor. sec.24 and 65 ft. above Carcass Creek; easting of 40.00 chs. from the closing cor.secs.26 and 27.

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

$$\frac{\frac{1}{4}\ S\ 26}{1920.}$$

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

No suitable bearing trees available. Ascend abruptly.

Note: Though this corner is marked for the quarter-section corner of Sec.26, it is not intended to function as such; but stands as the Witness quarter-section corner to the true point for the same 1.94 chs.east.

50.00 Top of abrupt ascent, 85 ft. above the $\frac{1}{4}$ sec.cor. sec. 26, bears NE. and SW.; thence over rolling bench land.

73.34 On rolling top of bench; westing of 40.00 chs. from the $\frac{1}{4}$ sec. cor. sec.24,

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

$$\frac{\begin{array}{c}T29S\ R5E\\ S23\ \uparrow\ S24\end{array}}{\begin{array}{c}S26\\ \uparrow\\ 1920\end{array}}$$

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

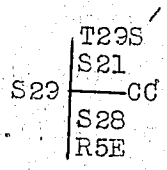
No suitable bearing trees available.
Land, rough and mountainous, broken by sandstone ledges.
Soil, shallow red sandsy loam, mixed with loose sandstone and trachyte boulders, with red sandstone subsoil. Drainage SE. by Fremont River.
Undergrowth, scattering sagebrush and shadscale.
Timber, scattering cedar and pinon.
Fair grazing on all of mile.

CHAINS	
	West, along the S. bdy. sec. 23.
	Over rolling top of bench through scattering growth of cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
10.53	Point for the closing cor. secs. 26 and 27, hereinafter described; thence from this point, set cors. at intervals of 40.00 chs. from the secs. to the S.
20.20	Leave rolling top of bench, bears NE. and SW.; thence descend abrupt NW. slope into the Fremont River.
40.00	At base of steep descent, 150 ft. below bench, on steep N. slope near bottom of Fremont River.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 23, with brass cap marked.
	¼ S23
	1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees available.
	Thence descend gradually.
50.53	On SE. bank of the Fremont River, 15 ft. below the ¼ sec. cor. sec. 23; westing of 40.00 chs. from the point for closing cor. secs. 26 and 27.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 27, with brass cap marked.
	¼ S27
	1920
	From which
	A pinon, 6 ins. dia., bears S. 80° E., 80 lks. dist., marked ¼ S27 BT.
	No other suitable bearing tree available.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
50;70	Fremont River, stream of good clear water, 40 lks. wide, 10 ins. deep, in canyon, 10 ft. below the ¼ sec. cor. sec. 27, drains N. 80° E.; ascend abruptly.
57.00	Point of red sandstone spur, 85 ft. above river, projects SE.; descend gradually.

CHAINS	
73.50	Gulch, 45 ft. below spur, drains S.; ascend gradually.
74.50	Spur, 30 ft. above gulch, projects S.; descend gradually.
78.50	Brush fence, bears N. and S.
80.00	On gentle S. slope, 40 ft. below spur, on the N. side of Fremont River.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 22 and 23, with brass cap marked.
	T29S R5E S22 | S23 S27 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor
	No suitable bearing trees available.
	Land, broken by breaks of the Fremont River.
	Soil, shallow red sandy loam mixed with loose sandstone with red sandstone subsoil.
	Drainage, N. 80° E. by Fremont River.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	West, along the S. bdy. sec. 22.
	Descend gradually over broken S. breaks of the Fremont River through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
7.50	Fremont River, stream of good clear water, 40 lks. wide 10 ins. deep, in canyon, 50 ft. below cor., drains S. 80° E.; ascend gradually.
10.53	Westing of 40.00 chs. from the ¼ sec. cor. sec. 27, on gentle N. slope, 40 ft. above river.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 27 and 28, with brass cap marked.
	T29S R5E S22 S28 | S27 1920

CHAINS	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
	No suitable bearing trees available.
40.00	On gentle N. slope, 40 ft. above cor. secs. 27 and 28.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 22, with brass cap marked.
	¼ S22
	1920
	From which
	A pinon, 10 ins. dia., bears N. 56° E., 51 lks. dist., marked ¼ S22 BT.
	A pinon, 10 ins. dia., bears N. 41° W., 71 lks. dist., marked ¼ S22 BT.
50.53	On gentle N. slope, 35 ft. above the ¼ sec. cor. sec. 22½ westing of 40.00 chs. from the cor. secs. 27 and 28.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. sec. 28, with brass cap marked.
	¼ S28
	1920
	From which
	A yellow pine, 10 ins. dia., bears S. 45° E., 8 lks. dist., marked ¼ S28 BT.
	A pinon, 8 ins. dia., bears S. 41° W., 67 lks. dist., marked ¼ S28 BT.
65.00	Low spur, 40 ft. above the ¼ sec. cor. sec. 28, projects NE.; descend gradually.
68.40	Fish Creek, stream of good clear water, 10 lks. wide, 3 ins. deep, in draw, 40 ft. below spur, drains N. 20° E.; ascend gradually.
80.00	On gentle N. slope, 75 ft. above Fish Creek.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 21 and 22, with brass cap marked.
	T29S | R5E S21 | S22
	S28
	1920

CHAINS	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees available.
	Land, rolling foot hills.
	Soil, shallow red sandy loam mixed with loose trachyte boulders with red sandstone subsoil.
	Drainage, S. 80° E. by Fremont River and N. 20° E. by Fish Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	West, along the S. bdy. of fractional sec. 21.
	Descend gradually over rolling land, through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
6.10	Three wire fence, bears NE. and SW.
6.30	Enter alfalfa field, bears NE. and SW.
7.73	Intersect the E. bdy. sec. 29, S. 0°11' E., 2.20 chs. dist. from the cor. secs. 20 and 29. At point of intersection.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. secs. 21 and 28, with brass cap marked.



1920

From which

A pinon, 10 ins. dia., bears S. 36° E., 22 lks. dist., marked CC T29S R5E S28 BT.

No other bearing trees available.

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

Land, rolling foot hills.

Soil, shallow red sandy loam with red sandstone subsoil.

Drainage, N. into the Fremont River.

CHAINS	
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of fractional mile.
	From the ¼ sec. corner section 26, heretofore described.
	N. 0°01' W., bet. secs. 26 and 27.
	Ascend abruptly over broken E. slope of bench through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
2.20	Enter level top of spur, 45 ft. above the ¼ sec. cor., bears NE. and SW.; thence over level top of spur.
11.20	Leave level top of spur, bears SE. and NW.; thence descend abruptly to lower bench.
20.30	Foot of abrupt descent from spur, 200 ft. below top, bears E. and W.; thence over level bench land.
38.45	On level bench land; intersect the S. bdy. sec. 23, 10.53 chs. W. of the cor. secs. 23 and 24. At point of intersection.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins in the ground, for closing cor. secs. 26 and 27, with brass cap marked.

T29S R5E
S23
S27 | S26
CC
1920

Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor.
No suitable bearing trees available.
Land, rolling foot hills of Boulder Mountain.
Soil, shallow red sandy loam mixed with trachyte boulders with red sandstone subsoil.
Drainage, E. into Carcass Creek.
Undergrowth, scattering sagebrush and shadscale.
Timber, scattering cedar and pinon.
Fair grazing on all of ½ mile.

CHAINS	
	From the cor. secs. 23 and 24.
	N. 0°01' W., bet. secs. 23 and 24.
	Over rolling bench land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shad scale.
14.30	Top of abrupt descent into Fremont River, bears E. and W.
19.50	Fremont River, stream of good clear water, 40 lks. wide, 10 ins. deep, in canyon, 250 ft. below cor., drains N. 80° E.; thence ascend abruptly over broken N. breaks of the Fremont River.
27.10	Top of abrupt ascent from river, 260 ft. above river, bears E. and W.; thence descend gradually over broken bench land.
40.00	On gentle N. slope, 50 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 brass cap marked.
	¼ S23 | S24 1920
	From which
	A pinon, 9 ins. dia., bears S. 82° E., 40 lks. dist., marked ¼ S24 BT.
	A pinon, 8 ins. dia., bears S. 10° W., 66 lks. dist., marked ¼ S23 BT.
40.60	Gulch, 10 ft. below the ¼ sec. cor., drains N. 80° E.; ascend gradually.
55.80	Ridge which forms the divide bet. the Fremont River and Sulphur Creek, 10 ft. above gulch, bears E. and W.; descend gradually.
80.00	On gentle N. slope, 50 ft. below ridge, on S. side of draw.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 13, 14, 23 and 24, with brass cap marked.

CHAINS	
	T29S R5E S14 | S13 S23 | S24 1920
	From which
	A pinon, 10 ins. dia., bears N. 33° E., 112 lks. dist., marked T. 29 S., R. 5 E. S13 BT.
	A pinon, 10 ins. dia., bears S. 69° 30' E., 208 lks. dist., marked T29S R5E S24 BT.
	A pinon, 8 ins. dia., bears S. 74° W., 97 lks. dist. marked T29S R5E S23 BT.
	A pinon, 14 ins. dia,, bears N. 40°30' W., 132 lks. dist., marked T29S R5E S14 BT.
	Land, rough and mountainous broken by breaks of Fremont River.
	Soil, shallow red sandy loam about 6 ins. deep with red sand soil subsoil .
	Drainage, N. 80° E. by the Fremont River on S. ½ mile, NE. into Sulphur Creek on N. ½ mile.
	Undergrowth, scattering shadscale and bunch grass.
	Timber, scattering cedar andpinon.
	Fair grazing on all of mile.
	East, on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect the E. bdy. of the township, 9 lks. N. of the cor. secs. 13 and 24, heretofore described.
	Thence
	N. 89°56' W., on true line bet. secs. 13 and 24.
	Descend abruptly over land broken by outcroppings of sandstone ledges through scattering cedar and pinon timber and scattering undergrowth of shadscale and sage brush.
3.10	Head of gulch, 100 ft. below cor., drains N.; ascend abruptly.

CHAINS	
18.70	Sandstone ridge, bears N. and S., 110 ft. above gulch; descend abruptly.
23.50	Gulch, 130 ft. below ridge, drains N. 20° E.; ascend abruptly.
30.00	Ridge, 140 ft. above gulch, bears N. and S.; descend abruptly.
38.70	Gulch, 125 ft. below ridge, drains N. 20° E;; ascend abruptly.
40.01	On steep E. slope, 20 ft. above gulch.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S13 / S24 / 1920
	From which
	A pinon, 8 ins. dia., bears N. 74° E., 12 lks. dist., marked ¼ S13 BT.
	A pinon, 8 ins. dia., bears S. 54° E., 80 lks. dist., marked ¼ S24 BT.
42.50	Spur, 40 ft. above the ¼ sec. cor., projects N.; descend gradually.
47.40	Gulch, 60 ft. below spur, drains N.; ascend gradually.
62.70	Spur, 50 ft. above gulch, projects N.; descend gradually.
80.02	The cor. secs. 13, 14, 23 and 24, 25 ft. below spur.
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam mixed with loose sandstone with sandstone subsoil.
	Drainage, N. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.

CHAINS	
	N. 0°01' W., bet. secs. 13 and 14.
	Descend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
1.00	Large draw, 10 ft. below cor., drains NE.; ascend gradually.
6.50	Spur, 60 ft. above draw, projects NE.; descend gradually.
17.00	Gulch, 80 ft. below spur, drains N. 60° E.; ascend gradually.
27.50	Spur, 70 ft. above gulch, projects N. 60° E.; descend gradually.
32.70	One wire telephone line, bears NE. to Fruita and SW. to Torrey, in bottom of draw, 40 ft. below spur, drains NE.; ascend gradually.
36.00	Low spur, 35 ft. above draw, projects NE.; descend gradually.
40.00	In bottom of draw, 45 ft. below spur, drains NE.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S14 | S13 1920
	From which
	A pinon, 8 ins. dia., bears N. 46° E., 36 lks. dist., marked ¼ S13 BT.
	A pinon, 10 ins. dia., bears N. 57°30' W., 22 lks. dist., marked ¼ S14 BT.
55.00	Spur, 55 ft. above the ¼ sec. cor., projects N. 70° E.; descend abruptly.
71.50	Head of canyon, 150 ft. below spur, drains N. 80° W.; ascend abruptly.
77.50	Ridge, 130 ft. above canyon, bears E. and W.
80.00	On steep N. slope of ridge, 75 ft. below top.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 11, 12, 13 and 14, with brass cap marked.

CHAINS	
	T29S R5E S11 S12 S14 S13 1920
	From which
	A pinon, 9 ins. dia., bears N. 70°15' E., 304 lks. dist., marked T29S R5E S12 BT.
	A pinon, 6 ins. dia., bears S. 22°45' E., 55 lks. dist., marked T29S R5E S13 BT.
	A pinon, 8 ins. dia., bears S. 30°15' W., 58 lks. dist., marked T29S R5E S14 BT.
	A pinon, 10 ins. dia., bears N. 27°30' W., 77 lks. dist.; marked T29S R5E S11 BT.
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam mixed with loose sandstone with sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	S. 89°56' E., on random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect the E. bdy. of the township, 7 lks. S. of the cor. secs. 12 and 13.
	Thence
	N. 89°59' W., on true line bet. secs. 12 and 13. Descend gradually over broken sandstone breaks.
18.00	E. rim of box canyon, 75 ft. below cor., bears SE. and NW.; thence descend abruptly over sandstone ledges into canyon.
26.30	Bottom of box canyon, 165 ft. below E. rim, drains NW.; thence ascend abruptly over sandstone breaks.
36.10	Spur, 75 ft. above canyon, projects N. 10° E.; descend gradually.
39.98	On gentle W. slope of spur, 35 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

CHAINS	
	818 / 813 / 1980
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees available.
59.10	Gulch, 65 ft. below the ¼ sec. cor., drains N.; ascend gradually.
72.60	Ridge, 45 ft. above gulch, bears NE. and SW.; descend abruptly.
79.36	The cor. secs. 11, 12, 13 and 14, 140 ft. below ridge.
	Land, broken by sandstone breaks.
	Soil; shallow red sandy loam, about 6 ins. deep with red sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 11 and 12.
	Descend abruptly over broken sandstone breaks through scattering cedar and pinon timber and scattering undergrowth of shadscale.
7.50	Deep gulch, 205 ft. below cor., drains N. 60° E.; ascend abruptly.
21.50	Sandstone ridge, 300 ft. above gulch, bears E. and W.; descend gradually.
23.40	Top of S. breaks of Sulphur Creek, 15 ft. below ridge, bears E. and W.; thence descend abruptly over sandstone ledges into Sulphur Creek.
33.40	Sulphur Creek, stream of alkali water, 5 lks. wide, 2 ins. deep, in box canyon, 310 ft. below top of S. breaks, drains N. 80° E.; thence ascend abruptly over sandstone ledges which form the N. breaks of Sulphur Creek.
37.50	Top of N. breaks of Sulphur Creek, 270 ft. above bottom, bears N. 80° E. and S. 70° W.; thence ascend gradually.

CHAINS	
40.00	On gentle S. slope, 40 ft. above breaks of Sulphur Creek. Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S11 | S12

1920

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

No suitable bearing trees available.

56.30	Ridge, 40 ft. above the ¼ sec. cor., bears E. and W.; descend abruptly.
74.00	Gulch, 300 ft. below ridge, drains S. 80° E.; ascend abruptly.
77.30	Spur, 150 ft. above gulch, projects E.; descend gradually.
80.00	On gentle NE. slope, 40 ft. below spur. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 1, 2, 11 and 12, with brass cap marked.

T29S R5E	
S2	S1
S11	S12

1920

From which

A pinon, 10 ins. dia., bears N. 62° E., 57 lks. dist., marked T29S R5E S1 BT.

A pinon, 7 ins. dia., bears S. 76° E., 213 lks. dist., marked T29S R5E S12 BT.

A pinon, 6 ins. dia., bears S. 24° W., 28 lks. dist., marked T29S R5E S11 BT.

A pinon, 8 ins. dia., bears N. 77° W., 115 lks. dist., marked T29S R5E S2 BT.

Land, broken by sandstone breaks and deep gulches.

Soil, shallow red sandy loam mixed with loose sandstone with red sandstone subsoil.

Drainage, SE. into Sulphur Creek.

Undergrowth, scattering sagebrush and shadscale.

Timber, scattering cedar and pinon.

Fair grazing on all of mile.

CHAINS	
	S. 89°59' E., on random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect the E. bdy. of the township, 26 lks. S. of the cor. secs. 1 and 12.
	Thence
	S. 89°50' W., on true line bet. secs. 1 and 12.
	Ascend gradually over broken sandstone breaks through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
4.70	Point of spur, 40 ft. above cor., projects S.; descend gradually.
9.60	Head of gulch, 50 ft. below spur, drains S. 10° E.; ascend gradually.
15.30	Point of spur, 50 ft. above gulch, projects S.; descend gradually.
24.60	Draw, 50 ft. below spur, drains S. 30° E.; ascend gradually.
37.60	Ridge, 45 ft. draw, bears N. 30° W. and S. 30° E.; descend abruptly.
32.95.	On steep W. slope, 40 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 brass cap marked.
	¼ S1 / S12
	1920
	From which
	A pinon, 6 ins. dia., bears S. 16° E., 173 lks. dist., marked ¼ S12 BT.
	A pinon, 6 ins. dia., bears N. 74° W., 275 lks. dist., marked ¼ S1 BT.
45.80	Gulch, 50 ft. below the ¼ sec. cor., drains SW.; ascend gradually.
47.70	Spur, 40 ft. above gulch, projects S. 20° W.; descend abruptly.
71.00.	Gulch, 200 ft. below spur, drains SE.; ascend abruptly.
79.90	The cor. secs. 1, 2, 11 and 12, 100 ft. above gulch.

CHAINS	
	Land, broken by sandstone breaks and deep gulches.
	Soil, shallow red sandy loam about 6 ins. deep mixed with loose sandstone with red sandstone subsoil.
	Drainage, SE. into Sulphur Creek.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	North, on random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.,
81.80	Intersect the N. bdy. of the township, 3 lks. W. of the cor. secs. 1 and 2.
	Thence
	S. 0°01' W., on true line bet. secs. 1 and 2.
	Ascend abruptly over broken sandstone ledges through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
4.50	Sandstone ridge, 60 ft. above cor., bears E. and W.; from this point, two large sandstone boulders, bear E., 7.00 chs. dist.; thence descend abruptly.
12.90	Road, bears E. to Fruita and W. to Torrey.
15.10	Gulch, 100 ft. below ridge, drains N. 80° E.; ascend gradually.
24.20	Spur, 50 ft. below gulch, projects E.; descend gradually.
28.80	Gulch, 60 ft. below spur, drains E.; ascend gradually.
38.10	Ridge, 70 ft. above gulch, bears E. and W.; descend gradually.
41.80	On gentle S. slope of ridge, 15 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S2 | S1 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.

CHAINS	
56.30	Gulch, 80 ft. below the ¼ sec. cor., drains S. 80° E.; ascend abruptly.
69.30	Ridge, 160 ft. above gulch, bears E. and W.; descend abruptly.
76.60	Gulch, 110 ft. below ridge, drains E.; ascend gradually.
81.80	The cor. secs. 1, 2, 11 and 12, 70 ft. above gulch.
	Land, broken by sandstone ledges and deep gulches.
	Soil, shallow red sandy loam mixed with loose sandstone with red sandstone subsoil.
	Drainage, SE. into Sulphur Creek.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	From the cor. secs. 27 and 28.
	N. 0°01' W., on random line bet. secs. 27 and 28.
40.00	Set temp. ¼ sec. cor.
76.65	Intersect the S. bdy. sec. 22, 2 lks. E. of the cor. secs. 27 and 28.
	Thence
	S. 0°02' E., on true line bet. secs. 27 and 28.
	Ascend abruptly over rough mountainous land through dense cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
24.50	Top of abrupt ascent, 510 ft. above cor., bears E. and W.; thence ascend gradually.
40.00	On gentle N. slope, 65 ft. above top of abrupt ascent.
	Set an iron post, 3 ft. long, 1.in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S28 | S27

1320

From which

A pinon, 8 ins. dia., bears N. 70° E., 37 lks. dist., marked ¼ S27 BT.

CHAINS	
	A pinon, 14 ins. dia., bears S. 41° W., 21 lks. dist., marked ¼ S28 BT.
45.40	Spur, 45 ft. above the ¼ sec. cor., projects E.; descend gradually.
55.60	Gulch, 50 ft. below spur, drains NE.; ascend gradually.
59.20	Spur, 40 ft. above gulch, projects W.; descend gradually.
63.40	Same gulch as that at the 55.60 chs. point, 40 ft. below spur, drains NW.; continue gradual descent.
66.60	Same gulch, 25 ft. below the 63.40 chs. point, drains N. 10° E., continue gradual descent.
76.65	The cor. secs. 27 and 28, 15 ft. below gulch.
	Land, broken by gulches and sandstone breaks.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, NE. into the Fremont River.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, dense cedar and pinon.
	Fair grazing on all of mile.
	From the cor. secs. 22 and 23.
	N. 0°01' W., bet. secs. 22 and 23.
	Ascend abruptly over sandstone ledges which form the N. breaks of the Fremont River through scattering growth of cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
8.70	Top of the N. breaks of the Fremont River, 330 ft. above river, bears E. and W.; descend gradually.
37.00	Gulch, 75 ft. below top of breaks, drains SW.; ascend gradually.
40.00	On gentle S. slope, 35 ft. above gulch.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

CHAINS	
	$\frac{1}{4}$ S22 | S23 1920
	From which
	A pinon, 8 ins. dia., bears S. 11° E., 110 lks. dist., marked $\frac{1}{4}$ S23 BT.
	A pinon, 9 ins. dia., bears S. 43° W., 59 lks. dist., marked $\frac{1}{4}$ S22 BT.
46.20	Spur, 25 ft. above the $\frac{1}{4}$ sec. cor., projects W.; descend gradually.
55.00	Draw, 60 ft. below spur, drains NW.; ascend gradually.
62.20	Point of red sandstone ledge, 40 ft. above draw, projects W.; descend gradually.
80.00	On gentle N. slope, 40 ft. below spur.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 14, 15, 22 and 23, with brass cap marked.
	T29S R5E S15 | S14 S22 | S23 1920
	From which
	A pinon, 8 ins. dia., bears N. 42°30' E., 33 lks. dist., marked T29S R5E S14 BT.
	A cedar, 7 ins. dia., bears S. 28° E., 36 lks. dist., marked T29S R5E S23 BT.
	A pinon, 6 ins. dia., bears S. 36°30' W., 42 lks. dist., marked T29S R5E S22 BT.
	A cedar, 8 ins. dia., bears N. 51° W., 32 lks. dist., marked T29S R5E S15 BT.
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, NW. into gulch which drains NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon. Fair grazing.

CHAINS	
	East, on random line bet. secs. 14 and 23.
36.26	Set temp. witness ¼ sec. cor.
40.00	Point falls on inaccessible sandstone ledges.
72.36	Intersect the N. and S. line, 2 lks. N. of the cor. secs. 13, 14, 23 and 24.
	Thence
	N. 89°59' W., on true line bet. secs. 14 and 23.
	Descend gradually over broken land through scattering undergrowth of shadscale and sagebrush.
1.00	Gulch, 10 ft. below cor., drains NE.; ascend gradually.
10.00	Ridge, 75 ft. above gulch, bears N. 80° E. and S. 80° W.; descend gradually.
23.10	Gulch, 50 ft. below ridge, drains NE.; ascend gradually.
38.00	Spur, 40 ft. above gulch, projects N.; descend abruptly over broken sandstone ledges.
39.98	Point for cor. falls on inaccessible sandstone ledges; no cor. set.
41.80	Head of rocky gulch, 65 ft. below spur, drains N.; ascend abruptly over sandstone ledges.
43.70	On top of sandstone spur, 60 ft. above gulch, projects N. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in a mound of stone, for witness cor. to the ¼ sec. cor. secs. 14 and 23, with brass cap marked.
	$\frac{S14}{S23}$ WC
	1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Thence descend abruptly over sandstone ledges.
49.00	Gulch, 210 ft. below spur, drains NE.; ascend abruptly.
55.50	Sandstone spur, 210 ft. above gulch, projects N.; descend abruptly.
57.10	Gulch, 120 ft. below spur, drains NE.; ascend abruptly.
61.40	Sandstone spur, 110 ft. above gulch, projects N.; descend gradually.
79.36	The cor. secs. 14, 15, 22 and 23, 60 ft. below spur.

CHAINS	
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam mixed with loose sandstone, about 6 ins. deep with red sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 14 and 15.
	Ascend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
9.50	Point of red sandstone ledge, 70 ft. above cor., projects W., 1.00 ch. dist.; descend gradually.
26.50	Gulch, 70 ft. below top of ledge, drains N. 60° E.; ascend abruptly.
32.00	Sandstone ridge, 130 ft. above gulch, bears E. and W.; descend gradually.
40.00	On gentle N. slope, 30 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 brass cap marked.
	S15 | S14 1920
	From which
	A pinon, 8 ins. dia., bears S. 25° E., 90 lks. dist., marked ¼ S14 BT.
	A pinon, 10 ins. dia., bears N. 63° W., 45 lks. dist., marked ¼ S15 BT.
44.60	Gulch, 30 ft. below the ¼ sec. cor., drains NE.; ascend gradually.
44.70	One-wire telephone line, bears E. to Fruita and W. to Torrey.
50.00	Spur, 50 ft. above gulch, projects NE.; descend abruptly.
67.00	Gulch, 200 ft. below spur, drains N. 80° E.; ascend abruptly.

CHAINS

71.70 Sandstone spur; 100 ft. above gulch, projects E.; descend abruptly.

78.20 Gulch, 110 ft. below spur, drains S. 80° E., ascend abruptly.

80.00 On steep S. slope, 50 ft. above gulch, at base of sandstone ledge, 30 ft. high, bears SE. and NW.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 10, 11, 14 and 15, with brass cap marked.

T29S R5E	
S10	S11
S15	S14

1920

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

No suitable bearing trees available.

Land, broken by sandstone ledges and deep gulches.

Soil, shallow red sandy loam mixed with loose sandstone, about 6 ins. deep with sandstone subsoil.

Drainage, NE. into Sulphur Creek.

Undergrowth, scattering shadscale and sagebrush.

Timber, scattering cedar and pinon.

Fair grazing on all of mile.

S. 89°59' E., on random line bet. secs. 11 and 14.

40.00 Set temp. ¼ sec. cor.

80.02 Intersect the N. and S. line, 3 lks. S. of the cor. secs. 11, 12, 13 and 14.

Thence

West, on true line bet. secs. 11 and 14.

Descend abruptly over broken land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.

13.80 Base of abrupt descent, 150 ft. below cor., bears NE. and SW.; thence descend gradually.

25.30 Large gulch, 60 ft. below base of abrupt descent, drains N. 60° E.; ascend abruptly.

CHAINS	
32.00	Spur, 70 ft. above gulch, projects S.; descend abruptly.
37.50	Same gulch as that at the 25.30 chs. point, 60 ft. below spur, drains S. 60° E.; ascend abruptly.
40.01	On top of spur, 50 ft. above gulch, projects S. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	$\frac{1}{4}\frac{S11}{S14}$
	1920
	From which
	A pinon, 8 ins. dia., bears S. 8° W., 12 lks. dist., marked ¼ S14 BT.
	A pinon, 8 ins. dia., bears N. 45° W., 63 lks. dist., marked ¼ S11 BT.
43.60	Same gulch as that at the 37.50 chs. point, 45 ft. below the ¼ sec. cor., drains NE.; ascend abruptly.
47.00	Top of sandstone breaks, 150 ft. above gulch, bears N. 80° E. and S. 80° W.; thence ascend gradually.
74.40	Ridge, 75 ft. above top of breaks, bears S. 80° E. and N. 80° W.; descend abruptly.
80.02	The cor. secs. 10, 11, 14 and 15, 65 ft. below ridge.
	Land, broken by sandstone ledges and deep gulches.
	Soil, shallow red sandy loam mixed with loose sandstone with red sandstone subsoil.
	Drainage, N. 80° E. into Sulphur Creek.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	N. 0°01' W., bet. secs. 10 and 11.
	Ascend abruptly over broken land, through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
2.30	Ridge, 40 ft. above cor., bears S. 80° E. and N. 80° W.; thence descend gradually.

Chains	
9.70	Gulch, 50 ft. below ridge, drains NE.; ascend gradually.
10.50	Spur, 50 ft. above gulch, projects N. 60° E.; descend gradually.
27.80	S. rim of deep gulch, 55 ft. below spur, bears N. 80° E. and S. 80° W.; descend abruptly.
31.70	Bottom of deep gulch, 170 ft. below top of S. rim, drains E.; ascend abruptly.
35.10	Top of abrupt ascent on N. side of gulch, 150 ft. above bottom, bears E. and W.; ascend gradually.
38.20	Spur, 30 ft. above top of abrupt ascent, projects E.; descend gradually.
40.00	On gentle N. 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 brass cap marked. ¼ S10 | S11 1920 From which A pinon, 11 ins. dia., bears S. 80° E., 213 lks. dist., marked ¼ S11 BT. A pinon, 10 ins. dia., bears S. 45° W., 100 lks. dist., marked ¼ S10 BT.
49.40	Gulch, 40 ft. below the ¼ sec. cor., drains NE.; ascend gradually.
52.20	Spur, 40 ft. above gulch, projects E.; descend abruptly.
56.10	Gulch, 100 ft. below spur, drains E.; ascend abruptly.
60.00	Spur, 110 ft. above gulch, projects E.; descend abruptly.
68.00	Sulphur Creek, stream of alkali water, 10 lks. wide, 2 ins. deep, in wash, 50 lks. wide, 5 ft. deep, 180 ft. below spur, drains E.; ascend abruptly.
75.00	Top of steep ascent from Sulphur Creek, 185 ft. above bottom, bears SE. and NW.; thence ascend gradually.
80.00	On gentle S. slope, 35 ft. above top of steep ascent. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 2, 3, 10 and 11, with brass cap marked.

CHAINS	
	T29S R5E S3 S2 S10 S11 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, E. by Sulpur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	East, on random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the N. and S. line, 5 lks. N. of the cor. secs. 1, 2, 11 and 12.
	Thence
	N. 89°56' W., on true line bet. secs. 2 and 11.
	Descend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
17.30	Gulch, 50 ft. below cor., drains N. 70° E.; ascend gradually.
25.00	Spur, 50 ft. above gulch, projects S.; descend gradually.
28.30	Same gulch as that at the 17.30 chs. point, 65 ft. below spur, drains SE.; ascend abruptly.
32.00	Enter rolling top of bench, 105 ft. above gulch, bears SW. and NW.; thence over rolling top of bench.
40.03	On rolling top of bench.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S2 S11 1920

CHAINS	
	From which
	A pinon, 9 ins. dia., bears N. 28°30' E., 45 lks. dist., marked ½ S2 BT.
	A pinon, 8 ins. dia., bears S. 56° E., 45 lks. dist., marked ½ S11 BT.
55.40	Leave rolling top of bench, bears N. and S.; thence descen abruptly.
71.60	Gulch, 200 ft. below top of bench, drains S.; ascend gradually.
75.60	Road, bears NE. to Fruita and SW. to Torrey.
79.00	Same road, bears SE. to Fruita and NW. to Torrey.
80.06	The cor. secs. 2, 3, 10 and 11, 60 ft. above gulch.
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, SE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	N. 0°01' E., on random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
81.90	Intersect the N. bdy. of the township, 3 lks. W. of the cor. secs. 2 and 3.
	Thence
	S. 0°02' W., on true line bet. secs. 2 and 3.
	Descend gradually over rolling land through scattering cedar and pinon timber and scattering undergrowth of sage brush and shadscale.
11.30	Wash, 40 lks. wide, 4 ft. deep, drains E.
41.30	On rolling land, 45 ft. below sec. cor., at foot of steep ascent.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

½

S3 | S2

1920

CHAINS	
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.
	Thence ascend abrupt NE. slope.
52.30	At top of abrupt ascent, enter rolling bench, 150 ft. above the ¼ sec. cor., bears SE. and NW.; thence over rolling top of bench.
76.70	Leave rolling top of bench, bears E. and W.; thence descend abruptly.
80.50	Road, bears SE. to Fruita and NW. to Torrey.
81.30	The cor. of secs. 2, 3, 10 and 11, 85 ft. below top of bench.
	Land, rolling hills and bench land.
	Soil, shallow red sandy loam mixed with loose sandstone and red clay with red sandstone subsoil.
	Drainage, E. into gulch which drains S. into Sulphur Creek.
	Undergrowth, scattering shadscale and sagebrush.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.

	From the cor. secs. 21 and 22.
	N. 0°02' W., bet. secs. 21 and 22.
	Descend gradually over rolling land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
7.30	Four-wire fence, bears E. and W.
12.80	Fremont River, 45 ft. below cor., stream of good clear water, 40 lks. wide, 10 ins. deep, drains S. 80° E.; ascend gradually.
24.30	Four wire fence, bears NW. and SE.
29.00	Ascent becomes abrupt, bears NW. and SE.
35.00	Top of abrupt ascent, 150 ft. above river, bears NW. and SE.; thence ascend gradually.
40.00	On top of spur, 15 ft. above top of abrupt ascent, projects NW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the

ground, for ¼ sec. cor., with brass cap marked.

S21 | S22

1920

From which

A pinon, 8 ins. dia., bears N. 73° E., 56 lks. dist., marked ¼ S22 BT.

A pinon, 8 ins. dia., bears S. 43° W., 69 lks. dist., marked ¼ S21 BT.

54.50 Gulch, 30 ft. below the ¼ sec. cor., drains S. 20° W.; ascend gradually.

63.00 Ridge, 80 ft. above gulch, bears N. 80° E. and S. 80° W.; descend gradually.

74.10 Gulch, 45 ft. below ridge, drains N. 10° W.; ascend gradually.

80.00 On gentle W. slope, 45 ft. above gulch.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 15, 16, 21 and 22, with brass cap marked.

T22S R5E S16	S15
S21	S22

1220

From which

A pinon, 8 ins. dia., bears N. 11°30' E., 35 lks. dist., marked T22S R5E S15 BT.

A pinon, 8 ins. dia., bears S. 3° E., 154 lks. dist., marked T22S R5E S22 BT.

A pinon, 8 ins. dia., bears S. 76° W., 180 lks. dist., marked T22S R5E S21 BT.

A pinon, 8 ins. dia., bears N. 65°30' W., 70 lks. dist., marked T22S R5E S16 BT.

Land, rough and mountainous.

Soil, shallow red sandy loam mixed with loose sandstone with red sandstone subsoil.

Drainage, S. 88° E. by the Fremont River.

CHAINS	
	Undergrowth, scattering shadscale and sagebrush.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	East, on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect the N. and S. line at the cor. secs.14, 15, 22 and 23.
	Thence
	West, on true line bet. secs. 15 and 22.
	Descend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
.50	Gulch, 10 ft. below cor., drains N. 10° E.; ascend gradually.
4.00	Spur, 40 ft. above gulch, projects N.; descend gradually.
13.60	Gulch, 40 ft. below spur, drains N. 30° E.; ascend gradually.
36.20	Spur, 40 ft. above gulch, projects N.; descend gradually.
40.05	On gentle W. slope, 40 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 brass cap marked.
	¼ S15 / S22
	1920
	From which
	A pinon, 10 ins. dia., bears S. 2° W., 79 lks. dist., marked ¼ S22 BT.
	A pinon, 11 ins. dia., bears N. 23° W., 54 lks. dist., marked ¼ S15 BT.
41.00	Gulch, 10 ft. below the ¼ sec. cor., drains NE.; ascend gradually.
48.50	Ridge, 50 ft. above gulch, bears NE. and SW.; descend gradually.
58.20	Gulch, 60 ft. below ridge, drains N. 10° E.; ascend gradually.

CHAINS	
76.20	Ridge, 70 ft. above gulch, bears N. and S.; descend Gradually.
80.10	The cor. secs. 15, 16, 21 and 22, 30 ft. below ridge.
	Land, broken by gulches and sandstone ledges.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale,
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	West, on random line bet. fractional secs. 16 and 21.
8.66	Intersect the E. bdy. sec. 20, at the cor. secs. 16 and 2
	Thence
	East on true line bet. fractional secs. 16 and 21.
	Ascend gradually over rolling land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
8.66	The cor. secs. 15, 16, 21 and 22, 15 ft. above cor. secs. 16 and 21.
	Land, rolling hills.
	Soil, shallow red sandy loam with redsandstone subsoil.
	Drainage, S. into the Fremont River.
	Undergrowth, scattering sagebrush and shadscale .
	Timber, scattering cedar and pinon.
	Fair grazinf on all of fractional mile.
	N. 0°02' W., bet. secs. 15 and 16.
	Ascend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
5.00	Wood road, bears SE. and NW.
12.50	Ridge which forms the divide bet. Sulphur Creek and the Fremont River, 40 ft. above cor., bears SE. and NW,; descend gradually.

CHAINS

34.80 Gulch, 75 ft. below ridge, drains N. 80° E.; ascend gradually.

40.00 On gentle SE. slope, 35 ft. above gulch.

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

¼

S16 | S15

1915

From which

A pinon, 6 ins. dia., bears S. 62° E., 71 lks. dist., marked ¼ S15 BT.

A pinon, 10 ins. dia., bears N. 47° W., 180 lks. dist., marked ¼ S16 BT.

45.00 Spur, 40 ft. above the ¼ sec. cor., projects NE.; descend gradually.

55.70 One wire telephone line, bears E. to Fruita and W. to Torrey.

65.00 Gulch, 60 ft. below spur, drains NE.; ascend gradually.

73.00 Spur, 45 ft. above gulch, projects NE.; descend abruptly.

80.00 On steep N. slope, near bottom of gulch, 100 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 9, 10, 15 and 16, with brass cap marked.

T29S R5E	
S9	S10
S16	S15

1920

From which

A cedar, 10 ins. dia., bears N. 51° E., 22 lks. dist., marked T29S R5E S10 BT.

A pinon, 6 ins. dia., bears S. 33° E., 87 lks. dist., marked T29S R5E S15 BT.

A pinon, 6 ins. dia., bears S. 81° W., 78 lks. dist., marked T29S R5E S16 BT.

A pinon, 6 ins. dia., bears N. 51° W., 202 lks. dist., marked T29S R5E S9 BT.

CHAINS	
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam about 6 ins. deep mixed with loose sandstone with red sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	East, on random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect the N. and S. line, 7 lks. S. of the cor. secs. 10, 11, 14 and 15.
	Thence
	S. 89°57' W., on true line bet. secs. 10 and 15.
	Ascend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
5.30	Ridge, 35 ft. above cor., bears N. 80° E. and S. 80° W.; descend gradually.
17.10	Gulch, 40 ft. below ridge, drains NE.; ascend gradually.
33.50	Low spur, 30 ft. above gulch, projects N. 10° E.; thence over rolling land.
40.05	On rolling land, 15 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S10 / S15 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees available.
72.70	Low spur, 20 ft. above the ¼ sec. cor., projects NW.; descend abruptly.
78.50	Gulch, 75 ft. below the ¼ sec. cor., drains S. 80° E.; ascend gradually.
80.10	The cor. secs. 9, 10, 15 and 16, 15 ft. above gulch.

CHAINS	
	Land, broken by deep gulches and sandstone ledges.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	West, on random line bet. secs. 9 and 16.
8.11	Intersect the E. bdy. of secs 17, at the cor. of fractional secs. 9 and 16.
	Thence
	East, on true line bet. fractional secs. 9 and 16.
	Descend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
8.11	The cor. secs. 9, 10, 15 and 16, 25 ft. below the cor. fractional secs. 9 and 16.
	Land, broken by sandstone breaks.
	Soil, shallow red sandy loam with red sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of fractional mile.
	N. 0°02' W., bet. secs. 9 and 10.
	Descend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of shadscale and sagebrush.
.50	Gulch, 10 ft. below cor., drains S. 80° E.; ascend abruptly over sandstone ledges.
2.00	Top of abrupt ascent, 75 ft. above gulch, bears E. and W.; thence descend gradually.
31.50	Gulch, 85 ft. below top of ascent, drains E.; ascend abruptly.
37.00	Top of abrupt ascent at top of sandstone rim, 150 ft. above gulch; bears E. and W.; descend abruptly.

CHAINS	
40.00	On steep N. slope, 50 ft. below top of abrupt ascent. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S9 | S10

1920

From which

A pinon, 5 ins. dia., bears N. 85° E., 10 lks. dist., marked ¼ S10 BT.

A pinon, 6 ins. dia., bears S. 25° W., 61 lks. dist., marked ¼ S9 BT.

45.00	Gulch, 120 ft. below the ¼ sec. cor., drains E.; ascend gradually.
53.00	Road, bears E. to Fruita and W. to Torrey.
68.00	Ridge, 75 ft. above gulch, bears E. and W.; descend gradually.
80.00	On gentle N. slope, 80 ft. below ridge. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. to secs. 3, 4, 9 and 10, with brass cap marked.

T29S S4	R5E S3
S9	S10

1920

From which

A pinon, 8 ins. dia., bears N. 76° E., 52 lks. dist., marked T29S R5E S3 BT.

A pinon, 8 ins. dia., bears S. 68° E., 76 lks. dist., marked T29S R5E S10 BT.

A pinon, 8 ins. dia., bears S. 66° W., 120 lks. dist., marked T29S R5E S9 BT.

A pinon, 6 ins. dia., bears N. 49° W., 145 lks. dist., marked T29S R5E S4 BT.

Land, broken by deep gulches and sandstone ledges.

Soil, shallow red sandy loam with red sandstone subsoil.

CHAINS	
	Drainage, E. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	N. 89°57' E., on random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.16	Intersects the N. and S. line, 5 lks. N. of the cor. secs. 2, 3, 10 and 11.
	Thence
	S. 89°59' W., on true line bet. secs. 3 and 10.
	Descend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
8.20	Chimney on a log cabin, bears N. 39°30' W., 15.00 chs. dist.
8.70	Sandstone ledge, 50 ft. high, bears N. and S.
12.60	Sulphur Creek, stream of alkali water, 10 lks. wide, 2 ins. deep, 130 ft. below cor., drains S. 60° E.; ascend gradually.
15.70	Two wire fence, bears N. and S.
40.08	On gentle E. slope, 110 ft. above creek.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	S3 ¼ S10 1920
	From which
	A pinon, 8 ins. dia., bears S. 63 W., 65 lks. dist., marked ¼ S10 BT.
	A pinon, 8 ins. dia., bears N. 20° W., 12 lks. dist., marked ¼ S3 BT.
43.00	Road, bears N. 60° E. to Fruita and S. 60° W. to Torrey.
52.50	Ridge, 50 ft. above the ¼ sec. cor., bears N. 60° E. and S. 60° W.

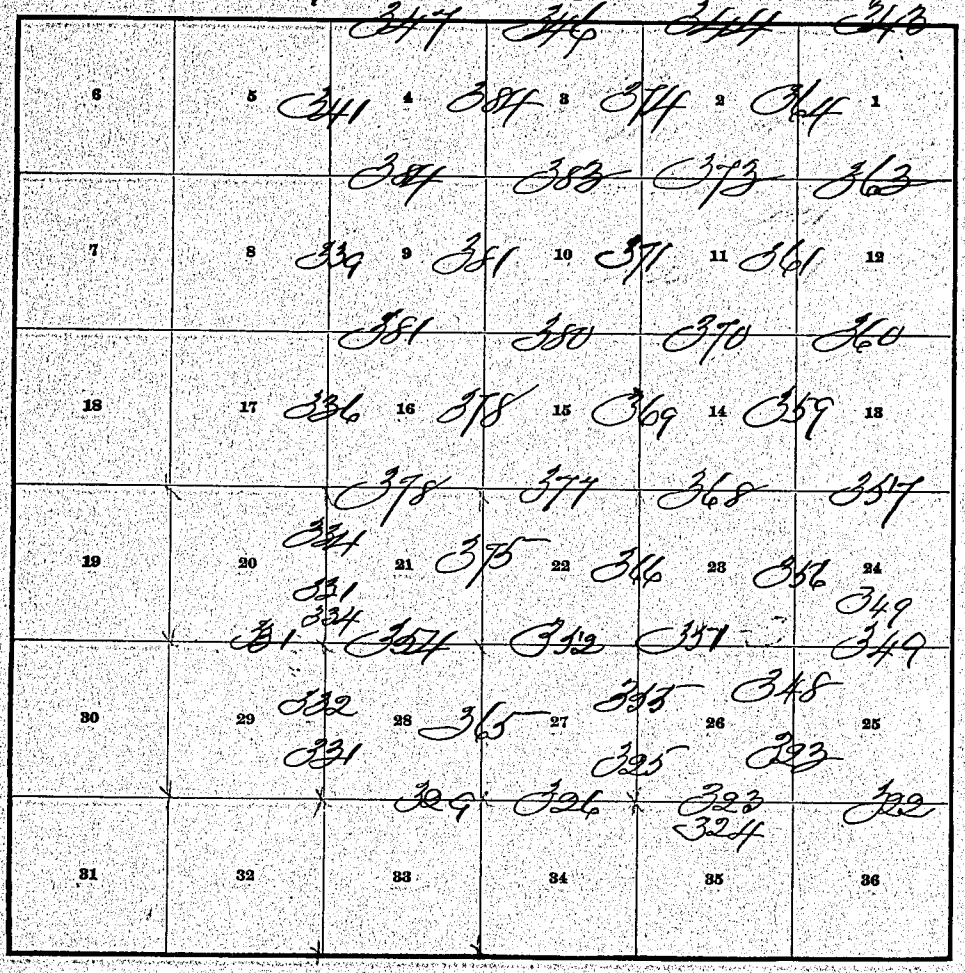
CHAINS	
57.20	Gulch, 40 ft. below ridge, drains NE.; ascend gradually.
60.16	The cor. secs. 3, 4, 9 and 10, 40 ft. above gulch.
	Land, broken by sandstone ledges and gulches.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, S. 60° E., by Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.
	West, on random line bet. secs. 4 and 9.
0.34	Intersect the E. bdy. of sec. 8, at the cor. of fractional secs. 4 and 9.
	Thence
	East, on true line bet. fractional secs. 4 and 9.
	Descend gradually over broken land through scattering cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
0.34	The cor. secs. 3, 4, 9 and 10, 25 ft. below the cor. of fractional secs. 4 and 9.
	Land, rough and mountainous.
	Soil, shallow red sandy loam about six ins. deep with red sandstone subsoil.
	Drainage, NE. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of fractional mile.
	N. 0°02' E., on random line bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect the N. bdy. of the township, 9 lks. E. of the cor. secs. 3 and 4.
	Thence
	E. 0°02' E., on true line bet. secs. 3 and 4.
	Descend gradually over broken land through scattering

BOOK A-451

4—679 b

INDEX DIAGRAM.

Township 29 South, Range 5 East



6—4817

CHAINS	
	cedar and pinon timber and scattering undergrowth of sagebrush and shadscale.
7.00	Stream of good clear water, 5 lks. wide, 3 ins. deep, in gulch, 30 ft. below cor., drains SE.; ascend gradually.
9.20	Spur, 40 ft. above stream, projects E.; descend gradually.
24.00	Gulch, 35 ft. below spur, drains E.; ascend gradually.
30.00	Spur, 30 ft. above gulch, projects E.; descend gradually.
42.18	On rolling land, 40 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼
	S4 | S3
	1920
	From which
	A pinon, 8 ins. dia., bears S. 33° E., 167 lks. dist., marked ¼ S3 BT.
	A pinon, 10 ins. dia., bears S. 3° W., 135 lks. dist., marked ¼ S4 BT.
56.70	Gulch, 15 ft. below the ¼ sec. cor., drains E.; ascend gradually.
71.50	Spur, 65 ft. above gulch, projects E.; descend gradually.
74.00	Gulch, 70 ft. below spur, drains E.; ascend gradually.
82.18	The cor. secs. 3, 4, 9 and 10, 75 ft. above gulch.
	Land, broken by deep gulches and sandstone breaks.
	Soil, shallow red sandy loam about 6 ins. deep with red sandstone subsoil.
	Drainage, E. into Sulphur Creek.
	Undergrowth, scattering sagebrush and shadscale.
	Timber, scattering cedar and pinon.
	Fair grazing on all of mile.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated	True bearings	Distances chs.	Latitudes N. chs.	Latitudes S. chs.	Departures E. chs.	Departures W. chs.
E.bdy.T29SR5E	South	381.63	.....	381.63	.....	.....
E.bdy. sec.25	S.18°32'W.	21.01	.....	19.92	.....	6.68
E.bdy. sec.35	N.88°56'W.	83.86	1.56	.....	.....	83.85
E. ¼ mile of N.bdy. sec.34	N.89°04'W.	38.77	.63	.....	.....	38.76
E. ½ mile of N.bdy. sec.34	N.88°20'W.	39.07	1.14	.....	.....	39.05
N.bdy. sec.33	S.89°17'W.	79.94	.....	1.00	.....	79.93
S. ¼ mile of E.bdy. sec.29	N.1°09'E.	39.84	39.83	.....	.80	.....
N. ¼ mile of E.bdy. sec.29	N.0°11'W.	40.10	40.10	.....	.....	.15
S. ½ mile of E.bdy. sec.20	N.0°54'E.	40.10	40.10	.....	.63	.....
N. ½ mile of E.bdy. sec.20	N.2°24'W.	39.61	39.58	.....	.....	1.66
S. ¼ mile of E.bdy. sec.17	N.0°47'E.	40.09	40.09	.....	.55	.....
N. ¼ mile of E.bdy. sec.17	N.0°02'W.	39.47	39.47	.....	.....	.02
E.bdy. sec. 8	N.1°13'E.	80.72	80.70	.....	1.71	.....
S. ¼ mile of E.bdy. sec. 5	N.0°45'W.	39.82	39.82	.....	.....	.58
N. ¼ mile of E.bdy. sec. 5	N.1°08'W.	40.17	40.16	.....	.....	.79
E.bdy.T29SR5E	East	247.62	.....	.....	247.62	.....
Convergency					.26	
			403.18	402.55	251.52	251.39
			402.55		251.39	
Errors in lat. and dept.			.63		.18	

.57

GENERAL DESCRIPTION OF T. 29 S., R. 5 E.

The land embraced in this fractional township, consists of rolling bench land broken by sandstone ledges, the breaks of the Fremont River and deep gulches which drain into Sulphur Creek. These gulches are from 15 ft. to 100 ft. in depth and in most places are inaccessible.

The soil is a shallow red sandy loam mixed with loose sandstone and is about six inches deep with a red sandstone subsoil.

The entire township has a scattering growth of cedar and piñon timber and a scattering undergrowth of shadscale and sagebrush.

GENERAL DESCRIPTION OF T. 29 S., R. 5 E.

Parts of secs. 21, 22, 26 and 28 were being farmed by irrigation, the water being taken from Carcass and Fish Creeks. Alfalfa and grain were the principal crops being raised.

The township has a good supply of water, the largest of which is the Fremont River. This river is a stream of good clear water about 40 lks. wide and 12 ins. deep, which flows easterly through secs. 21, 22, 23, 24, 25, 26 and 27. The other water supplies are Sulphur, Carcass and Fish Creeks which are small streams about 10 lks. and 3 ins. deep.

The improvements on the township are three-room frame house and stack yard in the SW. ¼ of sec. 26, a three-room log cabin and stack yard in the SW. ¼ of sec. 28 and a one-room log cabin in the SE. ¼ of sec. 3. No settlers were on the township at the time of the survey.

No indications of mineral were found on the township.

The magnetic declination was not taken on account of a defective needle.

The water locations in the township are as follows.

Fremont River; S. ½ of sec. 21, S. ½ of the S. ½ of sec. 22, N. ½ of the N. ½ of sec. 27, S. ½ of the SE. ¼ of sec. 23, S. ½ of the S. ½ of sec. 24, NE. ¼ of the NE. ¼ of sec. 26 and N. ½ of sec. 25.

Carcass Creek: W. and N. ½ of sec. 26 and the SE. ¼ of the SE. ¼ of sec. 27.

Fish Creek: NE. ¼ of the NE. ¼ of sec. 28 and the SW. ¼ of the SW. ¼ of sec. 22.

Small stream: N. ½ of the NW. ¼ of sec. 3.

Sulphur Creek: N. and E. ½ of sec. 3, NE. ¼ of the NE. ¼ of sec. 10, N. and E. ½ of sec. 11 and the S. and E. ½ of sec. 12.

U.S. Transitman.

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Page

BOOK A-451

1—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Verdin John	1st chainman.
Amos Dallin	2nd chainman.
Carter Dutton	Flagman.
Othell Bird	Cornerman.
Bertrum Dallin	Axeman.

6—2764

TRANSITMAN.

CERTIFICATE OF UNITED STATES ~~SURVEYOR.~~

I, Elliot Bird, U. S. ~~Surveyor~~ Transitman, hereby certify upon honor that, in pursuan of special instructions received from the U. S. Surveyor General for Utah bearing date of the 16th day of January, 1919, I have well, faithfully, and trul 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 north boundar and subdivision of T. 29 S., R. 5 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented i the foregoing field notes and date diagram as having been executed by me, and under my direction 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.

Salt Lake City, Utah,
March 8, 1921.

Elliot Bird
~~U. S. Surveyor~~
Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Oct. 27, 1921

The foregoing field notes of the survey of a portion of the north boundary and a portion of the subdivisional lines; and the resurvey of a portion of the subdivisional lines of Township No. 29 South, Range No. 5 East of the Salt Lake Base and Meridian, Utah,

executed by Elliot Bird

under his special instructions dated November 5, 1920, having been critically examined, and the necessary corrections and explanations made, the said field ~~notes, and~~ and resurveys the surveys they describe, are hereby approved.

E. T. Dawson
U. S. Surveyor General.

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

_____
U. S. Surveyor General.

6—2754

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4—679

BOOK A-451

C.

U.S. Surveyor General's Office
MAR 1 - 1921
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE RE SURVEY OF ~~THE~~

A PORTION OF THE EAST BOUNDARY, AND A PORTION OF THE SUBDIVISION

AND THE SURVEY OF

A PORTION OF THE SUBDIVISION OF

T. 6 S., R. 21 E.,

Of the Salt Lake Base and *Meridian,*

in the State of Utah

EXECUTED BY

Ralph Gentry

in the capacity of U. S. ~~Surveyor~~ Cadastral Engineer, *under Special Instructions dated* May 20, 1920, ~~191~~ ,

issued by the United States Surveyor General to govern surveys included in Group No. 81, *which were approved by the Commissioner of the General Land Office,* June 4, 1920, ~~191~~ -, *and Assignment Instructions dated* May 20, 1920, ~~191~~

Survey commenced August 19, 1920. , ~~191~~

Survey completed August 25, 1920. , ~~191~~

6—151

BOOK A-451

INDEX DIAGRAM.

Township 6 South, *Range* 21 East.

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

BOOK A-451

4—679 b

INDEX DIAGRAM.

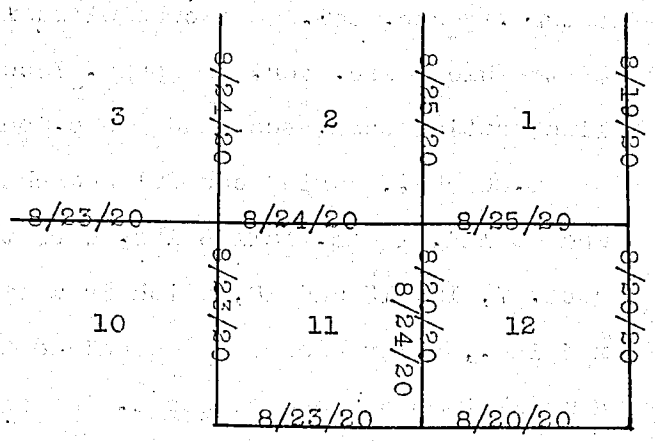
Township 6 South, Range 21 East

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

403 400 405 396 397 ~~400 400.402 404~~ 401 400 399 396 398 398

6—4817

DATE DIAGRAM OF T.6 S.,R.21 E



DESCRIPTION AND TEST OF INSTRUMENT, T. 6 S., R. 21 E.

Survey commenced August 19, 1920, and was executed in connection with T. 5 S., R. 21 E., with a Buff & Buff transit No 8028, for full description and test of which see the notes of T. 5 S., R. 21 E.

RESURVEY OF THE EAST BOUNDARY OF T. 6 S., R. 21 E.

Commence at the old closing cor. of T. 6 S., Rs. 21 and 22 E., located E. 8.65 chs. dist., from the stan. cor. of T. 5 S., Rs. 21 and 22 E., and which is a sandstone, 16 x 12 x 8 ins., set in an old mound of stone, marked as described by the surveyor general. I remonument this cor. as follows:-

Set an iron post, 3 ft. long, 3 ins. diam., 8 ins. in the ground to solid rock, along side of old stone, and 16 ins in a mound of stone, for the closing cor. of T. 6 S., Rs. 21 and 22 E., with brass cap marked

T5S R22E
S 31
S 1 | S 6
R21E | R22E
T6S
CC
1920

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

Thence

Chains	
	South bet. secs. 1 and 6 on retracement line.
24.06	Set temp. ¼ sec. cor. Make careful search and no trace of the old ¼ sec. cor. is found. I continue on same line setting temp. sec. and ¼ sec. cors. at intervals of 40.00 chs., making careful search for the old cors., and at 144.31 chs. fall 8 lks. W of the old cor. of secs. 7, 12, 13 and 18, which is a sandstone, 15 x 10 x 4 ins., dimly marked as described by the surveyor general in old mound of stone. The cor. was nearly covered. I remonument this cor. as follows:-
	Along side of old stone, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor of secs. 7, 12, 13 and 18, with brass cap marked

T 6 S
R21E | R22E
S12 | S 7
S13 | S18

1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of this line is therefore N.0° 02'W., and the proportionate dist. of the mile bet. secs. 7 and 12 is 80.14 chs., and the proportionate dist. of the mile bet. secs. 1 and 6 is 64.17 chs.
	From the cor. of secs. 7, 12, 13 and 18.
	N.0° 02'W. on resurvey line bet. secs. 7 and 12.
	Ascend gradually over rolling bench land, through a medium undergrowth of sagebrush and shadscale.
7.50	Old road, brs. N.60°E., and S.60°W.
40.07	On low ridge, 40 ft. above sec. cor., brs. NW. and SE.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for re-established ¼ sec. cor., with brass cap marked

¼
S12 | S 7

1920

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

Chains	
	Descend into ravine.
48.00	Ravine, 35 ft. below ridge, course SE. from the N., thence along ravine.
60.00	Ascend from ravine, drains from the NW.
68.00	Spur, 90 ft. above ravine, slopes SE.; descend.
80.14	Proportionate dist., on rolling slope, 25 ft. below top of ascent.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for re-established cor. of secs. 6 and 7, with brass cap marked
	T6S S 6 S 7 R22E 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
	Land, rolling and broken hills. Drainage SE.
	Soil, sandy and clay loam and loose rocks, on hard rocky clay subsoil.
	Medium growth of sagebrush and shadscale. No timber.
	N.0° 02'W., along W. bdy. of sec. 6 on resurvey line.
	Descend over rolling hills, through a medium undergrowth of sagebrush and shadscale.
1.00	Head of ravine, 10 ft. below sec. cor., course E.; asc.
2.00	Point of spur, 10 ft. above ravine, slopes E.; descend.
2.07	Point for the cor. of secs. 1 and 12, hereinafter described.
6.00	Wash, 30 lks. wide, 3 ft. deep, 40 ft. below spur, course SE.; ascend gradually over land cut by small washes.
32.00	Wash, 10 lks. wide, 2 ft. deep, course SE.; ascend.
35.65	Spur, 70 ft. above wash, slopes SE.; descend.
40.07	Proportionate dist.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for re-established ¼ sec. cor. on W. bdy. of sec. 6, with brass cap marked

572

Chains	
	$\frac{1}{4}$ | S 6 | 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high E. of cor.
41.25	Head of ravine, 40 ft. below spur, course SE.; ascend.
42.07	Point 40.00 chs. northing from the point for cor. of secs. 1 and 12.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor. on E. bdy. of sec. 1, with brass cap marked
	$\frac{1}{4}$ | S 1 | 1920
	Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor.
46.00	Spur, 20 ft. above ravine, slopes SE.; descend.
48.10	Head of ravine, 20 ft. below spur, course SE.; ascend.
50.00	Top of ascent, 25 ft. above ravine, on point of spur, slopes E.; descend.
60.50	Ravine, 30 ft. below point of spur, course S.60°E.; asc.
64.17	The closing cor. of T. 6 S., Rs. 21 and 22 E.
	Land, rolling and broken hills, drainage SE.
	Soil, shallow sandy loam and loose rocks.
	Medium undergrowth of sagebrush and shadscale.
	No timber.

RESURVEY OF SUBDIVISION OF T. 6 S., R. 21 E.

	From the cor. of secs. 7, 12, 13 and 18 on E. bdy. of Tp. N.89° 42'W. bet. secs. 12 and 13 on retracement line.
40.15	Set temp. $\frac{1}{4}$ sec. cor. No trace of old cor. found after careful search.
78.90	Fall 146 lks. S. of the old cor. of secs. 11, 12, 13 and 14 which is a sandstone, 18 x 14 x 10 ins. marked as described by the surveyor general and unwitnessed. The marks on stone are nearly eroded and are very dim. I

Chains	
	remonument this cor. as follows:-
	Along side of stone, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 11, 12, 13 and 14 with brass cap marked
	T6S | R21E S11 | S12 S14 | S13 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of this mile is therefore N.88° 39'W., and the dist. is 78.92 chs.
	From the cor. of secs. 11, 12, 13 and 14.
	S.88° 39'E., bet. secs. 12 and 13 on resurvey line.
	Over rolling land, through a medium undergrowth of sagebrush, greasewood and shadscale.
39.46	Proportionate dist.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for re-established ¼ sec. cor., with brass cap marked
	¼ S 12 / S 13 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
39.50	Wash, 15 lks. wide, 3 ft. deep, course S.15°W.
62.75	Old road, brs. N.20°E., and S.20°W.
69.40	Wash, 20 lks. wide, 2 ft. deep, course S.
78.92	The cor. of secs. 7, 12, 13 and 18.
	Land, rolling.
	Soil, clay and loose rocks.
	Undergrowth, sagebrush, greasewood and shadscale.
	No timber.
	From the cor. of secs. 11, 12, 13 and 14.
	North, bet. secs. 11 and 12 on retracement line.

Chains	
40.00	Set temp. ¼ sec. cor. No trace of the old cor. was found.
80.00	Set temp. cor. of secs. 1, 2, 11 and 12. No trace of the old sec. cor. was found.
	From the cor. of secs. 10,11, 14 and 15 which is a sandstone, 20 x 12 x 6 ins., marked and witnessed as described by the surveyor general.
	North bet. secs. 10 and 11 on retracement line.
40.00	After careful search no trace of old cor. found.
80.00	Set temp. cor. of secs. 2, 3, 10 and 11. No trace of old sec. cor. found.
	From temp. cor. of secs. 2, 3, 10 and 11.
	East bet. secs. 2 and 11 on retracement line.
40.20	Set temp. ¼ sec. cor. No trace of old ¼ sec. cor. found.
77.85	Fall 6 lks. N. of temp. cor. of secs. 1, 2, 11 and 12.
	From temp. cor. of secs. 2, 3, 10 and 11
	West bet. secs. 3 and 10 on retracement line.
40.14	No trace of old ¼ sec. cor. found after careful search.
85.13	Fall 29 lks. S. of the cor. of secs. 3, 4, 9 and 10, which is a sandstone, 30 x 16 x 8 ins., set in old mound of stone, and marked as described by the surveyor general.
	From the temp. cor. of secs. 2, 3, 10 and 11.
	North bet. secs. 2 and 3 on retracement line.
40.00	Set temp. ¼ sec. cor. No trace of old ¼ sec. cor. found.
61.19	Fall 13 lks. E. of the re-esta W C to closing cor. of secs. 2 and 3, described in the notes of T. 5 S., R. 21 E.
	Re-establishing the cor. of secs. 2, 3, 10 and 11 at proportionate dist. bet. the cor. of secs. 10, 11, 14

Chains	
	and 15 and the closing cor. bet. secs. 2 and 3, and at record dist. from the cor. of secs. 3, 4, 9 and 10, the course of the line bet. secs. 2 and 3 is S.4° 17'W., and the dist. is 63.53 chs.
	Restoring the cor. of secs. 1, 2, 11 and 12 at record dist. from the cor. of secs. 11, 12, 13 and 14, and at record dist. from the cor. of secs. 2, 3, 10 and 11, the course of the line bet. secs. 11 and 12 is N.1° 39'W., 80.04 chs.; the course of the line bet. secs. 2 and 11 is N.89°11'E. 83.41 chs.

	From the cor. of secs. 11, 12, 13 and 14.
	N.1° 39'W., bet. secs. 11 and 12 on resurvey line.
	Over rolling land, through a medium undergrowth of sage-brush and shadscale.
15.00	Foot of rolling hills, brs. NW. and SW.; ascend.
21.50	Point of spur, 125 ft. above foot, slopes S.; thence ascend gradually along E. side of spur.
34.00	Head of ravine, course S.5°E.; ascend along W. slope of 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 marked S11 | S12 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
55.00	Spur, 100 ft. above ravine, projects SE.; descend.
68.40	Ravine, 30 ft. below spur, course SE.; ascend.
80.04	On ridge, 85 ft. above ravine, brs. NW. and SE.
	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 marked T6S | R21E S 2 | S 1 S11 | S12 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.

Chains	
	Land, rolling bench on S. 15.00 chs., and rolling hills on N. 65.00 chs.
	Soil, hard, stiff clay on S. 15.00 chs., and hard rocky clay on N. 65.00 chs.
	Medium growth of sagebrush and shadscale.
	No timber.
	S.89° 11'W., bet. secs. 2 and 11 on resurvey line.
	Descend over rolling hills, through a medium growth of sagebrush.
5.00	Ravine, 30 ft. below sec. cor., course S.; ascend.
9.00	Spur, 30 ft. above ravine, projects S.; descend.
21.50	Ravine, 125 ft. below spur, course S.; ascend.
40.20½	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S 2 / S 11 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
42.00	Spur, 40 ft. above ravine, projects S.; descend.
52.00	Ravine, 125 ft. below spur, course S.; ascend.
78.00	Spur, 130 ft. above ravine, slopes N.; descend.
80.41	On rough slope, 60 ft. below top.
	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 marked T6S R21E S 3 | S 2 S 10 | S11 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling hills. Drainage S.
	Soil, hard, dry rocky clay.
	Medium growth of sagebrush.
	No timber.

SUBDIVISION OF T. 6 S., R. 21 E.

Chains.	
	N. 4° 17' E. bet. secs.2 and 3 on resurvey line,
	Descend over rolling hills; through a medium under-growth of sagebrush.
11.50	Ravine, 40 ft. below sec.cor., course W.; ascend along broken slope.
17.00	Top of ascent, 30 ft. above ravine, brs. E. and W.; thence along broken slope draining W.
33.50	Ravine, 20 ft. deep, course W.; ascend.
36.00	Point of spur, 35 ft. above ravine, slopes W.; descend.
39.52	Proportionate dist.
	Set an iron post, 3 ft. long 1 in. diam., 24 ins. in the ground for ¼ sec.cor., sec. 3, with brass cap mkd.
	S 3 ¼ 1920
	Raise a mound of stone, 3 ft. base, 1½ ft. high W. of cor.
40.11	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec.cor. sec.2, with brass cap mkd.
	¼ S 2 1920
	Raise a mound of stone 3 ft. base, 1½ ft. high E. of cor.
40.50	Ravine 30 ft. below point of spur, course W.; ascend.
48.00	Point of spur, 100 ft. above ravine, slopes W.; descend.
62.53	The witness cor. to closing cor. of secs.2 and 3,
63.53	True point for closing cor. of secs.2 and 3, in water course in bottom of ravine, 60 ft. below point of spur. Cor. Not set.
	Land, rolling and broken hills.
	Soil, sandy and rocky clay.
	No timber. Undergrowth sagebrush.

SUBDIVISION OF T. 6 S., R. 21 E.

From the cor. of secs.1, 2, 11, and 12,

East bet. Secs.1 and 12, on random line.

SUBDIVISION OF T. 6 S., R. 21 E.

Chains	
20.00	Set temp. ¼ sec.cor.
21.00	Intersect E. bdy.of Tp. N. 0° 02' W. 3.07 chs. from the cor.of secs.6 and 7. At intersection
	Set an iron post 3 ft.long, 2 ins.diam., 24ins.in the ground, for cor.of secs.1 and 12,with brass cap mkd.
	T6S R23E S 1 S12 | S 6 R21E 1930
	Raise a mound of stone 3 ft.base, 1½ ft.high W.of cor.
	Thence west bet. secs.1 and 12 on true line,
	Ascend gradually over rolling hills; through medium growth of sagebrush.
16.00	Ridge, 40 ft. above sec.cor., bears NW. and SE. Descend.
18.00	Ravine, 50 ft. below ridge, course SE. from the W.; thence along ravine.
21.70	Ascent from ravine, draining from the NW.
27.66	Set an iron post, 3 ft.long, 1 in.diam., 24 ins.in the ground, for ¼ sec.cor. on N.bdy.of sec.12, with brass cap marked
	¼ S 12 1930
	Raise a mound of stone 3 ft.base, 1½ ft.high S.of cor.
41.33	Set an iron post, 3 ft.long, 1 in.diam., 24 ins.in the ground, for ¼ sec.cor. on S. bdy.of Sec.1, with brass cap marked
	S 1 ¼ 1930
	Raise a mound of stone, 3 ft.base, 1½ ft.high N.of cor.
[illegible]	Top of ascent on point of spur, 80 ft. above ravine, slopes S.; descend.
[illegible]	Ravine, 80 ft. below top of ascent,course S.; ascend.
[illegible]	Top of ascent,80 ft. above ravine, slopes S.; descend.
[illegible]	Ravine, 80 ft. below top of ascent,course SE.;ascend.
[illegible]	Top of spur of secs.1,6,11 and 12, 130 ft. above ravine. Level, rolling hills. Drainage SE.

Chains	
	Soil, rocky clay, on hard rocky clay subsoil.
	Medium growth of sagebrush. No timber.
	North bet. secs. 1 and 2.
	Ascend gradually along slope of ridge, over rolling hills through a medium undergrowth of sagebrush.
6.00	Top of ascent, 30 ft. above sec. cor., slopes E.; desc.
9.70	Ravine, 35 ft. below top of ascent, course S.60°E.; asc.
20.00	Top of ascent, 20 ft. above ravine, slopes E.; descend.
27.00	Ravine, 30 ft. below top of ascent, course S.60°E.; ascend.
36.00	Top of ascent, 60 ft. above ravine, brs. NW. and SE. thence over rolling top of 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, marked ¼ S 2 | S 1 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
43.00	Abrupt ascent over rough slope, brs. E. and W.
58.00	Top of ascent on point of rocky spur, 230 ft. above ¼ sec. cor.; slopes SE; thence along rough slope of spur over ledges.
62.32	Intersect the First Stan. Par. S., N.89° 59'E., 18.52 chs. dist. from the stan. cor. of secs. 35 and 36.
	Point of intersection falls on face of ledge. Impracticable to set cor. at this point.
	At point 2.30 chs. dist., S.89°59'W. from true point, or 16.22 chs. dist. N.89° 59'E. from the cor. of secs. 35 and 36.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and 12 ins. in a mound of stone, for witness cor. to the closing cor. of secs. 1 and 2, with brass cap marked T5S R21E S36 WC S 2 | S 1 T6S R21E 1920

Chains

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

Land, rolling and broken hills. Drainage SE.

Soil, sandy and rocky clay, on rocky subsoil.

Medium undergrowth of sagebrush. No timber.

LATITUDES, DEPARTURES AND CLOSING ERRORS, T.6 S., R.21 E

Line designated	Course	Dist.	Lat. N.	Lat. S.	Dep. E.	Dep. W.
		chs.	chs.	chs.	chs.	chs.
E. bdy. T6SR21E	S.0° 02'E.	144.31		144.31	.08	
Bet.secs.12 & 13	N.88°39'W.	78.92	1.86			78.90
Bet.secs. 11& 12	N.1° 39'W.	80.04	80.01			2.30
Bet.secs.2 & 11,	S.89°11'W.	80.41		1.15		80.40
Bet.secs. 2 & 3,	N.4° 17'E.	63.53	63.35		4.75	
1st.Stan. Par.S.,	N.89°40'E.	29.59	.17		29.59	
	N.89°59'E.	118.85	.03		118.85	
	East	8.65			8.65	
Convergency					.05	
Totals,			145.43	145.46	161.97	161.60
				145.42	161.60	
Error in lat. and dep.				.04	.37	

GENERAL DESCRIPTION OF T. 6 S., R. 21 E.

The land of this fractional township consists of rolling and broken hills, cut by numerous washes and ravines draining south. The soil is generally a dry clay and sandy loam and loose rocks, on a subsoil of hard rocky clay and supports a medium growth of sagebrush, shadscale and grass which affords fair grazing for cattle.

No land suitable for cultivation was noted on this fractional township.

No water, timber, settlers or indications of mineral were noted on this fractional township during the survey.

Owing to defective needle the magnetic declination was not determined.

BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Louis Postma	Chainman.
Prentiss R. Long	Chainman.
Glen T. Blake	Flagman.
Victor Wilkins	Cornerman.

CADASTRAL ENGINEER.

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Ralph Gentry, U. S. Cadastral, ~~U. S. Surveyor~~ Engineer hereby certify upon honor that, in pursuan of special instructions received from the U. S. Surveyor General for Utah bearing date of the 20th day of May, 1920, ~~xxx~~, I have well, faithfully, and trul 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 resurvey of th east boundary and subdivision of T. 6 S., R. 21 E., and the survey of the subdivision of T. 6 S., R. 21 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented i the foregoing field notes as having been executed by me, and under my direction; 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.

and date diagram on dates shown on date diagram

Salt Lake City, Utah, March 14, 1921.

Ralph Gentry

U. S. Cadastral Engineer. ~~U. S. Surveyor~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, Sept. 25 1922

The foregoing field notes of the re survey of the east boundary and the resurvey and survey of the subdivisional lines of Township No. 6 South, Range No. East of the Salt Lake Base and Meridian, Utah;

executed by Ralph Gentry

under his special instructions dated May 20, 1920, ~~191~~, having been critically examined, and the necessary corrections and explanations made, the said ~~field notes, and the~~ resurveys and surveys they describe, are hereby approved.

C. A. Swenson

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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Page

4—679

BOOK A-451

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U. S. Surveyor General's Office
MAR 1921
SALT LAKE CITY, UTAH

FIELD NOTES

OF THE RE SURVEY OF THE

FIRST STANDARD PARALLEL SOUTH, THROUGH R. 21 E., and of

A PORTION OF THE EAST AND NORTH BOUNDRIES, AND

A PORTION OF THE SUBDIVISION OF T. 5 S., R. 21 E., and

THE SURVEY OF A PORTION OF THE

SUBDIVISIONS OF T. 5 S., R. 21 E.,

Of the Salt Lake Base and *Meridian,*

In the State of Utah

EXECUTED BY

Ralph Gentry

In the capacity of U. S. Cadastral Engineer ~~Surveyor~~, *under Special Instructions dated* May, 20, 1920 ~~191~~ ,

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

No. 81, *which were approved by the Commissioner of the General Land*

Office, 2-4-1920, *191* , *and Assignment Instructions dated* May, 20, 1920 ~~191~~

Survey commenced August 2, 1920, ~~191~~

Survey completed September 13, 1920, ~~191~~

0—151

Examination Compiled

A Plat M.F.Y Notes H.F.B. F.B.J.

B Computations F.M.S.

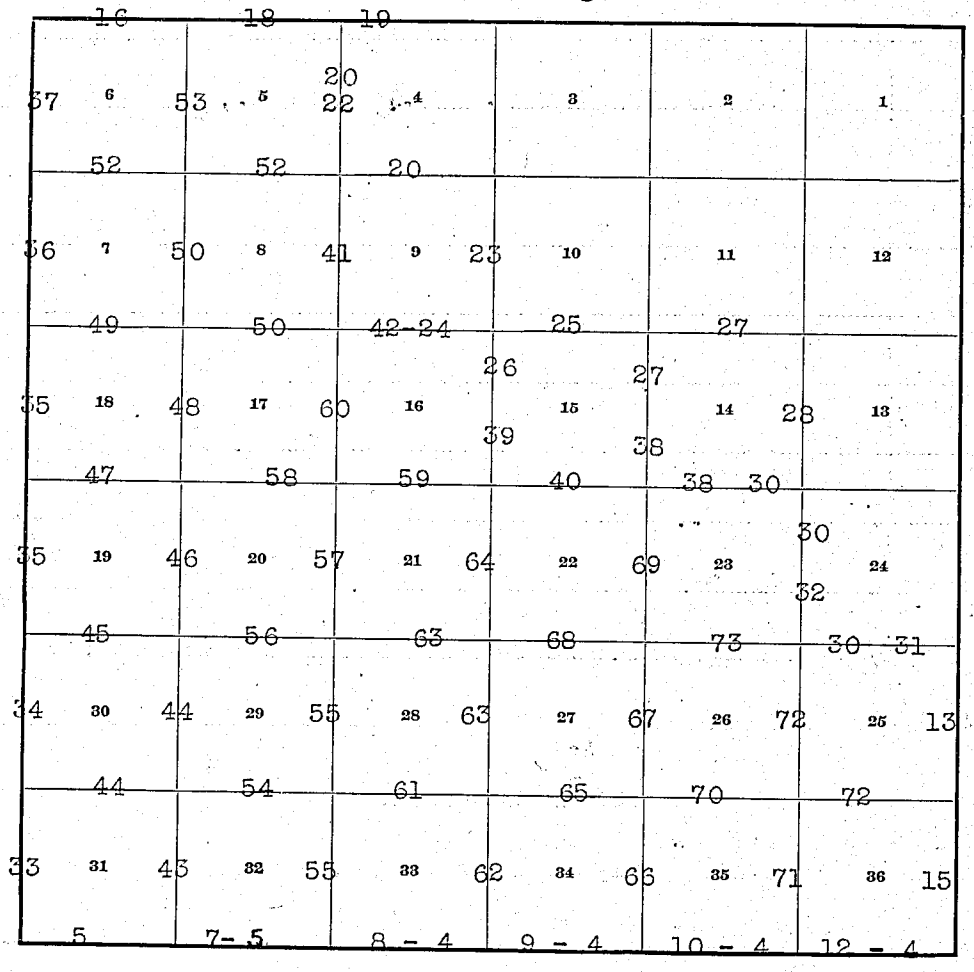
Comparing

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

BOOK A-451

INDEX DIAGRAM.

Township 5 South, *Range* 21 East.



BOOK A-451

4—679 b

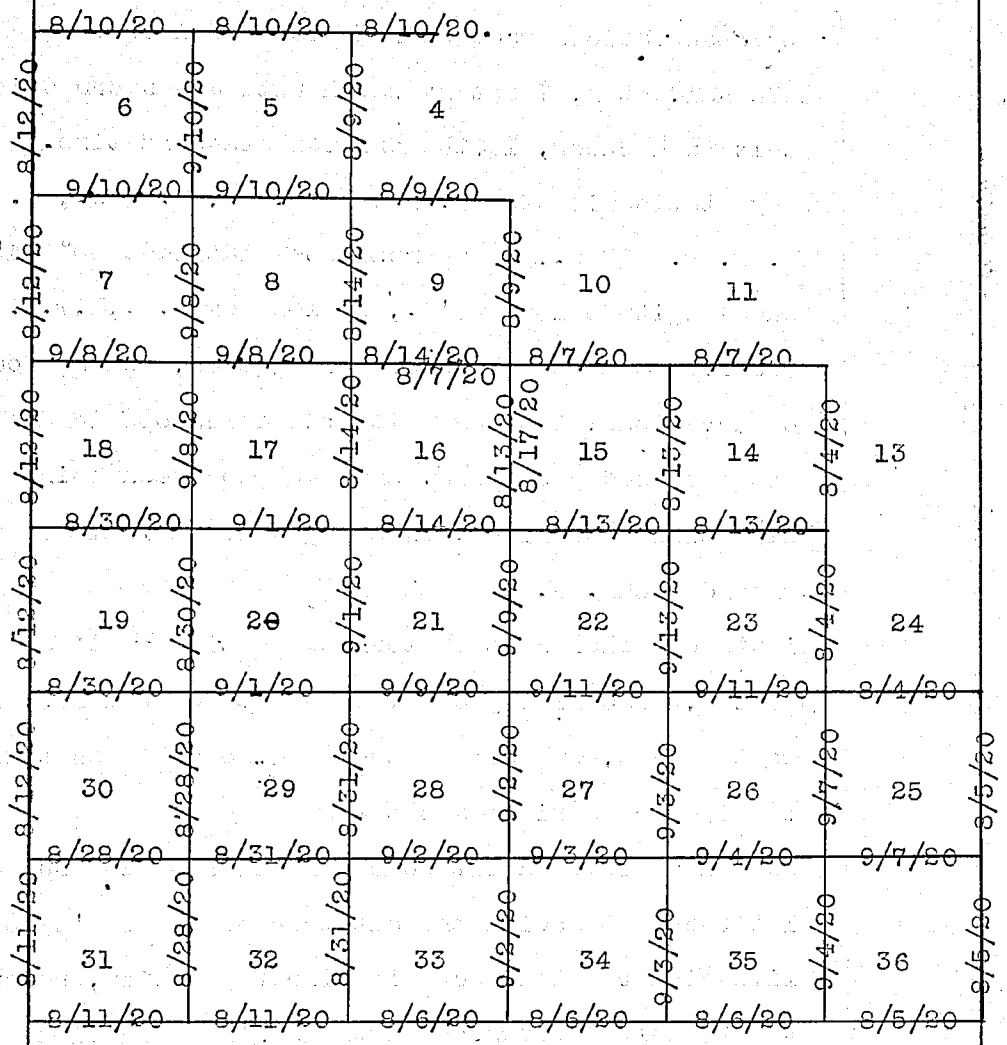
INDEX DIAGRAM.

Township 5 South, Range 21 East

~~429~~ ~~430~~ ~~432~~					
449 6	465 5	434 4	3	2	1
~~464~~	~~464~~	~~433~~			
448 7	462 8	436 ~~453~~ 9	10	11	12
~~461~~	~~462~~	~~454~~ ~~453~~	437 ~~438~~	~~439~~ 439	
447 18	460 17	~~452~~ 16	15	14	440 13
~~459~~	~~470~~	~~451~~	~~452~~ ~~451~~ 451	~~450~~ 450	
457 19	458 20	469 21	476 22	481 23	442 24
~~457~~	~~468~~	~~475~~	~~480~~	~~483~~	~~444~~ ~~442, 443~~
446 30	456 29	467 28	475 27	479 26	484 25 ~~426~~
~~456~~	~~466~~	~~473~~	~~477~~	~~482~~	~~484~~
445 31	455 32	467 33	474 34	478 35	483 36 427
~~448, 447~~	~~449, 447~~	~~450, 446~~	~~451, 446~~	~~452, 446~~	~~454, 446~~

6—4817

DATE DIAGRAM OF T. 5 S., R. 21 E.



DESCRIPTION AND TEST OF INSTRUMENT, T. 5 S.,R.21 E.

Survey commenced August 2, 1920, and executed with a Buff & Buff transit, No. 8028; the instrument is equipped with a full vertical circle and the Smith solar attachment; unless otherwise specified all azimuth determinations are accomplished with the solar attachment.

The instrument was approved for use on this survey by the assistant supervisor of surveys for Utah, upon satisfactory field tests, in assignment instructions dated May 20, 1920.

I examine the adjustments of the transit, and correct all errors; then, test the solar apparatus by comparing its

indications hourly with the true meridian established by observations made on Polaris as follows:-

At Vernal, Utah, I set my watch with a Western Union telegraph clock, 105th meridian standard time.

At my station in the NE. ¼ of sec. 10, T. 5 S., R. 21 E., S. L. B. & Mer., in approximate latitude 40° 24'N., and longitude 109° 33'W., at 10h 50m p.m.,l.m.t., I observe Polaris at eastern elongation, making four observations, two each 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 5 chs. N.

Azimuth of Polaris at eastern elongation = 1° 28'.

August 3, 1920: I lay off the azimuth of Polaris, 1° 28', to the west, and note a tree in the meridian thus determined on a ridge about two miles S.

I make a meridian altitude observation of the sun for latitude, observing the altitude 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
Mean observed altitude,	=	67° 03' 15"
Reduced latitude	=	40° 23' 57"

At app. noon, I set off 17° 27'N. on the decl. arc, and observe the sun on the meridian; the resulting reading of the lat. arc is 40° 24'.

At 4h p.m., app. t., with the lat. arc unchanged, I set off 17° 25'N., on the decl. arc, and determine a meridian with the solar which I find to agree with the true meridian.

August 4; at 8h a.m., app. t., I set off 40° 24' on the lat. arc; 17° 14½'N. on the decl. arc and determine a meridian with the solar which I find to agree with the true meridian.

As all solar observations during the usual hours of solar

Chains

work come within 1' 30" of the true meridian, it is concluded that the adjustments of the instrument are satisfactory.

Sept. 13, 1920: at conclusion of survey, at stations above noted I examine the adjustments of the instrument which I find correct; then, test the solar apparatus by comparing its indications hourly with the true meridian established by Polaris observations Aug. 2, 1920.

At 9h a.m., app. t., I set off 40° 24'N. on the lat. arc; 3° 46'N., on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

At app. noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is 3° 43'N., which agrees with the computed decl. of the sun.

At 3h p.m., app. t., with the lat arc unchanged, I set off 3° 40'N. on the decl. arc and determine a meridian with the solar which I find to agree with the true meridian.

The instrument was kept in good adjustment during the survey, frequent tests of the solar being made and comparsions of its indications made with the true meridian.

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.

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indications hourly with the true meridian established by observations made on Polaris as follows:-

At Vernal, Utah, I set my watch with a Western Union telegraph clock, 105th meridian standard time.

At my station in the NE. ¼ of sec. 10, T. 5 S., R. 21 E., S. L. B. & Mer., in approximate latitude 40° 24'N., and longitude 109° 33'W., at 10h 50m p.m.,l.m.t., I observe Polaris at eastern elongation, making four observations, two each 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 5 chs. N.

Azimuth of Polaris at eastern elongation = 1° 28'.

August 3, 1920: I lay off the azimuth of Polaris, 1° 28', to the west, and note a tree in the meridian thus determined on a ridge about two miles S.

I make a meridian altitude observation of the sun for latitude, observing the altitude 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
Mean observed altitude,	=	67° 03' 15"
Reduced latitude	=	40° 23' 57"

At app. noon, I set off 17° 27'N. on the decl. arc, and observe the sun on the meridian; the resulting reading of the lat. arc is 40° 24'.

At 4h p.m., app. t., with the lat. arc unchanged, I set off 17° 25'N., on the decl. arc, and determine a meridian with the solar which I find to agree with the true meridian.

August 4; at 8h a.m., app. t., I set off 40° 24' on the lat. arc; 17° 14½'N. on the decl. arc and determine a meridian with the solar which I find to agree with the true meridian.

As all solar observations during the usual hours of solar

Chains	
	From the stan. cor. of secs. 32 and 33.
	West along S. bdy. of sec. 32 on retracement line.
40.54	Fall 2 lks. N. of the stan. ¼ sec. cor. hereinafter described.
80.31	Fall 64 lks. S. of the stan. cor of secs. 31 and 32, hereinafter described.
	The course of the E. half mile is therefore S.89° 58'W., and the dist. is 40.54 chs., and the course of the W. half mile is N.89° 03'W., and the dist. is 39.77 chs.
	From the stan. cor of secs. 31 and 32.
	West along S. bdy. of sec. 31 on retracement line.
40.16	Fall 15 lks. N. of the stan. ¼ sec. cor. hereinafter described.
70.96	Fall 2 lks. S. of the closing cor. of Tp. 6 S., Rs. 20 and 21 E., hereinafter described.
80.04	Fall 6 lks. S. of the stan. cor. of T. 5 S., Rs. 20 and 21 E., hereinafter described.
	The course of the E. half mile is therefore S.89°47'W., and the dist. is 40.16 chs., and the course of the W. half mile is N.89° 42'W., and the dist. is 39.88 chs.
	I retrace W. through R. 20 E., for a distance of 3 mile and was unable to find any trace of any of the old stan. ¼ sec. or sec. cors. I discontinued the line and at a point 10.54 chs. W. of the stan. cor of T. 5 S., Rs. 20 and 21 E., at intersection of the W. bdy. or line produced S. from the cor. of Ts. 4 and 5 S., Rs. 20 and 21 E., with the First Stan. Par. S.
	Set an iron post, 3 ft. long, 3 ins. diam/. 24 ins. in the ground for the stan. cor. of T. 5 S., Rs. 20 and 21 E., with brass cap marked

SC
T 5 S
R20E | R21E
S36 | S31

1920

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

Chains	
	Thence
	East along S. bdy. of sec. 31 on resurvey line.
	Ascend over rolling hills, through medium growth of sagebrush.
1.00	Top of low hill, 10 ft. above Tp. cor., brs. S. and NW.; descend gradually.
10.54	The old stan. cor. of Ts. 5 S., Rs. 20 and 21 E., which is a sandstone, 16 x 16 x 12 ins. above the ground, marked and witnessed as described by the surveyor general. I destroy the marks on this cor., and mark stone A P on N. face for angle point. Thence
	S.89° 42'E., along S. bdy. of sec. 31, continuing measurement.
19.62	The old closing cor. of Ts. 6 S., Rs. 20 and 21 E., which is a sandstone, 12 x 12 x 10 ins. above the ground, marked and witnessed as described by the surveyor general.
30.00	Bottom of gulch, 100 ft. below ridge, course S.; old road along gulch, brs. N. and S.; ascend over broken surface.
32.00	Top of gulch, 50 ft. above bottom, brs. NW. and SE.; ascend gradually over broken surface.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for stan. ¼ sec. cor., with brass cap marked S C ¼ S 31 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
50.42	The old stan. ¼ sec. cor., which is a sandstone, 12 x 12 x 12 ins. above the ground, marked and witnessed as described by the surveyor general. I destroy the marks on this cor., and mark stone A P on N. face for angle point. Thence
	N.89° 47'E., along S. bdy. of sec. 31, continuing measurement.
55.50	Top of ascent, 30 ft. above top of gulch, slopes SE.; descend.
62.60	Ravine, 20 ft. below top of ascent, course SE.; ascend.

Chains	
80.00	25 ft. above ravine.
	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock and 6 ins. in a mound of stone for the stan. cor. of secs. 31 and 32, with brass cap marked
	S C T5S R21E S31 S32 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Land, broken hills draining SE.
	Soil, rocky and sandy loam on rocky subsoil.
	Undergrowth, medium growth of sagebrush. No timber.
	N.89° 47'E., along S. bdy. of sec. 32 on resurvey line.
	Ascend over rolling and broken hill, through a medium growth of sagebrush.
2.50	Top of ascent, 15 ft. above sec. cor., slopes SE.; dec.
10.58	At bottom of descent, 45 ft. below top, draining SE.
	The old stan. cor. of secs. 31 and 32 which is a sandstone, 14 x 10 x 6 ins. above the ground marked and witnessed as described by the surveyor general. I destroy the marks on the cor., and mark stone A P on N. face for angle point. Thence
	S.89° 03'E., along S. bdy. of sec. 32.
	Ascend.
19.00	Top of ascent, 30 ft. above angle point, slopes SE.; dec.
25.75	Gulch, 75 ft. below top of ascent, course SE.; ascend.
40.00	On rough slope 175 ft. above gulch.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for stan. ¼ sec. cor., with brass cap marked
	S C ¼ S 32 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
42.50	Ridge, 30 ft. above ¼ sec. cor., brs. N. and S.; thence over rolling top of ridge.

Chains	
48.50	Descend from ridge, brs. N. and S.
50.35	50 ft. below top of ridge on broken slope.
	The old stan. ¼ sec. cor., which is a sandstone, 12 x 8 x 6 ins., above the ground marked and witnessed as described by the surveyor general. I destroy the marks on this old cor., and mark stone on N. face A P for angle point. Thence
	N.89° 58'E., along S. bdy. of sec. 32, continuing measurement.
54.25	Gulch, 30 ft. below angle point, course SE.; ascend.
61.00	Top of gulch and rolling ridge, 80 ft. above gulch, brs. E.; thence along rolling top of ridge.
69.00	Head of ravine, course NW.
80.00	On top of rolling ridge, brs. W. and N.20°W.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for stan. cor. of secs. 32 and 33, with brass cap marked

S | C
T5S | R21E
S32 | S33

1920

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

Land, rolling and broken hills. Drainage SE.

Soil, sandy and rocky loam on rocky subsoil.

Undergrowth, medium growth of sagebrush. No timber.

N.89° 58'E., along S. bdy. of sec. 33.

Descend gradually over rolling hills, through a medium growth of sagebrush.

10.89	In small ravine, 20 ft. below sec. cor., course N.15°E.
	The old stan. cor. of secs. 32 and 33, which is a cedar post, 4 ins. sq., and 3 ft. long, marked as described by the surveyor general and unwitnessed. I destroy the marks on this post, and mark same A P on N. side for angle point. Thence
	N.89° 24'E., along S. bdy. of sec. 33, continuing measurement.
	Over rolling bench land.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for the stan. ¼ sec. cor., with brass cap marked S C ¼ S 33 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
71.75	Wash, 1 ch. wide, 15 ft. deep, course S15°E.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the stan. cor. of secs. 33 and 34, with brass cap marked S | C T5S | R21E S33 | S34 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Land, rolling bench and hills. Drainage S. Soil, sandy loam on hard clay and rocky subsoil. Medium undergrowth of sagebrush. No timber.
	N.89° 24'E., along S. bdy. of sec. 34 on resurvey line. Over rolling bench land, draining S., through a medium growth of sagebrush.
3.25	Wash, 150 lks. wide, 10 ft. deep, course S.
11.84	The old stan. cor. of secs. 33 and 34, which is a cedar post, 3 ins. sq., 3 ft. long, marked as described by the surveyor general and unwitnessed. I destroy the marks on this post, and mark same A P on N. side for angle point. Thence
	N.89° 32'E. along S. bdy. of sec. 34, continuing measurement.
32.00	Wash, 2 chs. wide, 10 ft. deep, course S.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for the stan. ¼ sec. cor., with brass cap marked S C ¼ S 34 1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
42.90	Head of ravine, course S.
52.02	The old stan. ¼ sec. cor., which is a sandstone 8 x 4 x 4 ins. above the ground marked and witnessed as described by the surveyor general. I destroy the marks on this cor. and mark A P on N. face of stone for angle point.
	Thence
	N.89° 44'E., along S. bdy. of sec. 34, continuing measurement.
52.50	Descend from bench over broken slope, entering scattering cedar and pinon, brs. N. and S.
80.00	100 ft. below top of bench.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the stan. cor. of secs. 34 and 35, with brass cap marked

S	C
T5S	R21E
S34	S35

1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Land, rolling bench on W. 52.50 chs., and broken hills on remaining portion of mile.
	Soil, sandy loam on hard clay and rocky subsoil on W. 52.50 chs., and sandy and rocky loam on rocky subsoil on remaining portion of mile.
	Medium growth of sagebrush on mile.
	Timber, scattering scrub cedar and pinon on E. 27.50 chs.

	N.89° 44'E., along S. bdy. of sec. 35 on resurvey line.
	Descend over mountainous land, through a scattering undergrowth of sagebrush and very scattering scrub cedar and pinon.
1.75	Ravine, 25 ft. below stan. sec. cor., course S.; ascend.
12.07	The old stan. cor. of secs. 34 and 35, which is a sandstone, 12 x 12 x 6 ins. above the ground marked and witnessed as described by the surveyor general. I de-

Chains	
	stroy the marks on this old cor., and mark the stone A P on N. face for angle point. Thence
	N.89° 40'E., along S. bdy. of sec. 35, continuing measurement.
18.50	Ridge, 85 ft. above ravine, brs. N.15°E. and S.15°W.; abrupt descent.
22.77	Bottom of ravine, 265 ft. below ridge, course S.15°E.
	Proportionate point for closing cor. of secs. 2 and 3, T. 6 S., R. 21 E. fall in water course.
	I re-establish this cor. at a point 1.00 ch. S. of true point as follows:-
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing W.C. of secs. 2 and 3, T. 6 S., R. 21 E., with brass cap marked
	WC T 5 S. R 21E S 35 S 3 | S 2 T 6S | R21E CC 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
	Ascend over rough slope over ledges.
40.00	On rough slope, 200 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for stan. ¼ sec. cor., with brass cap marked
	S C ¼ S 35 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
44.25	Spur, 60 ft. above ¼ sec. cor.; projects S.; descend.
49.00	Ravine, 120 ft. below spur, course S.; ascend.
52.36	The old stan. ¼ sec. cor., which is a limestone, 8 x 8 x 6 ins., above the ground marked and witnessed as described by the surveyor general. I destroy the marks on this cor., and mark A P on N. face of stone for angle point. Thence
	N.89° 59'E. along S. bdy. of sec. 35, continuing measurement.
53.50	Spur, 50 ft. above ravine, projects S.; descend.
60.00	Ravine, 100 ft. below spur, course S.; ascend.

Chains	
62.00	Spur, 70 ft. above ravine, projects S.; descend.
69.50	Ravine, 110 ft. below spur, course S.; ascend.
80.00	On ridge, 150 ft. above ravine, brs. N. and S.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and 12 ins. in a mound of stone for the stan. cor. of secs. 35 and 36, with brass cap marked

S C
T5S | R21E
S35 | S36

1920

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

Land, rough and broken hills, draining S.

Soil, shallow sandy and rocky loam on rocky subsoil.

Scattering undergrowth of sagebrush.

Timber, scattering scrub cedar and pinon.

N.89° 59'E., along S. bdy. of sec. 36 on resurvey line.

Descend over rough and broken hills, through a scattering undergrowth of sagebrush and scattering scrub cedar and pinon.

8.25	Ravine, 50 ft. below stan. cor., course S.15°E.; ascend.
16.00	Spur, 150 ft. above ravine, projects S.; descend over ledges.
40.00	300 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for stan. ¼ sec. cor., with brass cap marked

S C
¼ S 36

1920

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

41.70	Ravine, 10 ft. below stan. ¼ sec. cor., course S.75°E.; ascend.
54.00	Spur, 100 ft. above ravine, projects S.; descend.
59.30	Ravine, 115 ft. below spur, course S.15°E.; ascend.
66.00	Top of ascent, 60 ft. above ravine, slopes S.; descend.

Chains	
86.50	Ravine, 100 ft. below top of ascent, course N.W.; ascend.
88.00	Top of ascent, 50 ft. above ravine, slopes N.; descend.
91.21	The stan. cor. of T. 5 S., Rs. 21 and 22 E., which is a cross marked on sandstone outcropping, with 6 notches N., E. and W. of cross. I remonument this cor as follows

Over cross set an iron post, 3 ins. diam., 3 ft. long, in a mound of stone, 5 ft. base, 24 ins. high for the stan. cor. of T. 5 S., Rs. 21 and 22 E., with brass cap marked

S C
T 5 S
R21E | R22E
S36 | S31

1920.

Land, rough and broken hills. Drainage S.

Soil, shallow sandy and rocky loam on rocky subsoil.

Scattering undergrowth of sagebrush.

Timber, very scattering scrub cedar and pinon.

RESURVEY OF THE EAST BOUNDARY OF T. 5 S., R. 21 E.

From the standard cor. of T. 5 S., Rs. 21 and 22E.

North on retracement line along E. bdy. of Tp. making careful search for old cors, and unable to find any trace of ¼ sec. cor. bet. secs. 31 and 36, the cor. of secs. 25, 30, 31 and 36, or the ¼ sec. cor. bet. secs. 25 and 30. I set temp. ½ sec. and sec. cor. at intervals of 40.00 and 80.00 chs., and at 158.22 chs. fall 3.08 chs. E. of the cor. of secs. 19, 24, 25 and 30.

The course of this line is therefore N.1° 07'W., and the proportionate dist. for each mile is 79.12 chs.

From the cor. of secs. 19, 24, 25 and 30 which is a sandstone 14 x 12 x 4 ins., marked and witnessed as described by the surveyor general and unwitnessed, and which I remonument as follows:-

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground along side of stone, for the cor. of secs.

Chains	
	19, 24, 25 and 30 with brass cap marked
	T 5 S R21E | R22E S24 | S19 S25 | S30 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Thence
	S.1° 07'E., along E. bdy. of sec. 25, on resurvey line.
	Over rolling land, through a medium growth of sagebrush.
25.80	Wash, 3 chs. wide, 10 ft. deep, course E.
35.50	Wash, 30 lks. wide, 4 ft. deep, course E.; ascend over rolling hills, entering very scattering cedar and pinon, brs. E. and W.
38.23	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on E. bdy. sec. 25, with brass cap marked
	¼ S25 | 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
39.56	Proportionate dist.
	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 re-established ¼ sec. cor., on W. bdy. sec. 30, T. 5 S., R. 22 E., with brass cap marked
	¼ |S30 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
60.00	Ridge, 95 ft. above wash, brs. E. and W.; descend.
66.00	Ravine, 40 ft. below ridge, course SE.; ascend.
78.23	Top of ascent, 40 ft. above ravine, slopes E.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and 12 ins. in a mound of stone for the cor. of secs. 25 and 36, with brass cap marked

RESURVEY

EAST BOUNDARY OF T. 5 S., R. 21 E.

Chains	
	T5S S25 S36 R21E 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling on N. 35.50 chs. of mile and rolling hills on remaining portion. Drainage SE.
	Soil, sandy loam on hard clay subsoil on N. 35.50 chs., and shallow sandy and rocky loam on rocky subsoil on remaining portion of mile.
	Medium undergrowth of sagebrush on mile.
	Scattering scrub cedar and pinon on S. 42.73 chs.
	S.1° 07'E., along E. bdy. of sec. 36 on resurvey line.
	Descend over broken hills, through a scattering undergrowth of sagebrush and a few scattering scrub cedar and pinon.
.89	Proportionate dist.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and 12 ins. in a mound of stone for the re-established cor. of secs. 30 and 31, T. 5 S., R. 22 E., with brass cap marked
	T5S S30 S31 R22E 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
7.00	Ravine, 75 ft. below sec. cor., course S.60°E.; ascend.
13.50	Top of ascent, 50 ft. above ravine, slopes SE.; and old road, brs. NW. and SE.; descend.
18.50	Ravine, 80 ft. below top of ascent, course SE.; ascend.
23.00	Top of ascent, 30 ft. above ravine, slopes SE.; descend.
32.25	Ravine, 90 ft. below top of ascent, course S.60°E.; asc.
40.00½	Top of ascent, 30 ft. above ravine, slopes E.
	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

Chains	
	stone for ¼ sec. cor., on E. bdy. sec. 36, with brass cap marked
	¼ S 36 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Descend over broken surface.
40.45	Proportionate dist.
	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 re-established ¼ sec. cor., sec. 31, T. 5 S., R. 22 E., with brass cap marked
	¼ S31 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
52.25	Ravine, 70 ft. below ¼ sec. cor., course E.; ascend.
56.00	Top of ridge, 50 ft. above ravine, brs. NW. and SE. descend.
79.25	Ravine, 80 ft. below ridge, course SE.; ascend.
80.01	The stan. cor. of T. 5 S., Rs. 21 and 22 E.
	Land, rough and broken hills. Drainage SE.
	Soil, shallow sandy and rocky loam on sandstone base.
	Scattering undergrowth of sagebrush.
	Timber, a few scattering cedar and pinon.

	RESURVEY OF THE NORTH BOUNDARY OF T. 5 S., R. 21 E.
	From the ¼ sec. cor. bet. secs. 4 and 33 on N. bdy.
	West bet. secs. 4 and 33 on retracement line.
40.00	Set temp. cor. for secs. 4, 5, 32 and 33, being unable to find any trace of the old cor.
	I continue on same line setting temp. ¼ sec. and sec. cors at intervals of 40.00 chs., and at
160.68	Fall 117 lks. N. of the ¼ sec. cor., hereinafter described.

Chains	
	I continue on same line and at
199.64	Fall 175 lks. N. of the cor. of Ts. 4 and 5 S., Rs. 20 and 21 E. which is a sandstone, 8 x 8 x 8 ins. above the ground marked and witnessed as described by the surveyor general. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground along side of stone cor., for the cor. of Ts. 4 and 5 S., Rs. 20 and 21 E., with brass cap marked
	T 4 S R20E | R21E S36 | S31 S 1 | S 6 T 5 S 1920
	The course of the line bet. the ¼ sec. cor. bet. secs. 4 and 33 and the ¼ sec. cor. bet. secs. 6 and 31 is therefore S.89° 35'W., and the proportionate dist. for each half mile is 40.17 chs., and the course of the W. half mile bet. secs. 6 and 31 is S.89° 09'W., and the dist. is 38.96 chs. Thence
	N.89° 09'E., bet. secs. 6 and 31 on resurvey line
	Descend over rolling hills, draining S., through a medium undergrowth of sagebrush and very scattering growth of scrub cedar and pinon.
2.50	Ravine, 60 ft. below Tp. cor., course S.; ascend.
5.60	Top of spur, 50 ft. above ravine, projects S.; descend.
10.60	Ravine, 80 ft. below spur, course S.15°W.; ascend.
18.00	Ridge, 130 ft. above ravine, brs. N. and S.; descend.
38.96	The old ¼ sec. cor., which is a sandstone, 12 x 12 x 4 ins., marked as described by the surveyor general, loosely set and unwitnessed. I remonument this cor. as follows:-which will hereafter refer to sec. 31 only:-
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground along side of stone, for ¼ sec. cor., on S. bdy. sec. 31, T.4 S.,R.21 E., with brass cap marked
	¼ S 31 1920
	Raise a mound of stone,2 ft. base,1½ ft. high N. of cor.

Chains	
	Thence
	N.89° 35'E., bet. secs. 6 and 31 on resurvey line.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on N. bdy. of sec. 6, with brass cap marked
	¼ S 6 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
40.60	Ravine, 155 ft. below ridge, course SE.; ascend.
69.00	Ridge, 90 ft. above ravine, brs. N. and S.; descend.
76.75	Ravine, 100 ft. below ridge, course S.10°W.; ascend.
79.13	Proportionate dist.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 31 and 32, T. 4 S., R. 21 E., with brass cap marked
	T4S | R21E / S31 | S32 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
80.00	On ridge, 40 ft. above ravine, brs. N.10°W., and S.10°E.
	Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock, and 14 ins. in a mound of stone for the cor. of secs. 5 and 6, with brass cap marked
	S 6 | S 5 / T5S | R21E / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
	Land, rolling hills, draining S.
	Soil, sandy, clay and rocky loam on hard clay and rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, a few scattering scrub cedar and pinon.
	N.89° 35'E., along N. bdy. of sec. 5 on resurvey line.
	Descend over rolling hills, through scattering sagebrush and a few scattering cedar and pinon.

RESURVEY

NORTH BOUNDARY OF T. 5 S., R. 21 E.

Chains	
8.00	Ravine, 180 ft. below sec. cor., course S.40°E.; ascend.
27.50	Ridge, 40 ft. above ravine, brs. N.15°W. and S.15°E.; descend.
39.30	Proportionate dist.
	Set an iron post 3 ft. long, 1 in. diam., 24 ins. in the ground for re-established ¼ sec. cor., on S. bdy. sec. 32, T. 4 S., R. 21 E., with brass cap marked
	¼ S 32 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on N. bdy. sec. 5, with brass cap marked
	¼ / S 5 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
43.50	Canal, course S.15°E.; at foot of hills, 125 ft. below ridge, brs. N.15°W., and S.15°E.; leave scattering timber, brs. N. and S.; thence over rolling land
44.70	Road, brs. NE. and SW.; Vernal, Ut. to Fort Duchesne.
79.47	Proportionate dist.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for re-established cor. of secs. 4, 5, 32 and 33, with brass cap marked
	T4S | R21E S32 | S33 S 5 | S 4 T5S 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling hills on W. 43.50 chs., and gently rolling on remaining portion of mile.
	Soil, sandy, clay and rocky loam on rocky subsoil of W. 43.50 chs., and rich sandy loam on remaining portion.
	Medium growth of sagebrush on mile.
	Few scattering scrub cedar and pinon on W. 43.50 chs.

Chains	
	N.89° 35'E., bet. secs. 4 and 33 on resurvey line.
	Over rolling land, through sagebrush. Cultivated land N. and S. of line.
40.17	The old ¼ sec. cor. bet. secs. 4 and 33 which is a cobblestone, 12 x 12 x 4 ins. marked as described by the surveyor general.
	Land, gently rolling.
	Soil, deep sandy loam.
	Undergrowth, sagebrush. No timber.

RESURVEY OF THE SUBDIVISIONS OF T. 5 S., R. 21 E.

From the re-established cor. of secs. 4, 5, 32 and 33, on N. bdy.; thence
South bet. secs. 4 and 5, on retracement line.

40.40	Set temp. ¼ sec. cor. After careful search no trace of the old ¼ sec. cor was found.
80.40	Set temp. cor. for secs. 4, 5, 8 and9 , being unable to find any trace of the old sec. cor.

From temp. cor. of secs. 4, 5, 8 and 9.
East bet. secs. 4 and 9 on retracement line.

41.33	Fall 22 lks. S. of the ¼ sec. cor., hereinafter described
81.45	Fall 34 lks. S. of the cor. of secs. 3, 4, 9 and 10, hereinafter described.

Restoring the cor. of secs. 4, 5, 8 and 9 at record dist. from the cor. of secs. 4, 5, 32 and 33 and record dist. from the ¼ sec. cor. bet. secs. 4 and 9, the course of the line bet. secs. 4 and 5 is S.0° 57'E., and the dist. is 80.40 chs., and the course of the W. half mile bet. secs. 4 and 9 is S.89° 41'W., and the dist. is 40.00 chs. The course of the E. half mile bet. secs. 4 and 9 is S.89° 49'W., and the dist. is 40.12 chs.

From the cor. of secs. 3, 4, 9 and 10, which is a sandstone, 14 x 8 x 5 ins., marked as described by the

Chains	
	surveyor general and set in an old mound of stone, I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground along side of old stone, for the cor. of secs. 3, 4, 9 and 10, with brass cap marked
	T5S R21E S 4 S 3 S 9 S10 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Thence
	S.89° 49'W., bet. secs. 4 and 9 on resurvey line.
	Over rolling land, through a medium growth of sagebrush.
25.25	Canal, course S.15°W.
35.00	Ascend over rolling hills, brs. NE. and SW.
40.12	The old ¼ sec. cor., which is a sandstone, 16 x 10 x 4 ins., marked as described by the surveyor general and set in an old mound of stone. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground along side of old stone, for ¼ sec. cor., with brass cap marked
	¼ S 4 / S 9 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Thence
	S.89° 41'W., bet. secs. 4 and 9 on resurvey line.
53.50	Ridge, 300 ft. high, brs. N.15°W., and S.15°E.; descend.
54.80	Head of ravine, 10 ft. below ridge, course SW.; ascend.
60.00	Top of spur, 30 ft. above ravine, projects SW.; descend.
74.00	Ravine, 110 ft. below spur, course SW.; ascend.
76.00	Top of ascent, 20 ft. above ravine, slopes SW.; descend.
80.12	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and 12 ins. in a mound of stone for re-established cor. of secs. 4 and 9 only, with brass cap marked

Chains	
	T5S S 4 S 9 R21E 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
	Land, rolling on E. 35.00 chs., and rolling hills on remaining portion.
	Soil, sandy loam on E. 35.00 chs., and sandy and rocky loam on rocky subsoil on remaining portion.
	Medium undergrowth of sagebrush on mile. No timber.
	N.0° 57'W., along W. bdy. of sec. 4 on resurvey line.
	Ascend over rolling hills, through a medium growth of sagebrush.
0.62	Point 80.00 chs. northing from the cor. of secs. 8 and 17.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 5 and 8, with brass cap marked
	T5S S 5 S 8 R21E 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
3.50	Top of ascent, 40 ft. above sec. cor., slopes SW.; descend.
7.70	Ravine, 30 ft. below top of ascent, course S.35°W.; asc.
14.00	Top of ascent, 45 ft. above ravine, slopes SW.; descend.
17.00	Ravine, 45 ft. below top of ascent, course SW.; ascend.
30.00	Top of ridge, 150 ft. above ravine, brs. N.75°W. and S.75°E.; descend.
40.00	Record dist., on slope of ridge, 150 ft. below top.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for re-established ¼ sec. cor., on W. bdy. of sec. 4, with brass cap marked
	¼ S 4 1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
40.62	Point 40.00 chs. northing from the cor. of secs. 5 and 8.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on E. bdy. of sec. 5, with brass cap marked
	¼ / S 5 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
55.00	Foot of ridge, 130 ft. below ¼ sec. cor., brs. NW. and SE.; thence over rolling land.
61.70	Canal, course S.60°E.; enter cultivated land, brs. NW. and SE.
79.40	Wire fence, brs. E. and W.
80.40	The cor. of secs. 4, 5, 32 and 33, in lane brs. E. and W.
	Land, rolling hills on S. 55.00 chs., draining SW.; and rolling land on remaining portion of mile.
	Soil, rocky and sandy loam on rocky subsoil on S. 55.00 chs., and deep sandy loam on remaining portion of mile.
	Medium growth of sagebrush on mile. No timber.

	From the cor. of secs. 3, 4, 9 and 10.
	South bet. secs. 9 and 10 on retracement line.
40.00	Set temp. ¼ sec. cor. I find the old stone for ¼ sec. cor., which is a sandstone, 12 x 12 x 4 ins., marked ¼ on one face, lying loose on the ground and informed by settlers that cor. had been moved and that the original position of cor. is unkown.
80.62	Fall 110 lks. W. of the cor. of secs. 9, 10, 15 and 16 which is a sandstone, 8 x 8 x 6 ins above ground, marked as described by the surveyor general and set in old mound of stone. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground along side of old stone, for the cor. of secs. 9, 10, 15 and 16, with brass cap marked

Chains	
	T5S | R21E S 9 | S10 S16 | S15 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Thence
	N.0° 47'W., bet. secs. 9 and 10 on resurvey line.
	Descend over rolling hills, through a medium growth of sagebrush.
11.00	Ravine, 55 ft. below sec. cor., course NE.; road in ravine brs. NE. and SW.; descend gradually over rolling land.
40.31	Proportionate dist.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, placing old stone along side of post, for ¼ sec. cor., with brass cap marked
	¼ S 9 | S10 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Thence over cultivated land.
65.00	Wash, 30 lks. wide, 4 ft. deep, course E.; leave cultivated land, brs. E. and W.
73.90	Wash, 50 lks. wide, 6 ft. deep, course E.
80.62	The cor. of secs. 3, 4, 9 and 10.
	Land, rolling hills on S. 11.00 chs., and rolling on remaining portion of mile. Drainage E.
	Soil, rocky and sandy loam on S. 11.00 chs., and deep, sandy loam on remaining portion.
	Undergrowth, sagebrush. No timber.

	From the cor. of secs. 9, 10, 15 and 16.
	West bet. secs. 9 and 16, on retracement line.
	Ascend over rolling hills, through undergrowth of sagebrush.
14.00	Top of ridge, 215 ft. above sec. cor., brs. N.15°W., and S.15°E.; enter scattering cedar and pinon timber.
	Descend along broken slope.

Chains	
40.00	On broken slope of ridge, 125 ft. below top.
	Make careful search for ¼ sec. cor. and find no trace of the old cor. I re-establish this cor. as follows:-
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for re-established ¼ sec. cor., with brass cap marked
	¼ S 9 / S 16 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Land, rolling hills. Drainage N.15°W.
	Soil, sandy and rocky loam on rocky subsoil.
	Undergrowth of sagebrush.
	Scattering scrub cedars and pinon on W. 26.00 chs.

	From the cor. of secs. 9, 10, 15 and 16.
	East bet. secs. 10 and 15 on retracement line.
40.00	Set temp. ¼ sec. cor. No trace of ¼ sec. cor. found.
80.66	Fall 59 lks. S. of the cor. of secs. 10, 11, 14 and 15, which is a sandstone, 12 x 8 x 8 ins., set in an old mound of rock and marked as described by the surveyor general. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground along side of old stone, for the cor. of secs. 10, 11, 14 and 15, with brass cap marked
	T5S | R21E / S10 | S11 / S15 | S14 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Thence
	S.89° 35'W., bet. secs. 10 and 15 on resurvey line.
	Descend over rolling hills, through sagebrush undergrowth
5.00	Ravine, 20 ft. below sec. cor., course NE.; ascend gradually over rolling hills.
20.10	Canal, course SE.

Chains	
23.00	Top of rolling ridge, 60 ft. above ravine, brs. N. and S., descend gradually.
24.90	Recross canal, course N.60°E.
31.00	Foot of ridge, 30 ft. below top, brs. N. and S.; thence over rolling land.
40.15	Recross canal, course SE.
40.33	Proportionate dist.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 10 / S 15 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
55.00	Wash, 20 lks. wide, 3 ft. deep, course NE.; ascend
80.66	The cor. of secs. 9, 10, 15 and 16, 100 ft. above wash.
	Land, low rolling hills, draining NE.
	Soil, sandy, clay and rocky loam on rocky subsoil.
	Undergrowth of sagebrush. No, timber.
	South bet. secs. 15 and 16, on retracement line.
	Ascend over rolling hills, through sagebrush undergrowth
3.00	Spur, 50 ft. above sec. cor., projects E.; descend.
8.50	Ravine, 20 ft. below spur, course NE.; ascend.
20.00	Ridge, 230 ft. above ravine, brs. NW. and SE.; descend.
25.00	Head of ravine, 10 ft. below ridge, course SW.; ascend.
37.00	Spur, 80 ft. above ravine, slopes SW.; descend.
40.00	Finding no trace of the old ¼ sec. cor., I re-establish 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 marked
	¼ S16 | S15 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling hills.

Chains	
	Soil, sandy and rocky loam on rocky subsoil.
	Undergrowth, sagebrush. No timber.

	From the cor. of secs. 10, 11, 14 and 15.
	South bet. secs. 14 and 15 on retracement line.
	Ascend gradually over rolling land, through a medium growth of sagebrush.
9.80	Canal, course S.75°E.; ascend over rolling hills, brs. NW. and SE.
30.00	Spur, 90 ft. high, projects E.; descend.
40.55	At foot of spur, 50 ft. below top.
	Fall 53 lks. W. of the old ¼ sec. cor., which is a sandstone, 10 x 8 x 8 ins., set in old mound of stone, marked as described by the surveyor general. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground along side of old stone, for ¼ sec. cor., with brass cap marked
	¼ S15 | S14 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of this half mile is therefore S.0° 46'E., and the dist. is 40.55 chs.
	Land, rolling and rolling hills. Drainage E.
	Soil, sandy and rocky loam on rocky subsoil.
	Undergrowth of sagebrush. No timber.

	From the cor. of secs. 10, 11, 14 and 15.
	East, bet. secs. 11 and 14 on retracement line.
	Over rolling land, through sagebrush undergrowth.
24.00	Wash, 20 lks. wide, 2 ft. deep, course NE.
40.41	Fall 33 lks. S of the old ¼ sec. cor., which is a sandstone, 12 x 10 x 6 ins., loosely set in old mound of

Chains	
	stone, and marked as described by the surveyor general. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground along side of old stone, for ¼ sec. cor., with brass cap marked
	¼ S 11 / S 14 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
67.00	Road, brs. NW. and SE.
69.70	Canal, course S.30°E.
80.69	Fall 74 lks. S. of the cor. of secs. 11, 12, 13 and 14, a hard sandstone, 12 x 10 x 8 ins., marked as described by the surveyor general and unwitnessed. Cor. stands along side of road, which brs. E., W, and N. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground along side of old stone, for the cor. of secs. 11, 12, 13 and 14, with brass cap marked
	T5S | R21E S11 | S12 S14 | S13 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of the W. half mile is therefore N.89° 32'E., and the dist. is 40.41 chs., and the course of the E. half mile is N.89° 25'E., and the dist. is 40.28 chs.
	Land, rolling.
	Soil, sandy loam with hard clay subsoil.
	Undergrowth, sagebrush. No timber.
	South bet. secs. 13 and 14 on retracement line.
	Ascend over rolling land, through sagebrush undergrowth.
4.30	Top of knoll, 40 ft. high ; descend.
9.00	Foot of knoll, brs. E. and W.
11.44	Canal, course SE.

Chains	
17.00	Road, brs. N.30°W., and S.30°E.
40.26	Fall 57 lks. W. of the ¼ sec. cor., which is a sandstone, 12 x 10 x 6 ins. loosely set in old mound of stone, and marked as described by the surveyor general. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground along side of stone, for ¼ sec. cor., with brass cap marked
	¼ S14 | S13 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Ascend gradually over rolling land.
43.45	Canal, course S.80°E.
48.75	Wash, 30 lks. wide, 3 ft. deep, course E.
65.35	Wash, 40 lks. wide, 3 ft. deep, course E.
75.00	Top of low rolling ridge, 40 ft. above wash, brs. E. and W.; descend gradually.
80.56	Fall 114 lks. W. of the cor. of secs. 13, 14, 23 and 24, which is a sandstone, 16 x 8 x 8 ins., set in an old mound of stone, and marked as described by the surveyor general. I remonument this cor. as follows:-
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground along side of old stone, for the cor. of secs. 13, 14, 23 and 24, with brass cap marked
	T5S | R21E S14 | S13 S23 | S24 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The course of this mile is therefore S.0° 49'E., and the dist. of the N. half mile is 40.26 chs., and the dist. of the S. half mile is 40.30 chs.
	Land, rolling. Drainage E.
	Soil, sandy and rocky loam on hard clay and rocky subsoil
	Undergrowth, sagebrush. No timber.

Chains	
	West bet. secs. 14 and 23 on retracement line.
	Ascend gradually over rolling land, through sagebrush.
40.00	On low rolling ridge, 70 ft. above sec. cor., brs. N.10° E., and S.10°W., make careful search for old ¼ sec. cor., and am unable to find any trace of cor. I re-establish cor. as follows:-
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., Sec. 14, with brass cap marked ¼ S 14 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Land, rolling.
	Soil, sandy and rocky loam on hard clay and rocky subsoil
	Medium undergrowth of sagebrush. No timber.
	From the cor. of secs. 13, 14, 23 and 24.
	South bet. secs. 23 and 24 on retracement line.
40.00	Set temp. ¼ sec. cor., being unable to find any trace of the ¼ sec. cor.
80.00	Set temp. cor. for secs. 23, 24, 25 and 26, being unable to find any trace of the sec. cor.
	East bet. secs. 24 and 25 on retracement line.
40.00	Set temp. ¼ sec. cor., being unable to find any trace of the ¼ sec. cor.
83.21	Fall 40 lks. N. of the cor. of secs. 19, 24, 25 and 30, on E. bdy. of Tp.
	Establishing the cor. of secs. 23, 24, 25 and 26 at record dist. from the cor. of secs. 13, 14, 23 and 24, and the cor. of secs. 19, 24, 25 and 30, the course of the line bet. secs. 23 and 24 is S.2° 18'E., and the dist. 80.00 chs., and the course of the line bet. secs. 24 and 25 is S.89° 43'E., and the dist. is 80.00 chs.

Chains	
	From the cor. of secs. 19, 24, 25 and 30 on E. bdy. of Tp.
	N.89° 43'W., bet. secs. 24 and 25 on resurvey line.
	Ascend gradually over rolling land through a medium growth of sagebrush.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for re-established ¼ sec. cor., on S. bdy. of sec. 24, with brass cap marked
	¼ S 24 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
40.40	Wash, 30 lks. wide, 3 ft. deep, course NE.
47.73	Point 40.00 chs. easting from the cor. of secs. 25 and 26
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on N. bdy. of sec. 25, with brass cap marked
	¼ / S 25 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
61.50	Old road, brs. NE. and SW.
70.00	Foot of spur, brs. N. and S.; ascend over rolling hills.
75.00	Spur, 80 ft. above foot, projects S.; descend.
80.00	40 ft. below spur.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the SW. cor. of sec. 24, with brass cap marked
	T5S / R21E / S 24 / S 25 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high NE. of cor.
	Land, rolling and rolling hills. Drainage E.
	Soil, sandy and rocky loam on hard clay and rocky subsoil
	Medium undergrowth of sagebrush. No timber.

RESURVEY

SUBDIVISION OF T. 5 S., R. 21 E.

Chains	
	From the SW. cor. of sec. 24.
	N.2°18'W., along W. bdy. of sec. 24 on resurvey line.
	Ascend over rolling hills, through sagebrush undergrowth.
0.93	Point for SE. cor. of sec. 23 hereinafter described.
13.50	Spur, 40 ft. above sec. cor., projects S.60°E.; descend.
32.00	Ravine, 55 ft. below spur, course S.60°E.; ascend.
40.03	On spur, 25 ft. above ravine, projects E.
	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., on W. bdy. of sec. 24, with brass cap marked
	¼ | S 24 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
	Descend.
40.96	Point 40.00 chs. northing from point for the SE. cor. of sec. 23.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor. on E. bdy. of sec. 23, with brass cap marked
	¼ S 23 | 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
43.50	Ravine, 60 ft. below spur, course E.; ascend.
57.00	Spur, 25 ft. above ravine, projects E.; descend.
64.60	Wash, 40 ft. below spur, 30 lks. wide, 3 ft. deep, course E.; thence over rolling land.
76.90	Wash, 20 lks. wide, 4 ft. deep, course E.
80.07	The cor. of secs. 13, 14, 23 and 24.
	Land, rolling hills and rolling, draining E.
	Soil, sandy and rocky loam on hard clay and rocky subsoil
	Medium undergrowth of sagebrush.
	No timber.

WEST BOUNDARY OF T. 5 S., R. 21 E.

Chains	
	From the cor. of Ts. 4 and 5 S., Rs. 20 and 21 E.
	South along W. bdy. of Tp., setting temp. ¼ sec. and sec. cors. at intervals of 40.00 chs., and 80.00 chs., and at 478.43 chs. intersect the First Standard Parallel south, W. 10.54 chs. dist. from the old stan. cor. of T. 5 S., Rs. 20 and 21 E., heretofore described. At intersection I set cor. for T.5 S., Rs. 20 and 21 E., for description of which see notes of resurvey of the First Standard Parallel South on page 5.
	Thence
	North bet. secs. 31 and 36
	Ascend over rolling hills, through sagebrush undergrowth.
3.00	Top of rolling ridge, 15 ft. above Tp. cor., brs. N.15° W., and SE.; thence along E. side of ridge.
20.00	Head of ravine, course SE.; ascend over rough slope of sandstone ridge.
30.00	Top of ascent, 140 ft. above ravine, slopes SE.; descend gradually along rough slope facing E.
40.00	On rough slope of ridge.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S36 | S31 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
50.00	Foot of descent on rough slope, 80 ft. below top, drains E.; ascend.
60.00	Top of ascent, 40 ft. above foot, slopes E.; descend.
80.00	On rough slope, 120 ft. below top of ascent.
	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 marked
	T 5 S R20E R21E S25 | S30 S36 | S31 1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rough and broken hills.
	Soil, sandy and rocky loam on rocky subsoil, Sandstone formation.
	Medium undergrowth of sagebrush. No timber.
	North bet. secs. 25 and 30.
	Descend over rough and broken slope of ridge, through a scattering undergrowth of sagebrush.
19.00	Ravine, 60 ft. below sec. cor., course SE.; ascend along rough and broken slope of ridge facing W.
40.00	On rough slope, 90 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S25 | S30 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
55.00	Top of ascent, 190 ft. above ¼ sec. cor., slopes W.; descend gradually along rough slope.
70.00	Foot of descent, 130 ft. below top, drains W.; ascend.
80.00	On rough slope facing W., 25 ft. above foot of descent.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 19, 24, 25 and 30, with brass cap marked
	T 5 S R20E | R21E S24 | S19 S25 | S30 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rough and broken slopes of hills.
	Soil, sandy and rocky loam on rocky subsoil. Sandstone formation.
	Medium growth of sagebrush. No timber.

WEST BOUNDARY OF T. 5 S., R. 21 E.

Chains	
	North bet. secs. 19 and 24.
	Ascend gradually along rough slope facing W., through scattering undergrowth of sagebrush.
10.00	Top of ascent, 130 ft. above sec. cor., slopes W.; desc.
34.00	Road, brs. N.30°E., and S.30°W.; Vernal to Ft. Duchesne.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S24 | S19 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
41.00	Wash, 1 ch. wide, 4 ft. deep, in canyon 210 ft. below top of ascent, course S.30°W.; ascend along rough slope of ridge facing E.
56.00	Top of ascent, 140 ft. above wash, slopes E.; descend gradually along broken slope.
80.00	On rough slope facing E.; 20 ft. below top of ascent.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 13, 18, 19 and 24, with brass cap marked
	T 5 S R20E | R21E S13 | S18 S24 | S19 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rough and broken hills.
	Soil, sandy and rocky loam on rocky subsoil.
	Scattering undergrowth of sagebrush. No timber.
	North bet. secs. 13 and 18.
	Ascend along rough slope facing E., through scattering undergrowth of sagebrush.
2.50	Top of ascent, 40 ft. above sec. cor., slopes E.; desc.
23.00	Foot of ridge, 110 ft. below top of ascent, brs. NW. and SE.; thence over rolling land.

Chains	
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S13 | S18 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Descend into ravine, brs. E. and W.
44.25	Ravine, 50 ft. below ¼ sec. cor., course SW.; ascend.
77.50	Top of ascent, 35 ft. above ravine, slopes W.; descend.
79.00	Wash, 30 lks. wide, 2 ft. deep, 20 ft. below top of ascent, course SW.; ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 7, 12, 13 and 18, with brass cap marked T 5 S R20E | R21E S12 | S 7 S13 | S18 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling and broken hills. Drainage SW.
	Soil, sandy and rocky loam on rocky subsoil. Sandstone formation.
	Scattering undergrowth of sagebrush. No timber.

	North bet. secs. 7 and 12.
	Ascend over rolling land, broken by small ravine and washes, through scattering sagebrush undergrowth and very scattering cedar and pinon timber.
10.00	Top of ascent, 50 ft. above sec. cor., slopes W.; thence over rolling land draining W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S12 | S 7 1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
47.50	Wash, 20 lks. wide, 3 ft. deep, course SW.
56.00	Foot of spur, brs. E. and W.; ascend.
65.00	Top of rocky spur, 80 ft. above foot, projects W.; desc.
70.00	Foot of spur, 35 ft. below top, brs. E. and W.; thence over rolling land.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock and 20 ins. in a mound of stone for the cor. of secs. 1, 6, 7 and 12, with brass cap marked

T 5 S
R20E | R21E
S 1 | S 6
S12 | S 7

1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling and broken. Drainage SW.
	Soil, shallow sandy and rocky loam on rocky subsoil.
	Scattering undergrowth of sagebrush.
	Timber, very scattering scrub cedar and pinon.

	North bet. secs. 1 and 6.
	Over rolling land, through a scattering undergrowth of sagebrush.
10.00	Ascend over rough slope over rolling hills, brs. NE. and SW.
36.00	Top of rolling ridge, 190 ft. above sec. cor., brs. NW. and SE.; thence over rolling ridge.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

¼
S1 | S6

1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
41.25	Head of ravine, course SW.
53.75	Descend into ravine, brs, NE. and SW.
58.75	Ravine, 40 ft. below top, course SW.; ascend.

Chains	
78.43	The cor. of Ts. 4 and 5 S., Rs. 20 and 21 E., 135 ft. above ravine.
	Land, rolling hills. Drainage SW.
	Soil, sandy and rocky loam on rocky subsoil.
	Scattering undergrowth of sagebrush. No timber.

SUBDIVISION OF T. 5 S., R. 21 E.

From the ¼ sec. cor. on S. bdy. of sec. 14.

West bet. secs. 14 and 23 on blank line.

40.00 Set temp. cor. for secs. 14, and 15. Thence

North bet. secs. 14 and 15, and at

39.24 Fall 129 lks. E. of the ¼ sec. cor. bet. secs. 14 and 15.

Thence from ¼ sec. cor.

South bet. secs. 14 and 15 on true line.

Over rolling bottom of ravine, through a medium undergrowth of sagebrush.

2.00 Wash, 20 lks. wide, 3 ft. deep, course E.

20.00 Ascend over rolling hill, brs. E. and W.

32.50 Spur, 200 ft. above ravine, projects E.; descend.

39.24 On broken slope, 75 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 14, and 15, with brass cap marked

T5S	R21E
S15	S14

1920

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

Land, rolling hills, draining E.

Soil, sandy and rocky loam on clay and rocky subsoil.

Medium undergrowth of sagebrush. No timber.

East along S. bdy. of secs 14.

Descend over rolling hills, through a medium undergrowth of sagebrush.

Chains	
4.30	Ravine, 20 ft. below sec. cor., course N.75°E.; ascend.
10.00	Top of ascent, 30 ft. above ravine, slopes NE.; descend gradually over rolling land.
36.60	Point 40.00 chs. easting from the closing cor. of secs. 22 and 23.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on N. bdy. sec. 23, with brass cap marked
	¼ S 23
	1920
	Raise a mound of of stone, 2 ft. base, 1½ ft. high S. of cor.
41.29	The ¼ sec. cor. on S. bdy. of sec. 14.
	Land, rolling and rolling hills.
	Soil, sandy and rocky loam on rocky subsoil.
	Medium undergrowth of sagebrush. No timber.
	From the cor. of secs. 14 and 15.
	West along S. bdy. of sec. 15.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. for secs. 15 and 16. Thence
	North bet. secs. 15 and 16, and at
39.25	Fall 122 lks. E. of the ¼ sec. cor. bet. secs. 15 and 16.
	From the ¼ sec. cor. bet. secs. 15 and 16
	South bet. secs. 15 and 16 on true line.
	Descend over rolling hills, through a medium undergrowth of sagebrush.
1.50	Ravine, 50 ft. below ¼ sec. cor., course SW.; ascend.
4.00	Spur, 30 ft. above ravine, projects SW.; descend.
7.30	Ravine, 50 ft. below spur, course SW.; ascend.
10.00	Spur, 50 ft. above ravine, projects SW.; descend.
14.30	Ravine, 85 ft. below spur, course SW.; ascend.
17.75	Spur, 30 ft. above ravine, projects SW.; descend.
38.25	Ravine, 140 ft. below spur, course SW.; ascend.
39.25	Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in

Chains	
	the ground to solid rock and 10 ins. in a mound of stone for the cor. of secs. 15 and 16, with brass cap marked T5S | R21E S16 | S15 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Land, rolling hills. Drainage SW. Soil, rocky and sandy loam on rocky subsoil. Medium undergrowth of sagebrush. No timber.
	East along S. bdy. of sec. 15. Ascend over rolling hills, through a medium undergrowth of sagebrush.
29.00	Ridge, 200 ft. above sec. cor., brs. N. and S.; descend.
34.75	Ravine, 115 ft. below ridge, course S.15°E.; ascend.
37.78	Point mid-way bet. the closing cor. of secs. 21 and 22, and the closing cor. of secs. 22 and 23. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on N. bdy. of sec. 22, with brass cap marked ¼ S 22 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
40.61	On top of ascent, 80 ft. above ravine, slopes S. Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on S. bdy. of sec. 15, with brass cap marked ¼ S 15 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Descend.
50.45	Ravine, 20 ft. below ¼ sec. cor., course SW.; ascend.
53.00	Ridge and main divide, 85 ft. above ravine, brs. NW. and SE.; descend over broken slope.

Chains	
77.82	Point for closing cor. of secs. 22 and 23.
81.22	The cor. of secs. 14 and 15, 650 ft. below ridge.
	Land, rolling hills. Drainage S.
	Soil, rocky and sandy loam, on rocky subsoil.
	Medium growth of sagebrush. No timber.

	From the ¼ sec. cor. bet. secs. 9 and 16.
	West bet. secs. 9 and 16 on blank line.
40.00	Set temp. cor. of secs. 9 and 16. Thence
	North along W. bdy. of sec. 9.
40.00	Set temp. ¼ sec. cor.
80.28	Fall 129 lks. E. of the cor. of secs. 4 and 9.
	From the cor. of secs. 4 and 9.
	South along W. bdy. of sec. 9 on true line.
	Descend over rolling hills, through a medium undergrowth of sagebrush and scattering cedar and pinon.
5.40	Ravine, 35 ft. below sec. cor., course SW.; ascend.
23.00	Spur, 60 ft. above ravine, projects W.; descend.
31.50	Ravine, 125 ft. below spur, course SW.; ascend.
35.00	Top of ascent, 20 ft. above ravine, slopes SW.; descend.
39.38	Point 40.00 chs. northing from cor. of secs. 8 and 17.
	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid rock and 16 ins. in a mound of stone, for ¼ sec. cor., on E. bdy. of sec. 8, with brass cap marked
	¼ / S 8 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
40.14	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 ¼ sec. cor., on W. bdy. of sec. 9, with brass cap marked
	¼ / S 9 / 1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
49.50	Ravine, 50 ft. below top of ascent, course S.75°W.; ascend
52.00	Top of ascent, 30 ft. above ravine, slopes W.; descend.
69.00	Wash, 20 ft. below top of ascent, 30 lks. wide, 2 ft. deep, course W.; thence over rolling land.
74.50	Road, brs. E. and W.
79.38	Point 80.00 chs. northing from the cor. of secs. 20 and 21
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 8 and 17, with brass cap marked

T5S
S 8 | S17
R21E
1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
80.28	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 9 and 16, with brass cap marked

T5S
S 9 | S16
R21E
1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
	Land, rolling hills. Drainage W.
	Soil, sand, clay and rocky loam, on rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, a few scattering scrub cedar and pinon.

	East bet. secs. 9 and 16.
	Ascend over rolling hills, through a medium undergrowth of sagebrush.
10.00	Top of ascent, 95 ft. above sec. cor., slopes N.; desc.
15.70	Road, brs. SW. and NE.
16.25	Ravine, 20 ft. below top of ascent, course N.; ascend.
41.29	The ¼ sec. cor. bet. secs. 9 and 16, 220 ft. above ravine
	Land, rolling hills.

Chains	
	Soil, rocky and sandy loam, on rocky subsoil.
	Medium undergrowth of sagebrush. No timber.
	From the stan. cor. of secs. 31 and 32.
	N.0° 01'E. bet. secs. 31 and 32.
	Ascend over rough and broken hills, through a scattering undergrowth of sagebrush.
6.50	Top of ascent, on rocky point, 160 ft. above sec. cor., slopes SE.; descend.
12.00	Foot of descent, 30 ft. below top of ascent, drains E.; ascend.
21.50	Ridge, 50 ft. above foot of descent, brs. E. and W.; abrupt descent.
37.00	Wash, 160 ft. below ridge, 20 lks. wide, 2 ft. deep, course W.; ascend.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S31 | S32 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
42.00	Top of ascent, 30 ft. above wash, slopes W.; descend gradually over broken surface.
62.00	Wash, 20 lks. wide, 3 ft. deep, 25 ft. below top of ascent course W.; ascend gradually.
80.00	65 ft. above wash, on slope of spur.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 29, 30, 31 and 32, with brass cap marked
	T5S R21E S30 | S29 S31 | S32 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling and rough hills. Drainage W.
	Soil, rocky and sandy loam, on rocky subsoil.

Chains	
	Medium undergrowth of sagebrush. No timber.
	N.89° 55'W., on random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect W. bdy. of Tp., 7 lks. N. of the cor. of secs. 25, 30, 31 and 36.
	S.89° 58'E., on true line bet. secs. 30 and 31.
	Descend over broken hills, through a medium undergrowth of sagebrush.
21.00	Ravine, 40 ft. below sec. cor., course S.; ascend.
26.00	Spur, 70 ft. above ravine, projects S.; descend.
30.00	Foot of spur, 70 ft. below top, brs. NE. and S.; thence over rolling land.
39.97	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked $\frac{S\ 30}{\frac{1}{4}\ S\ 31}$ 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
45.00	Ascend over rough slope of ridge, brs. N70°W., and S.
61.50	Top of ascent on S. side of low pass, 70 ft. above foot, brs. N. and S.; descend.
73.75	Wash, 95 ft. below top of ascent, 30 lks. wide, 3 ft. deep, course S.; ascend.
74.00	Old road, brs. N. and S.
79.94	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling and broken hills, draining S.
	Soil, sandy and rocky loam on rocky subsoil.
	Medium undergrowth of sagebrush. No timber.
	N.0° 01'E. bet. secs. 29 and 30.
	Ascend over rolling land, through a medium undergrowth of sagebrush and shadscale.
2.50	Top of ascent, 15 ft. above sec. cor., slopes W.; descend gradually.

Chains	
15.25	Wash, 20 ft. below top of ascent, 30 lks. wide, 4 ft. deep, course S.10°W., from the N.; and road, brs. NE. and SW.; thence along wash.
25.00	Leave wash, drains from the NE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S30 | S29 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 19, 20, 29 and 30, with brass cap marked T5S | R21E S19 | S20 S30 | S29 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling. Drainage S.
	Soil, sandy loam on subsoil of hard clay and rocks.
	Medium undergrowth of sagebrush and shadscale. No timber.
	N.89° 58'W., on random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect W. bdy. of Tp., 7 lks. N. of the cor. of secs. 19, 24, 25 and 30.
	N.89° 59'E., on true line bet. secs. 19 and 30.
	Ascend over rough and broken hills, through a medium undergrowth of sagebrush and shadscale.
5.00	Top of ridge, 120 ft. above sec. cor., brs. N. and S.; thence over rolling top of ridge,
13.00	Abrupt descent over broken slope of ridge, brs. N. and S.
31.00	Wash, 30 lks. wide, 2 ft. deep, 200 ft. below ridge, course S.; ascend.
40.02	25 ft. above wash on broken slope of ridge.

Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 19 / S 30 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
46.00	Top of ascent, on rocky point of ridge, 125 ft. above ¼ sec. cor., slopes N.; descend.
55.00	Foot of ridge, 100 ft. below top of ascent, brs. N. and S., thence over rolling land.
80.04	The cor. of secs. 19, 20, 29 and 30.
	Land, rough and broken hills on W. 55.00 chs., and rolling on E. 25.04 chs. Drainage S.
	Soil, rocky and sandy loam on rocky subsoil on W. 55.00 chs., and sandy loam on E. 25.04 chs.
	Medium undergrowth of sagebrush and shadscale. No timber.
	N.0° 01'E., bet. secs. 19 and 20.
	Over rolling land, through a medium undergrowth of sagebrush and shadscale.
5.00	Descend from bench, brs. E. and W.
10.00	Foot of descent, 20 ft. below top, brs. E. and W.; thence over rolling land.
23.75	Wash, 10 lks. wide, 2 ft. deep, course W.
38.50	Wash, 20 lks. wide, 2½ ft. deep, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ / S19 | S20 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
50.00	Old road, brs. N.10°W., and S.10°E.
70.00	Ascend gradually over rolling spur, brs. E. and NW.
80.00	30 ft. above foot of spur on rolling slope.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in

Chains	
	the ground for the cor. of secs. 17, 18, 19 and 20, with brass cap marked T5S | R21E S18 | S17 S19 | S20 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling. Drainage SW.
	Soil, sandy and clay loam, on hard clay subsoil, and gravel subsoil on N. 10.00 chs.
	Medium undergrowth of sagebrush and shadscale. No timber.

	S.89° 59'W., on random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect W. bdy. of Tp., 7 lks. N. of the cor. of secs. 13, 18, 19 and 24.
	N.89° 56'E. on true line bet. secs. 18 and 19.
	Descend over rolling and broken hills, through a medium undergrowth of sagebrush.
20.00	Wash, 50 lks. wide, 3 ft. deep, 90 ft. below sec. cor., course S.10°W.; ascend.
25.00	Road, brs. N.10°E., and S.10°W.; Vernal, Ut. to Ft. Duchesne.
35.00	Top of rocky ridge, 60 ft. above wash, brs. N. and S.; thence over rolling top of ridge.
39.98	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S 18 S 19 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
50.00	Descend from ridge, brs. N. and S.
52.00	Foot of ridge, 40 ft. below top, brs. N. and S.; thence over rolling land,
62.00	Wash, 20 lks. wide, 3 ft. deep, course S.10°W.; ascend gradually.

Chains	
70.00	Top of rolling spur, 30 ft. above wash, projects SW.; descend.
78.00	Wash, 15 ft. below spur, course S.; ascend.
78.25	Road, brs. N. and S.
79.96	The cor. of secs. 17, 18, 19 and 20.
	Land, rolling and broken hills. Drainage S.
	Soil, rocky and sandy loam on clay and rocky subsoil.
	Medium undergrowth of sagebrush. No timber.

N.0° 01'E., bet. secs. 17 and 18.

Ascend over rolling land, through a medium undergrowth of sagebrush and shadscale.

10.00	Top of rolling spur, 35 ft. above sec. cor., projects W. descend.
15.00	Foot of spur, 20 ft. below top, brs. E. and W.; thence over rolling land.
23.10	Wash, 10 lks. wide, 2 ft. deep, course SW.;
37.00	Road, brs. N.10°E., and S.10°W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

S18 | S17

1920

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

59.80	Wash, 10 lks. wide, 2 ft. deep, course W.
74.70	Wash, 10 lks. wide, 1 ft. deep, course SW.
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 marked

T5S R21E

S 7 | S 8

S 18 | S17

1920

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

Land, rolling. Drainage SW.

Soil, clay and sandy loam, on subsoil of hard clay.

Chains	
	Medium undergrowth of sagebrush and shadscale. No timber.
	S.89° 56'W. on random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect W. bdy. of Tp., 14 lks. N. of the cor. of secs. 7, 12, 13 and 18.
	N.89° 50'E. on true line bet. secs. 7 and 18.
	Descend over rolling hills, through a medium undergrowth of sagebrush and scattering cedar and pinon timber.
1.00	Wash, 30 lks. wide, 2 ft. deep, 20 ft. below sec. cor., course SW.; ascend gradually over broken surface.
38.00	Top of ascent, 90 ft. above wash, slopes SW.; descend.
39.75	Wash, 30 ft. below top of ascent, 20 lks. wide, 3 ft. deep, course SW.; ascend.
39.98	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S 7 / S 18 / 1920
	From which
	A cedar, 6 ins. diam., bears S.45°30'W., 58 lks. dist., marked ¼ S 18 B T.
	No other suitable bearing trees available. Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
41.00	Spur, 40 ft. above wash, slopes S.; descend
45.80	Head of ravine, 20 ft. below spur, course S.; ascend.
52.00	Rocky ridge, 30 ft. above ravine, brs. N. and S.; desc.
62.40	Road, brs. N.10°E., and S.10°W., Vernal, Ut. to Fort Duchesne.
65.40	Ravine, 100 ft. below ridge, course S.10°W.; ascend.
66.50	Spur, 30 ft. above ravine, slopes S.; descend.
70.00	Foot of spur, 30 ft. below top, brs. N. and S.; thence over rolling land.
74.50	Road, brs. NE. and SW.
75.00	Wash, 20 lks. wide, 2 ft. deep, course SW.

Chains	
79.96	The cor. of secs. 7, 8, 17 and 18.
	Land, rolling and broken hills. Drainage SW.
	Soil, sandy, clay and rocky loam on rocky subsoil.
	Undergrowth, medium growth of sagebrush.
	Timber, scattering scrub cedar and pinon.
	N.89° 59'E., on random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.90	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 8 and 17.
	S.89° 57'W., on true line bet. secs. 8 and 17.
	Over rolling land, through a medium undergrowth of sagebrush and shadscale.
11.60	Wash, 40 lks. wide, 4 ft. deep, course SW.; ascend gradually.
39.00	Low ridge, 50 ft. above wash, brs. N. and S.; descend gradually.
40.90	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S 8 / S 17 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
41.90	Wash, 20 lks. wide, 3 ft. deep, 25 ft. below ridge, course SW.; thence over rolling land.
73.40	Road, brs. N. and S.
75.90	Wash, 15 lks. wide, 2 ft. deep, course SW.
80.90	The cor. of secs. 7, 8, 17 and 18.
	Land, rolling. Drainage SW.
	Soil, sandy and clay loam on hard clay subsoil.
	Medium undergrowth of sagebrush. No timber.
	N.0° 01'E., bet. secs. 7 and 8.
	Over rolling land, through a medium undergrowth of sagebrush and shadscale.

Chains	
6.40	Road, brs. NE. and SW.
18.70	Wash, 10 lks. wide, 2 ft. deep, course SW.
25.00	Ascend over rolling hills, brs. NE. and SW.
30.00	Low ridge, 40 ft. above foot, brs. NE. and SW.; descend.
34.00	Foot of ridge, 45 ft. below top, brs. NE. and SW.; thence over rolling land.
34.90	Telephone line, brs. N.10°E., and S.10°W.
38.00	Wash, 40 lks. wide, 4 ft. deep, course S.10°W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S7 | S8 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
43.30	Road, brs. N.10°E., and S.10°W., Vernal, Ut. to Fort Duchesne.
45.00	Ascend gradually over rolling hills, brs. N.10°E., and S.10°W.
49.00	Spur, 65 ft. high, projects S.15°W.; descend.
64.75	Ravine, 40 ft. below spur, course S.15°W.; thence along ravine.
77.00	Ascend from ravine, drains from the NW.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 5, 6, 7 and 8, with brass cap marked
	T5S | R21E S 6 | S 5 S 7 | S 8 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling and rolling hills. Drainage S.
	Soil, sandy and clay loam on S. 25.00 chs., and rocky and clay loam on rocky subsoil on N. 55.00 chs.
	Medium undergrowth of sagebrush and shadscale.
	No timber.

Chains	
	S.89° 50'W. on random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect the W. bdy. of Tp. at the cor. of secs. 1, 6, 7 and 12.
	N.89° 50'E., on true line bet. secs. 6 and 7.
	Ascend over rough and broken hills, through a scattering undergrowth of sagebrush and very scattering scrub cedar and pinon.
10.00	Point of spur, 90 ft. above sec. cor., slopes S.; desc.
12.70	Ravine, 65 ft. below spur, course S.15°E.; ascend.
16.50	Top of ravine, 100 ft. above bottom, brs. S.15°W., and N.15°E.; ascend gradually over broken surface.
33.50	Top of ridge, 30 ft. above top of ravine, brs. N. and S. descend.
37.25	Ravine, 80 ft. below ridge, course S.; ascend.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 6 / S 7 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
42.00	Spur, 80 ft. above ravine, projects S.; descend.
67.45	Ravine, 170 ft. below spur, course S.; ascend.
79.98	The cor. of secs. 5, 6, 7 and 8 30 ft. above ravine.
	Land rolling and broken hills. Drainage S.
	Soil, sandy and rocky loam on rocky subsoil.
	Undergrowth, scattering sagebrush.
	Timber, very scattering scrub cedar and pinon.
	N.89° 57'E. on random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.97	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 5 and 8.
	N.89° 58'W. on true line bet. secs. 5 and 8.
	Descend over rolling hills, through a medium undergrowth

Chains	
	of sagebrush and very scattering cedar and pinon.
9.40	Ravine, 60 ft. below sec. cor., course SW.; ascend.
14.00	Ridge, 50 ft. above ravine, brs. N. and S.; descend.
/40.97	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 5 / S 8 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
42.00	Ravine, 240 ft. below ridge, course S.75°W.; ascend.
53.00	Spur, 40 ft. above ravine, slopes S.75°W.; descend.
61.00	Road, brs. N.10°E., and S.10°W.; Vernal, Ut. to Fort Duchesne.
62.10	Telephone line, brs. N.10°E., and S.10°W.
62.50	Ravine, 80 ft. below spur, course S.10°W.; ascend.
69.00	Spur, 90 ft. above ravine, slopes S.10°W.; descend.
/80.97	The cor. of secs. 5, 6, 7, and 8, 20 ft. below spur.
	Land, rolling hills.
	Soil, sandy, clay and rocky loam on hard clay and rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, very scattering scrub cedar and pinon.
	N.0° 01'E., on random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
/79.06	Intersect N. bdy. of Tp., 7 lks. W. of the cor. of secs. 5 and 6.
	S.0° 04'W., on true line bet. secs. 5 and 6.
	Descend over rolling hills along slope of ridge, through a medium undergrowth of sagebrush and a few scattering scrub cedar and pinon.
39.06	On rolling slope of ridge, 215 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ / S 6 | S 5 / 1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
79.06	The cor. of secs. 5, 6, 7, and 8, on rolling slope of ridge, 140 ft. below ¼ sec. cor.
	Land, rolling hills.
	Soil, sandy, clay and rocky loam on hard clay and rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, few scattering scrub cedar and pinon.
	From the cor. of secs. 29, 30, 31 and 32.
	N.89° 52'E., bet. secs. 29 and 32 on governing sec. line.
	Over low rolling low hills, through a medium undergrowth of sagebrush. Ascend gradually.
9.00	Top of sandstone spur, 110 ft. above sec. cor., projects S.; descend.
14.00	Foot of spur, 80 ft. below top, brs. N. and S.; thence over rolling land.
27.10	Wash, 20 lks. wide, 3 ft. deep, course S.30°W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S 29 / S 32
1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Ascend over rolling ridge, brs. NW. and SE.
58.00	Top of ridge, 50 ft. above ¼ sec. cor., brs. N. and S.; descend.
62.85	Wash, 20 ft. below ridge, 20 lks. wide, 2 ft. deep, course S.10°W.; ascend gradually.
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 marked

T5S. R21E
S29 | S28
S32 | S33

1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling and rolling hills, draining SW.
	Soil, sandy, clay and rocky loam on hard clay and rocky subsoil.
	Medium undergrowth of sagebrush. No timber.

	S.0° 01'W., on random line bet. secs. 32 and 33.
40.00	Set temp. ¼ sec. cor.
80.77	Intersect First Stan Par. S., 7 lks. E. of the stan. cor. cor. of secs. 32 and 33.
	N.0° 04'E., on true line bet. secs. 32 and 33.
	Descend gradually over rolling hills, through a medium undergrowth of sagebrush.
21.25	Ravine, 50 ft. below sec. cor., course W.; ascend
39.00	Point of spur, 30 ft. above ravine, slopes W.; descend.
40.77	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S32 | S33 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
51.00	Foot of spur, 90 ft. below top, brs. E. and W.; thence over rolling land, surface broken by small washes.
55.50	Wash, 1 ch. wide, 4 ft. deep, course S.75°W.
60.20	Wash, 50 lks. wide, 3 ft. deep, course SW.
76.10	Wash, 40 lks. wide, 3 ft. deep, course S.30°W.
80.77	The cor. of secs. 28, 29, 32 and 33.
	Land, rolling hills on S. 51.00 chs., and rolling on remaining portion of mile.
	Soil, clay and rocky loam on hard clay and rocky subsoil.
	Medium undergrowth of sagebrush. No timber.

	N.0° 01'E., bet. secs. 28 and 29.
	Over rolling land, through a medium growth of sagebrush.

Chains	
5.50	Old road, brs. NW. and SE.
14.60	Wash, 20 lks. wide, 2 ft. deep, course S.25°W.
29.00	Wash, 30 lks. wide, 2 ft. deep, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S29 | S28

1920

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

Ascend over rolling hills, brs. W. and SE.

41.90	Spur, 50 ft. above ¼ sec. cor., projects W.; descend.
49.50	Ravine, 60 ft. below spur, course S.75°W.; ascend.
67.00	Spur, 50 ft. above ravine, projects W.; descend over broken slope.
80.00	30 ft. below spur.

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

T5S | R21E
S20 | S21
S29 | S28

1920

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

Land, of the S. half mile rolling, and of the N. half mile broken hills.

Soil, clay and rocky loam on hard clay and rocky subsoil

Medium undergrowth of sagebrush. No timber.

S.89° 52'W., on random line bet. secs. 20 and 29.

40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line, 7 lks. S. of the cor. of secs. 19, 20, 29 and 30.

N.89° 55'E., on true line bet. secs. 20 and 29.

Over rolling land, through a medium growth of sagebrush.

1.90	Old road, brs. N. and S.

Chains	
30.00	Ascend gradually over rolling ridge, brs. SW. and NE.
35.00	Top of ridge, 30 ft. high, brs. NE. and SW.; descend.
39.96	At foot of ridge, 20 ft. below top, brs. NE. and SW.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 20 / S 29 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Thence over rolling land.
60.00	Ascend over rolling hills, brs. N. and S.
79.92	The cor. of secs. 20, 21, 28 and 29, on rolling slope, 100 ft. above foot.
	Land, rolling and rolling hills.
	Soil, clay and gravel, on hard clay subsoil.
	Medium growth of sagebrush. No timber.

	N.0° 01'E. bet. secs. 20 and 21.
	Descend over rolling hills, through a medium growth of sagebrush.
15.00	Ravine, 25 ft. below sec. cor., course S.30°W., ascend.
35.75	Spur, 100 ft. above ravine, projects SW.; descend.
39.25	Ravine, 65 ft. below spur, course S.60°W.; ascend.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S20 | S21 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
45.00	Spur, 115 ft. above ravine, slopes W.; descend.
63.25	Ravine, 75 ft. below spur, course SW.; ascend.
80.00	On rolling slope of ridge, 50 ft. above ravine.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 20 and 21, with brass cap marked

Chains	
	S20 | S21 T5S | R21E 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
	Land, rolling hills. Drainage SW.
	Soil, clay and rocky, on hard clay and rocky subsoil.
	Medium growth of sagebrush. No timber.
	S.89° 55'W., on random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 17, 18, 19 and 20.
	N.89° 59'E., on true line bet. secs. 17 and 20.
	Ascend over rolling hills, through a medium growth of sagebrush, and very scattering growth of cedar and pinon.
9.00	Top of spur, 30 ft. above sec. cor., projects SW.; desc.
21.30	Ravine, 50 ft. below spur, course SW.; ascend.
28.50	Spur, 50 ft. above ravine, slopes SW.; old road along spur. brs. NE. and SW.; descend.
32.00	Ravine, 20 ft. below spur, course SW.; ascend over rolling slope broken by small washes.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S 17 / S 20 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
80.00	The cor. of secs. 20 and 21, on rolling slope 160 ft. above ¼ sec. cor.
	Land, rolling hills. Drainage SW.
	Soil, sandy and rocky loam on rocky subsoil.
	Medium growth of sagebrush.
	Timber, very scattering scrub cedar and pinon.

Chains	
	East along N. bdy. of sec. 21 on random line.
40.00	Set temp. ¼ sec. cor.
82.29	Fall 11 lks. N. of the cor. of secs. 15 and 16.
	N.89° 55'W., along S. bdy. of sec. 16 on true line.
	Descend over rolling hills, through a medium undergrowth of sagebrush and very scattering scrub cedar and pinon.
1.75	Ravine, 20 ft. below sec. cor., course SW.; ascend.
2.26	Point for closing cor. of secs. 21 and 22 hereinafter described.
6.00	Spur, 60 ft. above ravine, projects SW.; descend.
10.50	Ravine, 100 ft. below spur, course SW.; ascend.
18.75	Spur, 60 ft. above ravine, projects SW.; descend.
23.75	Ravine, 90 ft. below spur, course SW.; ascend.
27.00	Spur, 50 ft. above ravine, slopes SW.; descend.
35.00	Ravine, 80 ft. below spur, course SW.; ascend.
37.00	Spur, 30 ft. above ravine, projects SW.; descend.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on S. bdy. of sec. 16, with brass cap marked ¼ S 16 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
42.28	Point mid-way bet. the cor. of secs. 20 and 21, and the closing cor. of secs. 21 and 22.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on N. bdy. sec. 21, with brass cap marked ¼ S 21 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
42.80	Ravine, 60 ft. below spur, course SW.; ascend.
47.00	Spur, 30 ft. above ravine, slopes SW.; descend.
50.25	Ravine, 60 ft. below spur, course SW.; ascend.
52.00	Spur, 30 ft. above ravine, slopes SW.; descend.

Chains	
55.75	Ravine, 45 ft. below spur, course SW.; ascend.
64.00	Top of ascent, 45 ft. above ravine, slopes S.; descend.
82.29	The cor. of secs. 20 and 21, on rolling slope facing W.; 160 ft. below top of ascent.
	Land, rolling hills. Drainage SW.
	Soil, clay and rocky loam, on rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, very scattering scrub cedar and pinon.

	From the cor. of secs. 9 and 16.
	South along W. bdy. of sec. 16 on random line.
40.00	Set temp. ¼ sec. cor.
79.10	Intersect E. and W. line, 95 lks. S.89° 55'E. of the cor. of secs. 20 and 21. At point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 16 and 17, with brass cap marked
	T5S | R21E S17 | S16 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Thence
	North bet. secs. 16 and 17 on true line.
	Over rolling hills, on level line along slope facing W., through a scattering undergrowth of sagebrush and a scattering growth of scrub cedar and pinon.
35.50	Descend into ravine, brs. NE. and SW.
38.00	Ravine, 25 ft. below top, course SW.; ascend.
39.10	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on W. bdy. of sec. 16, with brass cap marked
	¼ S 16 1920
	From which

Chains	
	A cedar, 6 ins. diam., bears S.15°E., 27 lks. dist. marked ¼ S 16 B T.
	No other suitable bearing tree available. Raise a mound of stone, 2 ft. base, 1½ ft. high E. of cor.
40.00	Point 40.00 chs. northing from the cor. of secs. 16 and 17.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., on E. bdy. of sec. 17, with brass cap marked
	¼ S17 | 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	No suitable bearing trees available.
42.50	Spur, 50 ft. above ravine, projects S.60°W.; leave timber, brs. N.60°E., and S.60°W.; descend.
59.00	Foot of spur, 110 ft. below top, brs. NE. and SW.; thence over rolling land.
59.50	Old road, brs. NE. and SW.
79.10	The cor. of secs. 9 and 16.
	Land, rolling hills, draining SW.
	Soil, sandy, clay and rocky, on rocky subsoil.
	Scattering undergrowth of sagebrush.
	Timber, scattering scrub cedar and pinon on S. 42.50 chs.

	From the cor. of secs. 28, 29, 32 and 33.
	N.89° 52'E., bet. secs. 28 and 33 on governing sec. line.
	Over rolling land, through a medium growth of sagebrush.
6.30	Old road, brs. NW. and SE.
15.00	Wash, 20 lks. wide, 2 ft. deep, course SW.
31.00	Wash, 30 lks. wide, 2 ft. deep, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 28 / S 33
	1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Ascend over bench, brs. N. and S.
47.00	Top of bench, 70 ft. above ¼ sec. cor., brs. N. and S.; thence over rolling bench land.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 27, 28, 33 and 34, with brass cap marked

T5S	R21E
S28	S27
S33	S34

1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling.
	Soil, sandy and clay loam on hard clay subsoil.
	Medium growth of sagebrush. No timber.

	S.0° 04'W., on random line bet. secs. 33 and 34.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect First Stan. Par. S., 5 lks. W. of the stan. cor. of secs. 33 and 34.
	N.0° 02'E., on true line bet. secs. 33 and 34.
	Over rolling bench land, through a medium growth of sagebrush.
40.20	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S33	S34

1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
43.00	Wash, 30 lks. wide, 2 ft. deep, course SW.
77.00	Wash. 10 lks. wide, 2 ft. deep, course S.20°W.
80.20	The cor. of secs. 27, 28, 33 and 34.
	Land, rolling bench.
	Soil, sandy loam on clay subsoil.
	Medium growth of sagebrush. No timber.

Chains	
	N.0° 02'E., bet. secs. 27 and 28.
	Over rolling bench land, through a medium growth of sagebrush.
10.00	Wash, 20 lks. wide, 2 ft. deep, course S15°E.
39.70	Wash, 30 lks. wide, 2 ft. deep, course SW.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S28 | S27 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Ascend gradually over rolling bench land.
59.20	Wash, 20 lks. wide, 2 ft. deep, course S.20°W.
74.15	Wash, 20 lks. wide, 2 ft. deep, course SW.; ascend.
80.00	On rolling spur, 40 ft. above wash, and 150 ft. above ¼ sec. cor., projects SW.
	Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to solid rock and 10 ins. in a mound of stone, for the cor. of secs. 21, 22, 27 and 28, with brass cap marked
	T5S | R21E S21 | S22 S28 | S27 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling bench. Drainage SW.
	Soil, clay and gravel, on hard clay and gravel subsoil.
	Medium growth of sagebrush. No timber.

	S.89° 52'W. on random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line, 3 lks. S. of the cor. of secs. 20, 21, 28 and 29.
	N.89° 53'E., on true line bet. secs. 21 and 28.
	Ascend over broken slope of bench, through a medium growth of sagebrush.

Chains	
10.00	Top of bench, 135 ft. above sec. cor., brs. N. and S.; descend gradually over rolling bench land.
18.00	Wash, 40 ft. below top of bench, 10 lks. wide, 1 ft. deep, course S.15°E.
29.70	Wash, 15 lks. wide, 2 ft. deep, course S.15°W.; ascend gradually.
39.98	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S 21 / S 28 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
72.00	Top of ascent, 100 ft. above wash, slopes S.; descend.
76.85	Wash, 15 lks. wide, 2 ft. deep, 25 ft. below top of ascent, course S.; ascend.
79.96	The cor. of secs. 21, 22, 27 and 28, 50 ft. above wash. Land, broken slope and rolling bench land. Drainage S. Soil, clay and gravel. Medium growth of sagebrush. No timber.

	N.0° 02'E. bet. secs. 21 and 22 on random line.
40.00	Set temp. ¼ sec. cor.
79.68	Intersect S. bdy. of sec. 16, N.89° 55'W., 2.26 chs. dist. from the cor. of secs. 15 and 16. At intersection Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for closing cor. of secs. 21 and 22, with brass cap marked S 16 S21 | S22 T5S | R21E CC 1920 Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor. S.0° 02'W., bet. secs. 21 and 22 on true line. Descend over rolling hills, through a medium undergrowth of sagebrush and very scattering cedar and pinon.

Chains	
5.00	Ravine, 20 ft. below sec. cor., course SW.; ascend.
14.00	Spur, 60 ft. above ravine, projects SW.; descend.
19.80	Ravine, 80 ft. below spur, course SW.; ascend.
24.00	Spur, 110 ft. above ravine, projects SW.; descend.
31.60	Ravine, 90 ft. below spur, course S.60°W.; ascend.
38.00	Top of ridge, 110 ft. above ravine, brs. E. and W.; desc
39.84	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S21 | S22 1920 From which: A cedar, 8 ins. diam., bears N.14°15'E., 81 lks. dist., marked ¼ S 22 B.T. A cedar, 6 ins. diam., bears S.76°30'W., 54 lks. dist., marked ¼ S 21 B T. Leave timber. brs. E. and W.
48.70	Ravine, 90 ft. below ridge, course SW.; ascend.
51.00	Spur, 50 ft. above ravine, projects SW.; descend.
58.40	Ravine, 100 ft. below spur, course S.20°W.; ascend.
63.00	Spur, 50 ft. above ravine, projects SW.; descend.
76.40	Ravine, 100 ft. below spur, course SW.; ascend.
79.68	The cor. of secs. 21, 22, 27 and 28, 25 ft. above ravine.
	Land, rolling hills, draining SW.
	Soil, rocky clay on hard clay and rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, very scattering cedar and pinon on N. half mile.

From the cor. of secs. 27, 28, 33 and 34.

N.89° 52'E., bet. secs. 27 and 34 on governing sec. line

Over rolling bench land, through a medium growth of sagebrush.

20.10	Wash, 20 lks. wide, 1 ft. deep, course S.20°W.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

Chains	
	S 27 / ¼ / S 34
	1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
43.30	Wash, 20 lks. wide, 1 ft. deep, course S.30°W.
56.00	Descend into ravine from bench, brs. N. and S.
59.00	Ravine, 50 ft. below bench, course S.; enter scattering cedar and pinon timber, brs. N. and S.; ascend.
61.60	Point of spur, 60 ft. above ravine, slopes S.; descend.
63.10	Ravine, 20 ft. below spur, course S.; ascend.
66.50	Spur, 20 ft. above ravine, slopes S.; descend.
75.70	Ravine, 35 ft. below spur, course S.; ascend.
80.00	On spur, 40 ft. above ravine, projects S.10°W.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and 12 ins. in a mound of stone, for the cor. of secs. 26, 27, 34 and 35, with brass cap marked
	T5S | R21E S27 | S26 S34 | S35
	1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling bench on W. 56.00 chs., and rolling hills on E. 24.00 chs. Drainage S.
	Medium undergrowth of sagebrush.
	Scattering growth of scrub cedar and pinon on E. 21.00 chs.
	S.0° 02'W., on random line bet. secs. 34 and 35.
40.00	Set temp. ¼ sec. cor.
79.72	Intersect First Stan. Par., S., 5 lks. E. of the stan. cor. of secs. 34 and 35.
	N.0° 04'E., on true line bet. secs. 34 and 35.
	Ascend over broken hills, through a medium undergrowth of sagebrush and a very scattering growth of scrub cedar and pinon.

Chains	
8.00	Top of ascent, 35 ft. above sec. cor., slopes E.; desc.
12.50	Ravine, 60 ft. below top of ascent, course S.15°E.; asc.
20.00	Top of spur, 100 ft. above ravine; thence along top of spur, ascending gradually.
39.86	150 ft. above ravine on rolling top of spur.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼
	S34 | S35
	1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
45.50	Descend into ravine, brs. NW. and SE.
47.00	Ravine, 30 ft. below spur, course SE.; thence along bottom of ravine.
56.00	Ascend from ravine, drains from N.15°E.
79.72	The cor. of secs. 26, 27, 34 and 35 150 ft. above ravine.
	Land, rolling hills. Drainage S.
	Soil, rocky clay loam on rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, very scattering scrub cedar and pinon.
	N.0° 03'E., bet. secs. 26 and 27.
	Ascend gradually along top of spur, over rolling hills, through a medium undergrowth of sagebrush and very scattering scrub cedar and pinon.
25.00	Descend into ravine, 100 ft. above sec. cor., brs. SW. and NE.
30.40	Ravine, 90 ft. below spur, course SW.; ascend.
39.00	Top of ascent, on slope of spur, 135 ft. above ravine, slopes SW.; ascend gradually along slope of 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 marked
	¼
	S27 | S26
	1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
55.00	Top of ascent on slope of spur, 45 ft. above ¼ sec. cor.; descend.
62.25	Ravine, 100 ft. below top of ascent, course S.30° W.; asc.
70.00	Spur, 115 ft. above ravine, projects S.15° W.; descend gradually along slope of spur.
80.00	On slope of spur, 20 ft. below top.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 22, 23, 26 and 27, with brass cap marked

T5S	R21E
S22	S23
S27	S26

1920

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

Land, rolling hills. Drainage S.

Soil, rocky clay, on rocky subsoil.

Medium undergrowth of sagebrush.

Timber, very scattering scrub cedar and pinon.

	S.89° 52' W., on random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect N. and S. line, 5 lks. S. of the cor. of secs. 21, 22, 27 and 28.
	N.89° 54' E., on true line bet. secs. 22 and 27.
	Ascend over rolling hills, through a medium growth of sagebrush.
11.00	Top of ascent, 35 ft. above sec. cor., slopes S.; desc.
16.85	Ravine, 40 ft. below top of ascent, course SW.; ascend.
25.00	Top of ascent, 90 ft. above ravine, slopes S.; descend.
29.50	Ravine, 70 ft. below top of ascent, course S.; ascend gradually.
40.06	65 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S 22 / S 27

1920

Chains	
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
52.00	Ridge, 60 ft. above ¼ sec. cor., brs. N. and S.; descend.
57.50	Ravine, 60 ft. below ridge, course S.; ascend.
62.50	Spur, 50 ft. above ravine, slopes S.; descend.
66.00	Ravine, 15 ft. deep, course S.; ascend.
74.25	Spur, 75 ft. above ravine, projects S.; descend.
77.80	Ravine, 85 ft. below spur, course S.; ascend.
80.12	The cor. of secs. 22, 23, 26 and 27, 55 ft. above ravine.
	Land, rolling hills. Drainage S.
	Soil, rocky and clay loam on rocky subsoil.
	Medium growth of sagebrush. No timber.

	N.0° 03'E. bet. secs. 22 and 23.
	Ascend over rolling hills, through a medium undergrowth of sagebrush and very scattering scrub cedar and pinon.
16.00	Top of ascent, 100 ft. above sec. cor., slopes W.; descend.
19.70	Ravine, 65 ft. below top of ascent, course SW., ascend.
28.00	Spur, 130 ft. above ravine, projects SW.; descend.
33.40	Ravine, 55 ft. below spur, course SW., from the N., thence along ravine.
37.50	Ascend from ravine, drains from the NE.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S 22 | S23

1920

	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
43.00	Spur, 150 ft. above ravine, slopes SW.; descend.
52.00	Head of ravine, 20 ft. below spur, course SW;. ascend.
54.00	Ridge, 10 ft. above ravine, brs. NW. and SE.; descend.
79.48	On rough slope, 350 ft. below top of ridge.
	Intersect S. bdy. of sec. 15, W., 3.40 chs., dist. from the cor. of secs. 14 and 15. At point of intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in

Chains	
	the ground for closing cor. of secs. 22 and 23, with brass cap marked
	S 15 / S22 | S23 / T5S | R21E / CC / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
	Land, rolling hills.
	Soil, sandy, clay and rocky loam, on rocky subsoil.
	Medium undergrowth of sagebrush.
	Very scattering scrub cedar and pinon.
	From the cor. of secs. 26, 27, 34 and 35.
	N.89° 52'E. bet. secs. 26 and 35 on governing sec. line.
	Descend over rolling hills, through a medium undergrowth of sagebrush and very scattering scrub cedar and pinon.
10.25	Ravine, 40 ft. below sec. cor., course S.; ascend.
14.00	Spur, 65 ft. above ravine, slopes S.; descend.
18.00	Ravine, 40 ft. below spur, course S.; ascend.
22.00	Spur, 60 ft. above ravine, projects S.; descend.
28.10	Ravine, 25 ft. below spur, course S.; ascend.
34.00	Spur, 25 ft. above ravine, projects S.; descend.
36.40	Ravine, 25 ft. below spur, course S.; ascend.
40.00	On spur, 50 ft. above ravine, slopes S.;
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 26 / ¼ / S 35 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
	Descend.
46.85	Ravine, 50 ft. below spur, course S.20°W.; ascend.
51.00	Ridge, 100 ft. above ravine, brs. N. and S.15°W.; desc.
64.75	Ravine, 230 ft. below ridge, course S.15°W.; old road in ravine, brs. N.15°E., and S.15°W.; ascend.
80.00	On broken slope, 190 ft. above ravine.

Chains	
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 25, 26, 35 and 36, with brass cap marked
	T5S R21E S26 | S25 S35 | S36 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	Land, rolling hills. Drainage S.
	Soil, clay, sand and rocky, on rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, very scattering scrub cedar and pinon.

	S.0° 04'W., on random line bet. secs. 35 and 36.
40.00	Set temp. ¼ sec. cor.
79.64	Intersect the First Stan. Par. S., 9 lks. E. of the stan. cor. of secs. 35 and 36.
	N.0° 08'E., on true line bet. secs. 35 and 36.
	Ascend along W. side of ridge, over rolling hills, through a medium undergrowth of sagebrush and very scattering scrub cedar and pinon.
20.00	Top of ascent, 65 ft. above sec. cor., slopes W.; desc.
27.50	Ravine, 160 ft. below top of ascent, course SW.; ascend.
39.82	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S35 | S36 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
51.00	Spur, 160 ft. above ravine, projects SW.; descend.
63.00	Ravine, 60 ft. below spur, course W.; ascend along broken slope.
79.64	The cor. of secs. 25, 26, 35 and 36, on rough slope 50 ft. above ravine.
	Land rolling hills.

Chains	
	Soil, sandy, loam and rocks, on rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, very scattering scrub cedar and pinon.

	N.89° 52'E. on random line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
89.41	Intersect E. bdy. of Tp., 13 lks. S. of the cor. of secs. 25 and 36.
	S.89° 47'W., on true line bet. secs. 25 and 36.
	Ascend over rolling hills, through a medium growth of sagebrush.
5.00	Top of ascent, 65 ft. above sec. cor., slopes S.; desc.
19.10	Ravine, 115 ft. below top of ascent, course SE.; ascend.
27.30	Old road, brs. NW. and SE.
49.41	On rolling slope, 50 ft. above ravine.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 25 / S 36 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor.
67.00	Top of ascent, 100 ft. above ¼ sec. cor., slopes SE.; desc
72.00	Ravine, 25 ft. below top of ascent, course SE.; ascend over rough slope.
81.00	Top of ridge, 290 ft. above ravine, brs. N. and S.; desc.
89.41	The cor. of secs. 25, 26, 35 and 36, 110 ft. below ridge.
	Land, rough hills,
	Soil, sandy loam and loose rocks, on rocky subsoil
	Medium growth of sagebrush. No timber.

	N.0° 03'E., bet. secs. 25 and 26.
	Ascend along rough slope of ridge, through a medium growth of sagebrush.
8.00	Top of ascent, 40 ft. above sec. cor., slopes W.; desc.

Chains	
17.50	Foot of descent, 50 ft. below top, drains W.; ascend.
20.00	Ridge, 25 ft. above foot of descent, brs. NW. and SE.; descend.
31.45	Old road, brs. NE. and SW.
33.00	Wash, 140 ft. below ridge, 30 lks. wide, 3 ft. deep, course NE.; thence over rolling land sloping E.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ / S26 | S25 / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
67.20	Wash, 50 lks. wide, 3 ft. deep, course E.; ascend.
78.00	Top of ascent, 140 ft. above wash, on slope of spur, sloping E.; descend.
80.00	130 ft. below top of ascent.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the cor. of secs. 25 and 26, with brass cap marked
	S26 | S25 / T5S | R21E / 1920
	Raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor.
	Land, rolling hills.
	Soil, sandy and clay loam and rocky, on rocky subsoil.
	Medium growth of sagebrush. No timber.

	S.89° 52'W. on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line, 12 lks. N. of the cor. of secs. 22, 23, 26 and 27.
	N.89° 47'E., on true line bet. secs. 23 and 26.
	Ascend over rolling hills, through a medium undergrowth of sagebrush, and very scattering scrub cedar and pinon
2.00	Spur, 65 ft. above sec. cor., projects S.; descend.

Chains	
7.25	Ravine, 100 ft. below spur, course S.15°W.; ascend.
30.00	Spur, 230 ft. above ravine, projects S.15°W.; descend.
39.50	Ravine, 110 ft. below spur, course SW.; ascend.
40.05	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S 23 / S 26 1920 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
45.00	Ridge, 100 ft. above ravine, brs. N.10°W. and S.10°E.; descend over rough slope.
66.75	Ravine, 275 ft. below ridge, course S.20°E.; ascend.
72.00	Spur, 50 ft. above ravine, projects SE.; descend.
80.10	The cor. of secs. 25 and 26, 65 ft. below spur.
	Continue on same line with continuous measurement.
87.00	Ravine, 40 ft. below sec. cor., course SE.; ascend.
87.83	Intersect the W. bdy. of sec. 24, N.2° 18'W., 93 lks. dist. from the SW. cor of sec. 24. At intersection
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground for the SE. cor. of sec. 23, with brass cap marked T5S R21E S23 | S24 S 25 1920 Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high NW. of cor.
	Land, rough and broken hills.
	Soil, sand and clay loam and loose rocks, on rocky subsoil.
	Medium undergrowth of sagebrush.
	Timber, a few scattering scrub cedar and pinon.

LATITUDES, DEPARTURES AND CLOSING ERRORS, T.5 S.,R.21E.

Line designated	Course	Dist. Chs.	Lat. N. Chs	Lat. S. Chs	Dep. E. Chs	Dep. W. Chs.
1st. St. Par. S.	S.89°59'W.	118.85		0.04		118.85
	S.89°40'W.	40.29		.23		40.29
	S.89°44'W.	40.05		.19		40.05
	S.89°32'W.	40.18		.33		40.18
	S.89°24'W.	80.95		.85		80.95
	S.89°58'W.	40.54		.02		40.54
	N.89°03'W.	39.77	0.66			39.77
	S.89°47'W.	40.16		.15		40.16
	N.89°42'W.	39.88	.21			39.88
	West,	10.54				10.54
W. bdy. Tp.,	North	478.43	478.43			
N. bdy. Tp.,	N.89°09'E	38.96	.58		38.96	
	N.89°35'E.	120.51	.88		120.51	
Subs. W. bdy. sec.4	S.0° 57'E.	80.40		80.40	1.33	
Bet. secs.4 & 9.	N.89°41'E.	40.00	.22		40.00	
	N.89°49'E.	40.12	.13		40.12	
Bet. secs.9 & 10.	S.0° 47'E.	80.62		80.62	1.10	
Bet. secs.10 & 15,	N.89°35'E.	80.66	.59		80.66	
Bet. secs.11 & 14,	N.89°32'E.	40.41	.33		40.41	
	N.89°25'E.	40.28	.41		40.28	
Bet. secs.13 & 14,	S.0° 49'E.	80.56		80.56	1.15	
Bet. secs.23 & 24,	S.2° 16'E.	80.00		79.94	3.21	
Bet. secs.24 & 25,	S.89°43'E.	80.00		.40	80.00	
E. bdy. of Tp.,	S.1° 07'E.	158.24		158.21	3.08	
Convergency					.47	
Total			482.44	481.94	491.28	491.21
			481.94		491.21	
Error in lat. and dep.			0.50		0.07	

GENERAL DESCRIPTION OF T. 5 S., R. 21 E.

The land of this township is generally rolling hills, broken by numerous washes and ravines, draining S. The main divide of the hills extends from sec. 5 through the township in a southerly direction to sec. 36.

The soil consists of a dry clay and sandy loam and loose rocks, on a subsoil of hard rocky clay, and supports a medium growth of sagebrush and grass which affords fair grazing for cattle.

A few scattering scrub cedars and pinon are found in the

NW. cor. of township and on the slopes of the main divide of the hills, extending south east through the township from sec. 5 to sec. 36.

There was no water or indications of mineral noted on this fractional township during the survey.

Clyde Perry, located in the NE. cor. of sec. 5, has about 15 acres of land under cultivation, which produced a good crop of oats. There was no other settler located on this fractional township at time of survey.

Owing to defective needle the magnetic declination was not determined.

BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Louis Postma	Chainman.
Prentiss R. Long	Chainman.
Glen T. Blake	Flagman.
Victor Wilkins	Cornerman.

Volume

#

R0451

6—2704

CADASTRAL ENGINEER.

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~.

I, Ralph Gentry, U. S. Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 20th day of May, 1920, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the resurvey of the First Standard Parallel South through R. 21 E., and the resurvey of a portion of the east boubdary and north boundary, and portion of the subdivisinons of T. 5 S., R. 21 E., and the survey of a portion of the subdivision of T. 5 S., R. 21 E., 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 date 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, March 14, 1921. Ralph Gentry
U.S. Cadastral Engineer. ~~U.S. Surveyor~~

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah Apr. 24, 1922, 191

The foregoing field notes of the resurvey of the First Standard Parallel South, Through Range No. 21 East and portions of the east and north boundaries and a portion of the subdivision and the survey of a portion of the subdivision of Township No. 5 South, Range No. 21 East of the Salt Lake Base and Meridian, Utah,

executed by Ralph Gentry

under ~~his~~ special instructions dated May 20, 1920, 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the resurveys and surveys they describe, are hereby approved.

C. D. Ferguson
U. S. Surveyor General.

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

_____
U. S. Surveyor General.

6—2764

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Page

4—679

BOOK A-451 A

FIELD NOTES

OF THE ~~XXXXXXXXXXXX~~

RETRACEMENT OF PORTION OF SOUTH BOUNDARY

AND SUBDIVISION OF

T. 43 S., R. 7 W.

Of the SALT LAKE BASE and *Meridian,*

In the State of UTAH

EXECUTED BY

ANDREW NELSON, U.S. CADASTRAL ENGINEER.

In the capacity of U. S. Surveyor, *under instructions dated* March 10, 1921, ~~1921~~, *issued by the United States Surveyor General to govern surveys included in Group No.* 82, *which were approved by the Commissioner of the General Land Office,* March 25, 1921, ~~1921~~ and Assignment Instructions dated June 24, 1921.

Survey commenced July 30 1921, ~~1921~~

Survey completed September 3, 1921, ~~1921~~

6—111

BOOK A-451

INDEX DIAGRAM.

Township 43 South, *Range* 7 West

6	78	5	61	4	45	3	31	2	17	1
77		77		60		44		30		16
7	76	8	59	9	43	10	29	11	15	12
75		73		58		42		28		14
18	72	17	56	16	40	15	27	14	13	13
71		70		55		39		25		11
19	69	20	53	21	37	22	24	23	10	24
68		67		52		36		22		9
30	65	29	50	28	35	27	21	26	7	25
64		63		48		34		20		6
31	62	32	46	33	32	34	18	35	4	36
3										

BOOK A-451

4—679 b

INDEX DIAGRAM.

Township 43 South, Range 7 West

6 572	5 555	4 539	3 525	2 511	1
571	571	554	538	524	510
7 570	8 553	9 537	10 523	11 509	12
569	567	552	536	522	508
18 566	17 550	16 534	15 521	14 507	13
565	564	549	533	519	505
19 563	20 547	21 531	22 518	23 504	24
562	561	546	530	516	503
30 559	29 544	28 529	27 515	26 501	25
558	557	542	528	514	500
31 556	32 540	33 526	34 512	35 498	36
497					

6—4817

DATE DIAGRAM OF T. 43 S., R. 7 W.

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

Survey commenced July 30, 1921, and executed with a Buff & Buff light mountain transit No. 9978, equipt with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers, placed opposite to each other and reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs and vertical circle.

The instrument was approved for use in this survey, conditional upon satisfactory field tests, by the Assistant Supervisor of Surveys for Utah, in assignment instructions dated June 24, 1921.

Knowing my instrument to be in good adjustment from recent test made on a meridian established by Polaris observations, July 24th, and described in survey of T.41 S.,R.3 W., no preliminary tests were made at the commencement of this township.

At my station near the cor. of secs. 3-4-9 and 10, T. 43 S., R. 7 W., S.L.B. & Mer., in approximate latitude 37° 06' N., longitude 112° 36' W., I examine the adjustments of the transit and find no errors.

Aug. 20: At 9h 42.2m p.m.,l.m.t., I observe Polaris at eastern elongation, making six observations, three each 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 8 chs. N.

Azimuth of Polaris at eastern elongation = 1° 24'.

Aug. 21: I lay off the azimuth of Polaris 1° 24' to the west, and mark the meridian thus determined by a nail in a peg driven firmly in the ground, about 8 chs. N.

At apparent noon I make a meridianal 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 ----------	65°01'45"
Reduced latitude ----------	37°05'½.N.
Mean watch time of observation	12h03m45s
Watch fast of local mean time -- -	0m 38s

At the completion of this township I make a final test of the solar apparatus, at the above station as follows:

Sept. 4: At 9h 0m a.m., app.t., I set off 37° 05½'N. on the lat. arc; 7° 14' N. on the decl. arc; and determine a meridian with the solar which I find reads ½' to the west of the true meridian.

At apparent noon with the lat. arc. unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc. is 7° 11½' N., which agrees with the

Chains

computed decl. of the sun.

At 3H 0m p.m.,app.t., with the lat. arc. unchanged, I set off 7° 8¾' N. on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

As all the solar observations during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory. Several previous tests were made on the above Polaris meridian and found to be satisfactory. Latitude observations were made daily whenever possible.

MEASUREMENTS.

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 8 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 with clinometers, and the slope measurements properly reduced to true horizontal distances, which only appear in these notes.

Retracement of portion of S. Bdy. of T.43 S., R.7 W.

From the cor. of Ts. 43 and 44 S., Rs. 7 and 8 W., which is an iron post, 3 ins. dia., extending 12 ins. above the ground, firmly set, properly marked and witnessed as described by the surveyor general.

Thence along the S. Bdy. of Tp.

East, on retracement line bet. secs. 6 and 31.

39.39 The ¼ sec. cor., which is an iron post, 1 in. dia., extending 12 ins. above ground, firmly set and properly marked, from which the original bearing trees are as follows:

A pinon, 14 ins.diam.,bears N.12⅓°E., 168 lks. dist.,marked ¼ S31 BT

A pinon, 8 ins.diam.,bears S.32¾°W., 62 lks. dist.,marked ¼ S6 BT

Chains	
	The old bearings and distances to trees do not check. The true bearing of this ½ mile is therefore East, and distance is 39.39 chs. The old record distance was 39.79 chs.

Subdivision of T. 43 S., R. 7 W.

From the cor. of secs. 1-2-35 and 36 on S. bdy. of the Tp., which is an iron post, 3 ins. dia., extending 12 ins. above the ground, firmly set, marked and witnessed as described by the surveyor general. Thence N. 0° 05' W., bet. secs. 35 and 36.

Over rolling mesa top, through scattering cedar and pinon timber, and dense sagebrush; over slight S. exposure to

13.00 Thence over slight N. and NW. exposures; desc. 80 ft. to

25.20 W. edge of mesa and top of E. breaks of Cottonwood Canyon, bears N.10°E., and S.60°W.; desc. along a W. slope, 170 ft. to

36.18 The true point for the ¼ sec. cor. will fall on precipitous N. slope among high ledges and cannot be reached, therefore at this point,

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

WC
¼
S35 | S36
1921

from which

A pinon, 6 ins. diam., bears S.9¾°E., 18 lks. dist., marked WC ¼ S36 BT
A pinon, 6 ins. diam., bears S.89¼°W., 37 lks. dist., marked WC ¼ S35 BT

Cor. stands on top of a sandstone rim ledge about 60 ft. high, bearing NE. for 5 chs. thence to N., and S.60°W. The line N. from this cor. follows along an abrupt W. face, crossing deep gulches, 400 to 500 ft. deep, and

Chains	
	rimmed with high, vertical sandstone ledges, making chaining impossible, therefore I offset as follows:
	East, 15.85 chs., then on offset line.
	N. 0° 05' W., along edge of mesa top. (counting dist. from sec. cor.)
40.00	True point for ¼ sec. cor., 15.85 chs. W. no cor. set.
	At 50.65 chs. a small drip seep of good water, bears W. of offset line 60 lks. dist. under 60 ft. ledge.
	At 80.00 chs., thence
	West, 15.85 chs. to true line.
80.00	On true line.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 25-26-35 and 36, with brass cap marked

T43S	R7W
S26	S25
S35	S36

1921

from which

A pinon, 6 ins.diam.,bears N.36¼°E., 64 lks. dist.,marked T43S R7W S25 BT
A pinon, 12 ins.diam.,bears S.26°E., 95 lks. dist.,marked T43S R7W S36 BT
A cedar, 10 ins.diam.,bears S.9°W., 15 lks. dist.,marked T43S R7W S35 BT
A pinon, 10 ins.diam.,bears N.7½°W., 129 lks. dist.,marked T43S R7W S26 BT

Cor. stands on a rocky SW. slope of spur, 3 chs. N. of a high rim ledge, bearing about E. and W., and on same level with the witness ¼ sec. cor.

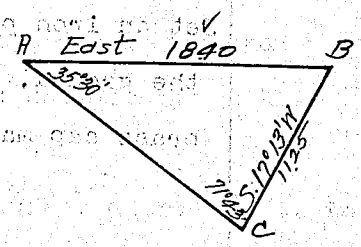
Land, rolling mesa on S. 25.20 chs., having slight S. and NW. exposures: soil, deep, loose sandy loam; remainder of mile is breaks of Cottonwood Canyon, general W. slope and drainage, with abrupt ledgy slopes: soil rocky of red sandstone formation.

Timber, scattering to medium dense cedar and pinon on mile.

Undergrowth, dense sagebrush, with scattering oak brush, yellow-top and service berry brush.

Good grazing land on the mesa.

Chains	
	East, on random line bet. secs. 25 and 36.
40.00	Set. temp. ¼ sec. cor.
	The line to the E. passes across deep box canyon, rimmed with vertical ledges, making chaining impossible, therefore I triangulate as follows:
	Erect flag at this temp. ¼ sec. cor. which I designate "A" and set flag "B" on line on E. rim of canyon; there being no suitable place for base line on this side of canyon I proceed to flag "B" and measure base line "BC" S.17°13' W., 11.25 chs. to point whence "A" subtends angle of 71° 43'. From "A" the base "BC" subtends angle of 35° 30'.
	Vertical angle "A" to "B" = - 6°.
	Triangulation dist. = 18.40 chs. Dist. measured ---- = 40.00 " 58.40
58.40	To triangulation point.
80.00	Intersect E. bdy. of the tp., 9 lks. S. of the cor. of secs. 25 and 36, which is an iron post, 3 ins. dia., extending 12 ins. above mound of stone, firmly set, marked and witnessed as described by the surveyor general. Thence
	S. 89°56' W., on true line bet. secs. 25 and 36.
	Over rough mountainous land, through medium dense timber and undergrowth; along an abrupt, ledgy N. slope.
9.50	Top of a 50 ft. rim ledge, bears N.70°W. and S.80°E.
17.00	Top of ascent on ledgy N. slope, 270 ft. above sec. cor.; desc. abrput NW. slope, 150 ft. to
21.60	Point of triangulation on E. rim of canyon, bears N.15°E. and S.15°W.; thence by triangulation; approximate topography as follows:
	Desc. abuptly over high sandstone ledges, W. slope.
30.00	Bottom of fork of Bunting Canyon, near head, 350 ft. deep, course NE.; asc. abruptly over ledges.
39.85	Top of 50 ft. rim ledge on W. edge of canyon, bears NE. and SW.



Chains	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock and in a large mound of stone, for the ¼ sec. cor., with brass cap marked ¼ S25/S36 1921 from which A cedar, 5 ins.diam.,bears S.48¼°W., 61 lks. dist.,marked ¼ S36 BT A pinon, 7 ins.diam.,bears N.41¼°W., 56 lks. dist.,marked ¼ S25 BT Ascend abruptly rocky E. slope, 150 ft. to
45.00	E. edge of high mesa, bears NE. and S.; thence over rolling top.
47.00	Top of raise on mesa, bears N.30°E. and S.30°W.; gradually desc.
50.50	W. edge of mesa, bears N. and SW.; desc. NW. slope.
58.60	Depression on N. slope, 250 ft. below top of mesa, drains N.; asc. along N. and NE. slope, 220 ft. to
70.70	Point of mesa bearing S. and S.70°E. A high spur takes off to N.60°W.; desc. rocky W. slope, 200 ft. to
80.00	The cor. of secs. 25-26-35 and 36.
	Land, mountainous and mesa; E. ½ mile exceptionally difficult to survey; exposure and drainage to E. into Kanab Creek on E. 47 chs., and to NW. and W. on remainder of mile into Cottonwood Canyon. Soil, rocky in form of ledges and outcrops with shallow loose sand on the rough portions; deep, loose sandy loam on mesa top; red sandstone formation. Timber, medium dense cedar and pinon, with few scattered red pines on E. end of the mile. Undergrowth, considerable sage, service and oak brush. Good grazing land on portions of the mile.

	N. 0°05' W., bet. secs. 25 and 26. Over high rough mountainous land, through medium dense timber and undergrowth; asc. steep SW. slope, 110 ft.

Chains	
8.25	High spur, projects N.70°W.; desc. abrupt N. slope over series of sandstone ledges, 675 ft. to
29.55	Gulch, course N.70°W.; asc. abruptly S. slope over series of broken sandstone ledges.
37.00	Thence more gradual ascent over SW. slope.
40.00	On a S. slope, 250 ft. above gulch.

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

¼
S26 | S25
1921

from which

A cedar, 8 ins. diam., bears N.55½°E., 50 lks. dist., marked ¼ S25 BT
A cedar, 5 ins. diam., bears N.49¼°W., 10 lks. dist., marked ¼ S26 BT

61.75	Spur, 310 ft. above ¼ sec. cor., projects N.70°W.; desc. broken N. slope, 280 ft. to
80.00	On a NE. slope.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 23-24-25 and 26, with brass cap marked

T43S | R7W
S23 | S24
S26 | S25
1921

from which

A cedar, 6 ins. diam., bears N.60°E., 4 lks. dist., marked T43S R7W S24 BT
A pinon, 6 ins. diam., bears S.57½°E., 35 lks. dist., marked T43S R7W S25 BT
A pinon, 14 ins. diam., bears S.14°W., 37 lks. dist., marked T43S R7W S26 BT
A pinon, 8 ins. diam., bears N.26¾°W., 142 lks. dist., marked T43S R7W S23 BT

Land, broken mountainous, with abrupt N. and S. slopes, drainage W. into Cottonwood Cayon.

Soil, rocky in form of ledges and outcrops, with shallow loose sandy loam and sand; red sandstone formation.

Timber, medium dense cedar and pinon, with few scattered

Chains	
	red and yellow pines on N. slopes.
	Undergrowth, scattered to medium dense sage, service, oak and manzanita brush. Too rough for good grazing.
	N. 89°56' E., on random line bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
79.92	Intersect E. bdy. of tp., 18 lks. N. of the cor. of secs. 24 and 25, which is an iron post, 3 ins. dia., extending 12 ins. above the ground, firmly set, marked and witnessed as described by the surveyor general. Thence
	N. 89°56' W., on true line bet. secs. 24 and 25.
	Over broken mountainous land, through medium dense timber and undergrowth; asc. abruptly out of head of Bunting Canyon which drains S.70°E.
5.00	Top of 150 ft. vertical rim ledge, 205 ft. above the cor., bears bears S. for 4 chs., thence to SE., and NE.; continue steep ascent over rocky E. slope, 420 ft. to
15.50	E. edge of mesa, bears N.10°E. and S.10°W.; thence gradually asc. over rolling top, through less dense timber, 120 ft. to
32.00	Top of raise on mesa, 745 ft. above sec. cor., bears N.20°W. and S.20°E.; gradually desc. W. slope.
39.96	On slight W. slope of mesa top, 20 ft. below raise. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}\ \frac{S24}{S25}$
	1921
	from which
	A cedar, 5 ins.diam., bears N.28°E., 96 lks. dist., marked ¼ S24 BT
	A pinon, 6 ins.diam., bears S.74°W., 172 lks. dist., marked ¼ S25 BT
46.00	Enter heavier timber, bears N. and S.
53.00	W. edge of mesa, 135 ft. below top at 32 chs., bears N. and S.; desc. steep, broken W. and SW. slopes, 325 ft. to

Chains	
79.05	Bottom of ravine, course NW.; asc. E. slope, 35 ft. to
79.92	The cor. of secs. 23-24-25 and 26.
	Land, rough mountainous and rolling mesa; E. exposure and drainage into Kanab Creek on the E. 32 chs. and W. into Cottonwood Canyon on remainder of mile.
	Soil, rocky with shallow loose sandy loam on rough slopes; deep sandy loam on mesa.
	Timber, medium dense to scattering cedar and pinon.
	Undergrowth, scattering sage, service, oak and manzanita brush, with dense sage on the mesa. Good grazing land on greater part of the mile.

	N. 0°05' W., bet. secs. 23 and 24.
	Over mountainous land, through medium dense timber and scattering undergrowth; desc. N. slope, 35 ft. to
1.15	Ravine, course N.40°W.; asc. broken SW. slope, 360 ft.
28.40	Edge of mesa top, bears SE., and W. for 2 chs. to point from which a spur takes off to SW.; thence along rolling top, near W. edge.
40.00	On slight W. slope, near W. edge of mesa.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S23 | S24 1921
	from which
	A cedar, 8 ins.diam., bears S.19½°W., 19 lks. dist., marked ¼ S23 BT
	A pinon, 12 ins.diam., bears N.62½°E., 127 lks. dist., marked ¼ S24 BT
41.20	Leave top of mesa, bears NE., and S.20°W.; gradually desc. along W. slope, 80 ft. to
46.50	Depression on W. slope, drains S.70°W.; asc. along SW. slope, 115 ft. to
53.00	Top of ascent on point of mesa where spur takes off to N.70°W.; desc. steep, broken W. and NW. slopes.

Chains	
62.50	Small clump of aspen on line.
74.65	Small branch gulch, 50 ft. deep, and 250 ft. below mesa, course N. 80° W.; continue over broken NW. slope.
80.00	True point for sec. cor. falls on sloping sandstone ledge 50 ft. high, extending across bottom of gulch, draining SW., where cor. cannot be perpetuated. I cut cross(X) 10 ins. in dia. for exact cor. point, and, at
80.50	Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for the witness cor. to cor. of secs. 13-14-23 and 24, with brass cap marked

T43S | R7W
S14 | S13
S23 | S24
WC
1921

from which

A pinon, 8 ins.diam.,bears N.33°E., 96 lks. dist.,marked WC T43S R7W S13 BT
A pinon, 10 ins.diam.,bears S.47¾°E., 89 lks. dist.,marked WC T43S R7W S24 BT
A pinon, 10 ins.diam.,bears S.12¾°W., 120 lks. dist.,marked WC T43S R7W S23 BT
A cedar, 8 ins.diam.,bears N.42½°W., 76 lks. dist.,marked WC T43S R7W S14 BT

Cor. stands on N. edge of gulch bottom, 360 ft. below mesa.

Land, rough mountainous and rolling mesa; general W. exposure and drainage into Cottonwood Canyon.

Soil, rocky in form of broken ledges and outcrops on steep slopes; deep sandy loam on mesa top; red sandstone formation.

Timber, medium dense cedar and pinon, with some aspen on N. slope of N. ½ mile.

Undergrowth, scattering to medium dense sage, service, buck and manzanita brush. Fair grazing land on greater part of the mile.

S. 89°56' E., on random line bet. secs. 13 and 24, from true cor. point.

40.00	Set temp. ¼ sec. cor.

Chains	
80.02	intersect E. bdy. of tp., 2 lks. S. of the cor. of secs. 13 and 24, which is an iron post, 3 ins. dia., extending 12 ins. above a large mound of stone, firmly set, marked and witnessed as described by the surveyor general. Thence
	N. 89°57' W., on true line bet. secs. 13 and 24. Over mountainous land, through medium dense timber and scattering undergrowth; asc. along a broken SE. and S. slopes, 250 ft. to
19.15	Spur, projects S. 4 chs. dist. to end.; desc. SW. slope.
24.50	Short branch gulch, 120 ft. below spur, course SE. for about 6 chs. to canyon draining E.; asc. 150 ft. to
28.00	Spur, projects S.30°E. 4 chs. dist. to end; desc.
30.65	Top of 50 ft. vertical sandstone ledge, bears SE., and NW. 3 chs. to end.
32.55	Head of gulch, course S.30°E. 6 chs. to canyon.; asc. steep, broken E. and NE. slopes.
40.01	On steep NE. 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 brass cap marked ¼ S13/S24 1921 from which A pinon, 8 ins.diam.,bears N.34°W., 76 lks. dist.,marked ¼ S13 BT A cedar, 6 ins.diam.,bears S.43½°W., 13 lks. dist.,marked ¼ S24 BT
44.60	E. edge of mesa, 80 ft. above ¼ sec. cor., bears N. and SW.; thence gradually asc. over rolling top of mesa, SE. slope, 85 ft. to
55.00	Top of raise on mesa, bears N.10°E. and S.20°W.; gradually desc. W. slope.
62.10	Point from which a post corral bears S. of line about 8 chs. dist.
68.50	W. edge of mesa,100 ft. below top, bears N. and S.; desc. steep, rocky W. slope, 250 ft. to

Chains	
80.02	The true point for cor. of secs. 13-14-23 and 24.
	Land, mountainous and rolling mesa; E. exposure and drainage into Kanab Creek on E. 55 chs., and to W. into Cottonwood Canyon on remainder of mile.
	Soil, rocky with shallow sandy loam on rough portions; deep, loose sand and sandy loam on mesa; red sandstone formation.
	Timber, medium dense cedar and pinon.
	Undergrowth, scattering sage, service and oak brush.
	Good grazing land on mesa.

	N. 0°05' W., bet. secs. 13 and 14, from true cor. point.
	Over mountainous land, through dense timber and scattering undergrowth; asc. steep, rocky S. slope.
0.50	The witness sec. cor.
9.40	S. edge of mesa, 265 ft. above sec. cor., bears E. and NW.; gradually asc. over rolling mesa top.
40.00	On a slight W. exposure, 100 ft. above the edge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S14 | S13 1921
	from which
	A cedar, 8 ins.diam.,bears S.69°E., 20 lks. dist.,marked ¼ S13 BT
	A cedar, 6 ins.diam.,bears N.64°W., 50 lks. dist.,marked ¼ S14 BT
71.00	Top of raise on mesa, bears NW. and S.30°E.; thence over eastern exposure, desc. 35 ft. to
80.00	On a slight E. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for the cor. of secs. 11-12-13 and 14, with brass cap marked
	T43S | R7W S11 | S12 S14 | S13 1921
	from which

Chains	
	A cedar, 4 ins. diam., bears N. 44½° E., 107 lks. dist., marked only BT
	A cedar, 3 ins. diam., bears S. 65¼° E., 60 lks. dist., marked only BT
	A cedar, 10 ins. diam., bears S. 32½° W., 433 lks. dist., marked T43S R7W S14 BT
	A cedar, 12 ins. diam., bears N. 44° W., 480 lks. dist., marked T43S R7W S11 BT
	Land, mountainous and rolling mesa; general SW. and W. exposure and drainage into Cottonwood Canyon on S. 71 chs. and E. into Kanab Creek on remainder of mile.
	Soil, rocky on southern portion of mile; deep, loose sandy loam and sand on mesa; red sandstone formation.
	Timber, medium dense on greater portion of mile, becoming more scattering near N. end; cedar and pinon.
	Undergrowth, scattering sage, service and oak brush on rough portion; dense sagebrush on mesa.
	Good grazing land.

	S. 89° 57' E., on random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.02	intersect E. bdy. of tp., 5 lks. N. of the cor. of secs. 12 and 13, which is an iron post, 3 ins. dia., extending 12 ins. above the ground, firmly set, marked and witnessed as described by the surveyor general. Thence
	N. 89° 55' W., on true line bet. secs. 12 and 13.
	Over rolling mesa, through medium dense timber and short undergrowth; slight E. exposure.
4.50	Wire fence, bears N. 30° W. and S. 30° E.
16.40	Begin gradual descent along a N. slope, 30 ft. to
24.50	Swale, drains N.; gradually asc. along N. slope, 80 ft.
40.01	On gentle N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S12 / S13
	1921
	from which
	A cedar, 6 ins. diam., bears N. 56¼ E., 110 lks. dist., marked ¼ S12 BT

Chains	
	A cedar, 6 ins.diam.,bears S.17¼°E., 72 lks. dist.,marked ¼ S13 BT
48.00	Leave dense, enter scattering timber, bears NE. and S.
50.00	Deer Trail bears SE & NW Kanab to Riggs ranch.
54.80	Wide, shallow swale, drains NE.; thence over slight E. slope, asc. 75 ft. to
80.02	The cor. of secs. 11-12-13 and 14.
	Land, rolling mesa, having a general NE. and E. exposure and drainage.
	Soil, deep, loose sandy loam.
	Timber, medium dense to scattering cedar and pinon.
	Undergrowth, dense sagebrush.
	Good grazing land.

	N. 0°05' W., bet. secs. 11 and 12.
	Over rolling mesa, through scattering timber and dense short undergrowth; gently asc. S. slope, 65 ft. to
29.00	Top of raise, bears W. and N.60°E.; gently desc. N. slope.
32.00	Trail, Kanab to Riggs' ranch, bears SE. and NW.
40.00	On gentle N. slope, 35 ft. below top of raise.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S11 | S12 1921
	from which
	A cedar, 8 ins.diam.,bears N.32°E., 48 lks. dist.,marked ¼ S12 BT A cedar, 8 ins.diam.,bears S.74½°W., 47 lks. dist.,marked ¼ S11 BT
69.25	S. edge of ravine, 90 ft. below ¼ sec. cor., bears N.70°E., and W. for 1 ch. thence to SW.; desc. 35 ft.
72.20	Bottom of ravine, course N.70°E.; asc. 45 ft. to
76.65	N. rim of ravine, bears N.60°E. and SW.; thence over slight S. slope.
80.00	On nearly level land.
	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 brass

Chains	
	cap marked

T43S	R7W
S2	S1
S11	S12

1921

from which

A cedar, 12 ins.diam.,bears N.31¾°E., 250 lks. dist.,marked T43S R7W S1 BT
A cedar, 18 ins.diam.,bears S.45¾°E., 243 lks. dist.,marked T43S R7W S12 BT
A cedar, 10 ins.diam.,bears S.35¾°W., 494 lks. dist.marked T43S R7W S11 BT
A cedar, 4 ins.diam.,bears N.86¾°W., 446 lks. dist.,marked only BT

Land, rolling mesa, having a general E. and NE. exposure and drainage.

Soil, deep, loose sandy loam; rocky of red sandstone formation along the ravine.

Timber, scattering cedar and pinon.

Undergrowth, dense sagebrush. Good grazing land.

S. 89°55' E., on random line bet. secs. 1 and 12.

40.00 Set temp. ¼ sec. cor.

80.08 Intersect E. bdy. of tp., 12 lks. N. of the cor. of secs. 1 and 12, which is an iron post, 3 ins. dia., extending 12 ins. above mound of stone, firmly set, marked and witnessed as described by the surveyor general. Thence N. 89°50' W., on true line bet. secs. 1 and 12.

Over broken mountainous land, through medium dense timber and dense undergrowth; desc. broken and rocky NW. slope, 190 ft. to

7.20 Short branch gully, course N.; asc. NE. slope, 100 ft. to

11.00 Top of ascent on N. slope; desc. gradually along N. slope; leave nearly all timber, bears NE. and SW.

23.00 Small spring branch of good water, 1 lk. wide, 1 in. deep, in depression on S. side of canyon, drains N. for 2 chs. to canyon, thence E.; large spring bears S.30°W. about 5 chs. dist. of line.

Asc. along N. slope, 70 ft. to

37.00 Top of ascent on N. slope; desc. N. slope, 45 ft. to

Chains	
40.04	On a gradual NW. slope in S. edge of canyon bottom. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for the ¼ sec. cor., with brass cap marked: ¼ S1/S12 1921 and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. No trees within limits.
43.00	Begin ascent over rocky NE. slope.
57.30	Top of N. point of mesa, extending to S., 225 ft. above ¼ sec. cor.; desc. NW. slope and enter medium dense timber, bears N. and SE.
69.75	Canyon, 50 ft. below point of mesa, course N.60°E.; asc. broken SE. slope, 100 ft. to
77.20	Top of ascent on rim of mesa, bears NE. and SW.: thence over nearly level top to
80.08	The cor. of secs. 1-2-11 and 12.
	Land, broken mountainous; the E. 69¾ chs. lying on S. side of a canyon, draining nearly E. and is very broken; remainder is SE. slope.
	Timber, medium dense to scattering on portions of the mile.
	Undergrowth, dense, oak, service berry, buck, choke cherry and sage brush, from 2 to 25 ft. high.
	Fair grazing land.

	N. 0°05' W., on random line bet. secs. 1 and 2.
40.00	Set temp. ¼ sec. cor.
71.62	intersect N. bdy. of the tp., at the cor. of secs. 1-2-35 and 36, which is a sandstone, 10x6x5 ins., above ground, firmly set, marked and witnessed as described by the surveyor general. Thence
	S. 0°05' E., on true line bet. 1 and 2.
	Over rolling mesa land, through scattering timber and dense, short undergrowth; over slight N. slope to
11.50	Top of raise, bears NE. and W., 20 ft. above sec. cor.

Chains	
21.00	Swale, 15 ft. below raise, drains N.80°E.; asc. 45 ft. to
27.75	Top of raise, bears NE. and SW.
31.62	On level ground.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S2 | S1 1921
	from which
	A cedar, 5 ins.diam., bears S.11¾°E., 207 lks. dist., marked ¼ S1 BT
	A cedar, 8 ins.diam., bears N.41°W., 175 lks. dist., marked ¼ S2 BT
46.65	Swale, drains N.60°E.; asc. 30 ft. to
57.25	Top of raise, bears N.60°E. and S.70°W.; desc. 15 ft. to
71.62	The cor. of secs. 1-2-11 and 12.
	Land, rolling mesa, with general E. exposure and drainage.
	Soil, deep, loose sandy loam.
	Timber, scattering cedar and pinon.
	Undergrowth, dense sagebrush. Good grazing land.

	From the cor. of secs. 2-3-34 and 35, on S. bdy. of the tp., which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Thence
	N. 0°05' W., bet. secs. 34 and 35.
	Over rolling and broken land, through scattering timber and considerable short undergrowth; along bottom of Cottonwood Canyon.
9.20	Wash, 50 lks. wide, 10 ft. deep, dry, in bottom of Cottonwood Canyon, course S.30°W.
15.80	Recross same wash, course S.30°E.
22.30	Recross same wash, course SW.;
26.20	Leave bottom land, bears N.20°E. and SW.; gradually asc. over low, broken land facing E.
40.00	On gentle E. slope, 75 ft. above wash.

Chains	
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S34 | S35 1921
	from which
	A cedar, 5 ins. diam., bears S. 66¾°E., 6 lks. dist., marked ¼ S35 BT A pinon, 8 ins. diam., bears S. 79¼°W., 14 lks. dist., marked ¼ S34 BT
	Continue gradual ascent over broken E. slope, through heavier timber.
56.85	Old brush fence, bears W. and S.70°E.
67.20	Top of ascent on E. slope, 105 ft. above ¼ sec. cor.; gradually desc. 60 ft. to
80.00	On a gradual NE. slope.
	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 brass cap marked
	T43S | R7W S27 | S26 S34 | S35 1921
	from which
	A pinon, 8 ins. diam., bears N.64°E., 134 lks. dist., marked T43S R7W S26 BT A cedar, 12 ins. diam., bears S.5¾°E., 155 lks. dist., marked T43S R7W S35 BT A pinon, 6 ins. diam., bears S.59¼°W., 59 lks. dist., marked T43S R7W S34 BT A cedar, 8 ins. diam., bears N.26°W., 70 lks. dist., marked T43S R7W S27 BT
	Land, rolling and low broken, lying along bottom of Cottonwood Canyon, which drains nearly S.
	Soil, clay and sandy, mixed with rock, on rock and clay subsoils; red sandstone formation.
	Timber, scattering on southern portion, and medium dense on northern portion, cedar and pinon.
	Undergrowth, considerable black sagebrush, with scattered service and rabbit- brush. Good grazing land.

Chains	
	East, on random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
79.86	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 25-26-35 and 36. Thence
	S. 89°59' W., on true line, bet. secs. 26 and 35.
	Over broken mountainous land, through medium dense timber and scattering undergrowth; along abrupt general S. and SW. slope, desc. abruptly over series of sandstone ledges.
1.05	A 30 ft. rim ledge, bears N. and S.
7.65	Top of main rim ledge, 100 ft. high, bears NW. and S.
10.15	Base of descent in depression on S. slope, 315 ft. below sec. cor., drains S.20°W.; asc. abruptly over ledges.
12.65	Top of main rim ledge, 100 ft. high, bears NE. and SW.
18.00	Top of ascent on rocky point, bears N.; desc. abruptly over broken S. slope.
22.70	Top of 60 ft. rim ledge, bears NW. and S.
39.93	On steep, rocky S. slope, 335 ft. below point at 18 chs. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S26 / S35 / 1921
	from which
	A cedar, 8 ins. diam., bears N.50°E., 64 lks. dist., marked ¼ S26 BT
	A pinon, 10 ins. diam., bears S.51°W., 135 lks. dist., marked ¼ S35 BT
50.50	S. slope of spur from the NE., 50 ft. below ¼ sec. cor.; desc. abrupt W. slope, 240 ft. into canyon.
62.50	Base of descent in E. edge of canyon bottom, bears N.30°W. and S.30°E.; thence across nearly level bottom land, through dense sagebrush and few scattered trees.
72.14	Wash, 60 lks. wide, 10 ft. deep, dry, in bottom of Cottonwood Canyon, course S.20°E.; asc. broken E. slope.
79.86	The cor. of secs. 26-27-34 and 35, 50 ft. above wash.
	Land, mountainous, with abrupt, rocky slopes; S. to SW.

Chains	
	on E. 62½ chs.; broken land on W. 8 chs.; remainder is level canyon bottom.
	Soil, rocky in form of ledges and outcrops, with shallow, loose sandy loam; deep, fine sandy loam in canyon bottom; red sandstone formation.
	Timber, medium dense to scattering cedar and pinon, with few scattering cottonwoods along canyon bottom.
	Undergrowth, scattering sage, service and oak brush.
	Poor grazing land on greater part of mile.

	N. 0°05' W., bet. secs. 26 and 27.
	Over mountainous land, through medium dense timber and scattering undergrowth; gradually asc. over low, broken land facing E. into canyon, over series of small spurs and draws.
18.00	Top of ascent on E. slope, 90 ft. above sec. cor.; Note: W. end of fence from S.70°E. bears E. of line 1 ch. dist.; gradually desc. along E. slope, 80 ft. to
24.90	Bottom of gulch, course E. for about 5 chs. to wash in Cottonwood Canyon; asc. abrupt S. slope over series of broken sandstone ledges.
40.00	On abrupt S. slope, 370 ft. above gulch.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S27 | S26 1921
	from which
	A cedar, 6 ins. diam., bears S.1¾°E., 14 lks. dist., marked ¼ S26 BT A pinon, 6 ins. diam., bears S.39°W., 74 lks. dist., marked ¼ S27 BT
40.95	Top of 40 ft. vertical sandstone ledge, bears E. and SW.
45.85	Top of high spur, 170 ft. above ¼ sec. cor., projects E. 3 chs. to end.; desc. abrupt, rocky N. slope, 500 ft.
58.80	Bottom of canyon, course S.70°E. about 10 chs. to Cottonwood Canyon; asc. abruptly over series of ledges.

Chains	
71.60	Top of 40 ft. rim ledge on N. rim of canyon, 380 ft. above the bottom, bears S.80°W., and N.80°E. for 2cchs. thence to N.; continue along nearly level, narrow bench.
80.00	On level bench, near E. edge.
	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 brass cap marked

T43S	R7W
S22	S23
S27	S26

1921

from which

A cedar, 8 ins.diam.,bears N.17½°E., 52 lks. dist.,marked T43S R7W S23 BT
A pinon, 16 ins.diam.,bears S.76½°E., 30 lks. dist.,marked T43S R7W S26 BT
A cedar, 12 ins.diam.,bears S.6½°W., 45 lks. dist.,marked T43S R7W S27 BT
A cedar, 8 ins.diam.,bears N.50°W., 35 lks. dist.,marked T43S R7W S22 BT

Land, broken mountainous, with abrupt N. and S. slopes, drainage E. into Cottonwood Canyon.

Soil, rocky and shallow sandy and clay loams; red sandstone formation.

Timber, medium dense cedar and pinon.

Undergrowth, scattering sage, service and oak brush.

Too rough and broken for good grazing.

	N. 89°59' E., on random line bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
79.76	Intersect N. and S. line, 7 lks. S. of the cor. secs. 23-24-25 and 26; Thecne
	S. 89°56' W., on true line bet. secs. 23 and 26.
	Over broken mountainous land, through medium dense timber and scattering undergrowth; asc. 10 ft. to
1.00	Begin descent over broken W. and NW. slopes, 90 ft. to
6.90	Top of 60 ft. rim ledge on S. rim of gulch, bears N.20°E. and S.; desc. abrupt, ledgy W. slope
12.40	Base of ledges, bears N.80°E. and S.60°W.
19.75	Gulch, 325 ft. below E. rim, course SW.; asc. abrupt SE.

Chains	
	slope over broken ledges, 270 ft. to
25.80	Top of 60 ft. rim ledge and W. rim of gulch, bears N.60°E. and S.60°W.; continue ascent over rocky SE. slope, 85 ft.
36.90	Spur, projects SW.; gradually desc. along a N. slope.
39.88	On a N. 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 brass cap marked
	$\frac{1}{4}\ \frac{S23}{S26}\ 1921$
	from which
	A pinon, 5 ins.diam.,bears N.72°E., 30 lks. dist.,marked ¼ S23 BT
	A cedar, 6 ins.diam.,bears S.38¼°E., 58 lks. dist.,marked ¼ S26 BT
46.65	E. rim of Cottonwood Canyon, 20 ft, below ¼ sec. cor., bears N. and S.; desc. abrupt W. slope over broken ledges
58.00	Base of slope, 400 ft. below rim, bears N.30°E. and S. 10°W.; thence over level canyon bottom, dense sagebrush.
62.20	Small seep, 2 lks. wide, 1 in. deep, good water, in wash, 1 ch. wide, 20 ft. deep, in Cottonwood Canyon, course S.10°W. Scattered cottonwood trees along wash.
64.50	Leave canyon bottom, bears N. and S.20°W.; asc. abrupt E. slope over series of sandstone ledges, 380 ft. to
78.10	W. rim of canyon, bears N. and S.; thence over narrow bench.
79.76	The cor. of secs. 22-23-26 and 27.
	Land, broken mountainous, with abrupt, ledgy slopes; general E. and W. exposures and drainage into Cottonwood Canyon, which drains nearly S.
	Soil, rocky of red sandstone formation, with shallow loose sand and sandy loam.
	Timber, medium dense cedar and pinon, except in canyon bottom has scattering cottonwoods.
	Undergrowth, scattering sage, service, oak and buck brush.
	Fair grazing land on portions of the mile.

Chains	
	N. 0°05' W., bet. secs. 22 and 23.
	Over broken mountainous land, through dense timber and scattering undergrowth; gradually asc. along narrow bench, 45 ft. to
7.85	S. rim of canyon, bears E. and W.; desc. abruptly N. slope over series of broken sandstone ledges, 310 ft.
15.35	Canyon, course E.; asc. abrupt S. slope over broken ledges, 10 ft. 60 ft. high, bearing E. and W.
37.45	High spur, 510 ft. above canyon, projects SE., and bears W.; desc. abrupt, rocky N. slope.
40.00	True point for the ¼ sec. cor. on abrupt N. face on broken ledges, where cor. cannot be perpetuated, therefor at
40.20	At base of ledges and abrupt descent, 100 ft. below spur. Set an iron post, 3 ft. long, 1 in. dia., 24 ins. in the ground, for witness cor. to the ¼ sec. cor., with brass cap marked ¼ S22 | S23 W C 1921 from which A pinon, 14 ins. diam., bears S. 86° E., 47 lks. dist., marked WC ¼ S23 BT A pinon, 14 ins. diam., bears S. 70° W., 28 lks. dist., marked WC ¼ S22 BT
	Gradually desc. over N. and NE. slopes, 190 ft. to
65.00	Lower rim of canyon, bears NW. and SE.; desc. abrupt N. slope, 180 ft. to
69.50	Base of slope, enter canyon bottom, bears NW. and SE.; thence over nearly level canyon bottom, through dense sagebrush.
72.10	Wash, 30 lks. wide, 20 ft. deep, in gulch from the W., course E. 2 chs. to junction with Cottonwood Wash.
77.00	Stream of good water, 6 lks. wide, 2 ins. deep, in wash, 1 ch. wide, 15 ft. deep, in bottom of Cottonwood Canyon, course SE.
80.00	True point for sec. cor. falls in small branch wash,

Chains	
	20 lks. wide, 10 ft. deep, course S.10°E., where cor. cannot be perpetuated, therefore at
81.44	In level canyon bottmm on E. edge of the wash.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for witness cor. to the cor. of secs. 14-15-22 and 23, with brass cap marked

T43S	R7W
S15	S14
S22	S23

WC
1921

from which

A cedar, 12 ins.diam.,bears N.58½°E., 245 lks. dist.,marked WC T43S R7W S14 BT
A cedar, 8 ins.diam.,bears S.46°E., 116 lks. dist.,marked WC T43S R7W S23 BT
A boxelder, 10 ins.diam.,bears S.12½°W., 232 lks. dist.,marked WC T43S R7W S22 BT
A cedar, 5 ins.diam.,bears S.87½°W., 61 lks. dist.,marked WC T43S R7W S15 BT

Land, rough mountainous, with abrupt rocky N. and S. slopes; drainage and exposure E. into Cottonwood Canyon.
Soil, rocky in form of ledges and outcrops of red sandstone formation, with shallow, loose sandy loam; deep, loose sandy loam in canyon bottoms.
Timber, cedar and pinon, except in canyon bottom where cottonwoods and few boxelders grow.
Undergrowth, scattering sage, service and oak brush.
Fair grazing land on portions of the mile which are not too rough.

From true point for cor. secs. 14-15-22 and 23.
N. 89°56' E., on random line bet. secs. 14 and 23.
40.00 Set temp. ¼ sec. cor.
79.82 Intersect N. and S. line, 12 lks. S. of true point for cor. of secs. 13-14-23 and 24, which is a cross cut in sandstone ledge, and is 50 lks. S. of the witness cor.
Thence from true cor. point.
S. 89°51' W., on true line bet. secs. 14 and 23.
Over broken mountainous land, through medium dense timber and scattering undergrowth; asc. from bottom of gulch

Chains	
	along a ledgy S. slope, 20 ft. to
6.00	Top of S. point on N. rim of gulch; desc. W. slope, 130 ft. to
14.00	Same gulch, course NW.; gradually asc. along broken N. slope, 80 ft. to
33.75	Top of ascent on N. slope, projects N.; gradually desc. along N. slope.
39.91	On N. slope, 40 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. dia., over cross cut in barren sandstone bedrock, 26 ins. in mound of stone, for the ¼ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S14}{S23}$ 1921
	from which
	A cedar, 7 ins.diam.,bears S.15°W., 93 lks. dist.,marked ¼ S23/BT
	A pinon, 5 ins.diam.,bears N.85°E., 72 lks. dist.,marked ¼ S14/BT
44.80	S. rim of gulch, 70 ft. below ¼ sec. cor., bears N.70°E. and SW.; desc. abruptly over ledges, 220 ft. to
51.70	Bottom of gulch, course S.60°W.; asc. abrupt E. slope over series of ledges, 140 ft. to
60.10	N. rim of gulch, bears N.70°E. and S.60°W.; thence more gradual ascent over SE. slope, 40 ft. to
66.15	Top of rocky spur, projects S. about 15 chs. to end; desc. abrupt, ledgy W. slope, 350 ft. to
77.75	Base of slope and enter level canyon bottom, bears N. and SE.
79.82	The true point for cor. of secs. 14-15-22 and 23.
	Land, broken mountainous, with general W. to SW. exposure and drainage into Cottonwood Canyon.
	Soil, rocky with some shallow, loose sand and sandy loam: red sandstone formation.
	Timber, medium dense cedar and pinon.
	Undergrowth, scattering sage, oak, and service brush.
	Fair grazing land on portions of the mile.

Chains	
	From true cor. point.
	N. 0°05' W., bet. secs. 14 and 15.
	Over mountainous land; through medium dense timber and scattering undergrowth; along level canyon bottom.
1.44	The witness cor.
6.80	N. edge of canyon bottom, bears NW., and E. for 2 chs. thence S.; asc. abrupt S. slope over broken ledges.
17.45	Top of ascent on W. slope, 280 ft. above canyon; desc. along broken W. slope, 100 ft. to
25.80	Gulch, course SW.; asc. S. slope, 160 ft. to
33.55	Spur, projects SW.; desc. N. slope.
40.00	On N. slope, 50 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. dia., 8 ins. in the ground to bedrock, and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S15 | S14 1921 from which A cedar, 10 ins. diam., bears N.39½°E., 100 lks. dist., marked $\frac{1}{4}$ S14 BT A cedar, 7 ins. diam., bears S.32¾°W., 28 lks. dist., marked $\frac{1}{4}$ S15 BT
42.30	Gulch, 20 ft. below $\frac{1}{4}$ sec. cor., course SW.; asc. abrupt S. slope over ledges, 135 ft. to
46.55	Top of 70 ft. rim ledge, bears NE. and S.80°W.; continue more gradual ascent of 75 ft. to
52.80	Spur, projects SW.; desc. 110 ft. to
63.10	Gulch, course SW.; asc. abrupt S. slope over ledges.
68.80	Top of 80 ft. rim ledge and N. edge of the gulch, 220 ft. above bottom, bears SW., and NE. for 3 chs. to where ledge crosses gulch, thence towards S.; asc. more gradually SE. slope.
72.00	S. end of wire fence from the N., bears E. of line about 1 ch. dist.
75.35	Top of raise on SW. slope, bears N.20°E. and SW.; thence gradually asc. along W. slope.

Chains	
80.00	On a gradual W. slope, 70 ft. above N. rim of gulch. Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 10-11-14 and 15, with brass cap marked

T43S	R7W
S10	S11
S15	S14

1921

from which

A cedar, 10 ins. diam., bears N.9½°E., 50 lks. dist., marked T43S R7W S11 BT
A pinon, 10 ins. diam., bears S.11½°E., 89 lks. dist., marked T43S R7W S14 BT
A pinon, 12 ins. diam., bears S.81°W., 113 lks. dist., marked T43S R7W S15 BT
A pinon, 14 ins. diam., bears N.84½°W., 89 lks. dist., marked T43S R7W S10 BT

Land, broken mountainous with general SW. exposure and drainage into Cottonwood Canyon.

Soil, rocky in form of ledges and boulders of red sandstone formation, with shallow, loose sand and some clay.

Timber, medium dense cedar and pinon.

Undergrowth, scattering sage, service and oak brush.

Fair grazing land.

	N. 89°51' E., on random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.74	Intersect the cor. of secs. 11-12-13 and 14.
	Thence
	S. 89°51' W., on true line bet. secs. 11 and 14.
	Over rolling mesa land, through scattering timber and dense, short undergrowth; gradually asc. E. slope.
25.00	Top of raise on mesa, 50 ft. above the sec. cor., bears NW. and S.70°E.; thence over slight S. exposure.
39.87	On mesa.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼ S11/S14

1921

Chains	
	from which
	A cedar, 14 ins.diam.,bears N.32°E., 78 lks. dist.,marked ¼ S11 BT
	A cedar, 5 ins.diam.,bears S.8°W., 33 lks. dist.,marked ¼ S14 BT
44.00	Begin gradual descent over W. slope, and enter heavier timber, bearing N. and S.
65.75	Ravine, 200 ft. below the 44 ch. point, course SW. Ascend gradual SE. slope.
75.95	Wire fence, bears N.20°E., and S.20°W.
77.50	Top of raise, 75 ft. above the ravine, bears N. and S.; desc. W. slope, 30 ft. to
79.74	The cor. of secs. 10-11-14 and 15.
	Land, rolling top of mesa, having E., and S. to SW. exposures.
	Soil, deep, loose sandy loam and loose sand; some scattered sandrock on W. portion of mile.
	Timber, scattering to medium dense cedar and pinon.
	Undergrowth, dense black sagebrush, with scattering oak and service brush. Good grazing land.
	ooo----------
	N. 0°05' W., bet. secs. 10 and 11.
	Over rolling mesa land, having a general western exposure, through medium dense to scattering timber, and considerable short undergrowth; gradually asc. along W. slope.
11.00	Spur, 50 ft. above sec. cor., projects W.; desc. gradual N. slope, 60 ft. to
21.25	Ravine, course N.70°W.; asc. gradual S. slope, 60 ft. to
30.50	Spur, projects W.; desc. gradual N. slope, 35 ft. to
40.00	On N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S10 | S11 1921
	from which
	A cedar, 6 ins.diam.,bears S.8°W., 284 lks. dist.,marked ¼ S10 BT

Chains

A cedar, 7 ins.diam.,bears S.55$\frac{1}{2}$°E., 86 lks. dist.,marked $\frac{1}{4}$ S11 BT

50.55 Swale, 50 ft. below $\frac{1}{4}$ sec. cor., course W.: asc. gradual S. slope, 65 ft. to

58.80 Spur, projects W.; desc. N. slope, 40 ft. to

74.00 Swale, drains W.; also trail from Kanab to Riggs' ranch, bears NW. and SE.; asc. 30 ft. to

80.00 On a gradual S. slope.

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 brass cap marked

T43S	R7W
S3	S2
S10	S11

1921

from which

A cedar, 8 ins.diam.,bears N.15$\frac{3}{4}$°E., 70 lks. dist.,marked T43S R7W S2 BT
A cedar, 6 ins.diam.,bears S.81°E., 89 lks. dist.,marked T43S R7W S11 BT
A cedar, 18 ins.diam.,bears S.42$\frac{1}{2}$°W., 89 lks. dist.,marked T43S R7S S10 BT
A cedar, 6 ins.diam.,bears N.34$\frac{3}{4}$°W., 196 lks. dist.,marked T43S R7W S3 BT

Land, rolling mesa top, having a general western exposure and drainage into Cottonwood Canyon.

Soil, deep, loose sandy loam and sand.

Timber, scattering to medium dense cedar and pinon.

Undergrowth, dense black sagebrush, 2 to 3 ft. high, with scattering oak and service brush.

Good grazing land.

N. 89°51' E., on random line bet. secs. 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.74 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 1-2-11 and 12. Thence

S. 89°54' W., on true line bet. secs. 2 and 11.

Over rolling mesa land, through scattering timber and dense short undergrowth: gently asc. over E. exposure.

39.87 On slight E. exposure, 75 ft. above sec. cor.

Chains	
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S2}{S11}$
	1921
	from which
	A cedar, 8 ins.diam.,bears N.80¼°E., 55 lks. dist.,marked ¼ S2 BT
	A cedar, 10 ins.diam.,bears S.69¼°E., 90 lks. dist.,marked ¼ S11 BT
42.60	Wire fence, bears about N. and S.
55.50	Top of ascent on mesa, 60 ft. above ¼ sec. cor., bears N.20°W. and S.20°E.; thence over W. and SW. exposures, desc. 25 ft. to
79.74	The cor. of secs. 2-3-10 and 11.
	Land, rolling mesa, with slight exposures to E. and SW.
	Soil, deep, loose sandy loam.
	Timber, scattering cedar and pinon.
	Undergrowth, dense sagebrush, with scattering rabbit and juniper brush. Good grazing land.

	N. 0°05' W., on random line bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
71.82	Intersect N. bdy. of tp., 25 lks. E. of the cor. of secs. 2-3-34 and 35, which is a sandstone, 16x10x3 ins. above ground, firmly set. marked and witnessed as described by the surveyor general. Thence
	S. 0°17' E., on true line, bet. secs. 2 and 3.
	Over rolling mesa land, through scattering timber and dense short undergrowth; over slight N. exposure.
7.25	Wire fence, bears NW. and SE.
31.82	On slight N. exposure, 60 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S3 | S2
	1921
	from which

Chains	
	A cedar, 4 ins. diam., bears N. 34½°E., 87 lks. dist., marked only BT A cedar, 10 ins. diam., bears N. 9°W., 176 lks. dist., marked ¼ S3/BT
67.50	Top of ascent on mesa, 80 ft. above ¼ sec. cor., bears E. and W.; thence over slight S. exposure, desc. 10 ft.
71.82	The cor. of secs. 2-3-10 and 11.
	Land, rolling mesa, with slight general northern exposure on nearly all of mile.
	Soil, deep, loose sandy loam.
	Timber, scattering cedar and pinon.
	Undergrowth, dense black sagebrush, 2 to 3 ft. high, with some scattering juniper and rabbit-brush.
	Good grazing land.

	From the cor. of secs. 3-4-33 and 34 on S. bdy. of tp., which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Thence
	N. 0°06' W., bet. secs. 33 and 34.
	Over mountainous land, through dense timber and scattering undergrowth.
2.00	Wash, 20 lks. wide, 3 ft. deep, in hollow, course E.; asc. gradually over broken land, facing S. to SW. towards high sandstone rim.
33.00	Base of high sandstone rim, bears NW. and SE.; abrupt ascent over S. slope, series of high red sandstone ledges, 20 to 80 ft. high.
40.00	On abrupt S. slope, 200 ft. above base of rim, and 380 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼

S33 | S34

1921

from which

Chains

A cedar, 6 ins.diam.,bears S.20°E., 44 lks. dist.,marked ¼ S34 BT
A cedar, 6 ins.diam.,bears S.43°W., 46 lks. dist.,marked ¼ S33 BT

45.95 Top of main rim ledge, 200 ft. high; nearly vertical; bears NW. and N.70°E.; thence a more gradual ascent over broken ledges.

62.00 Top of all ledges and edge of high mesa, 735 ft. above the ¼ sec. cor., and 1115 ft. above sec. cor., bears N.60°W. and S.70°E.; thence over rolling mesa top, loose sandy loam and very scattering timber.

80.00 On nearly level ground.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground; for cor. of secs. 27-28-33 and 34, with brass cap marked

T43S	R7W
S28	S27
S33	S34

1921

from which

A cedar, 14 ins.diam.,bears N.28¾°E., 171 lks. dist.,marked T43S R7W S27 BT
A cedar, 7 ins.diam.,bears S.84°E., 316 lks. dist.,marked T43S R7W S34 BT
A cedar, 8 ins.diam.,bears S.54°W., 464 lks. dist.,marked T43S R7W S33 BT

and dig pits, 18x18x12 ins., in each sec. 3 ft. dist. of post. No tree within limits in sec. 28.

S. 62 chs. is rough mountainous, with high, nearly inaccessible ledges, being the S. face of the Vermillion Cliffs; soil, rocky and some shallow sandy and clay loams; red sandstone formation; covered with scattering to medium dense growth of scrub cedar and pinon, and scattering undergrowth of sage, service, oak and manzanita brush: N. 18 chs. is rolling top of high mesa, covered with dense black sagebrush, 2 to 4 ft. high, and scattering cedar and pinon; soil, is deep, loose sandy loam and sand.

Goor grazing land on the mesa.

Chains	
	East, on random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line, 1 lk. N. of the cor. of secs. 26-27-34 and 35. Thence
	West, on true line bet. secs. 27 and 34.
	Over mountainous land, through medium dense timber and scattering undergrowth; asc. abrupt E. slope over boulders and low rim ledges, 640 ft. to
22.60	W. rim of Cottonwood Canyon, bears N.20°W. and S.20°E.; thence more gradual ascent over bench like slope, 130 ft. to
33.30	Spur, projects NE.; desc. abrupt NW. slope, 160 ft. to
40.00	On a gradual NW. slope at base of abrupt descent.
	Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for the ¼ sec. cor., with brass cap marked
	¼ S27/S34
	1921
	from which
	A cedar, 6 ins. diam., bears S.40°W., 13 lks. dist., marked ¼ S34 BT
	A cedar, 5 ins. diam., bears N.73°W., 27 lks. dist., marked ¼ S27 BT
	Gradually desc. broken N. slope, 130 ft. to
49.25	Gulch, course N.60°E.; asc. abrupt E. slope, 330 ft. to
61.20	Top of W. rim of gulch, and edge of mesa, bears NE. and S.; thence over rolling top of mesa, through scattering timber and dense undergrowth, asc. 30 ft. to
76.00	Top of ascent on mesa, bears NW. and SE.
80.00	The cor. of secs. 27-28-33 and 34.
	E. portion is rough mountainous, with E. and NE. slopes into Cottonwood Canyon; soil, rocky in form of ledges and outcrops, with some loose sand and clay; covered with medium dense cedar and pinon, and scattering undergrowth of sage, oak and service brush: W. portion of mile is rolling top of high mesa, deep, loose sandy

Chains	
	loam, covered with dense high sagebrush and scattering clumps of oak brush, 10 ft. to 20 ft. high, and very scattering timber of cedar and pinon. Red sandstone formation. Good grazing on mesa.

	N. 0°06' W., bet. secs. 27 and 28.
	Over rolling mesa land, through dense sagebrush and scattering clumps of oak brush, 10 ft. high, and few scattering trees.
3.00	Top of slight raise on mesa, bears NW. and SE.; thence over slight N. exposure.
13.00	Begin descent into ravine, bears NE. and SW.
27.90	Bottom of ravine, near head, 100 ft. below top, course NE.; gently asc. along nearly E. slope, 20 ft. to
38.00	N. edge of ravine, bears NE. and S.20°W.; thence across point of mesa.
40.00	On slight N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S28 | S27 1921
	from which
	A pinon, 14 ins.diam., bears N.68¾°E., 30 lks. dist., marked ¼ S27 BT A cedar, 5 ins.diam., bears S.45⅛°W., 65 lks. dist., marked ¼ S28 BT
45.65	N. edge of mesa and S. rim of Canyon, 35 ft. below ¼ sec. cor., bears W., and E. for 3 chs. thence to S.; desc. abrupt N. slope over series of high, vertical sandstone ledges.
56.10	Top of 100 ft. vertical sandstone ledge, bears E. and W.
59.60	Bottom of deep, narrow canyon, 620 ft. below rim, course E.; asc. abrupt S. slope over ledges.
69.60	Top of 60 ft. vertical ledges, bears E. and W.; continue more gradual ascent over rocky S. slope.
73.00	N. rim of canyon, 580 ft. above bottom, bears E. and

Chains

and S.70°W.; thence gradual ascent over rolling mesa top.

80.00 On a gradual SW. slope, 70 ft. above rim.

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

T43S	R7W
S21	S22
S28	S27

1921

from which

A pinon, 6 ins.diam.,bears N.61¼°E., 17 lks. dist.,marked T43S R7W S22 BT
A pinon, 10 ins.diam.,bears S.64½°E., 126 lks. dist.,marked T43S R7W S27 BT
A cedar, 8 ins.diam.,bears S.13¼°W., 38 lks. dist.,marked T43S R7W S28 BT
A pinon, 8 ins.diam.,bears N.14°W., 79 lks. dist.,marked T43S R7W S21 BT

Land, rough mountainous and rolling mesa; N. and S. exposures; drainage E. into Cottonwood Canyon.

Soil, rocky of red sandstone formation, with shallow sandy loam, on the rough portions; deep, loose sandy loam on mesa.

Timber, scattering to medium dense cedar and pinon.

Undergrowth, dense sagebrush, with scattering oak and service brush on greater portion, scattering on the roughest portion.

Good grazing land on mesa.

East, on random line, bet. secs. 22 and 27.

40.00 Set temp. ¼ sec. cor.,

80.00 Intersect N. and S. line, 5 lks. N. of the cor. of secs. 22-23-26 and 27. Thence

N. 89°58' W., on true line bet. secs. 22 and 27.

Over mountainous land, through medium dense timber and scattering undergrowth; asc. steep, rocky E. slope, 150 ft. to

6.90 Top of ascent on low spur, projects S.; thence along a broken, rocky S. slope.

31.00 Depression on S. slope, 50 ft. below spur, drains S.

Chains	
	Ascend 60 ft. to
40.00	On a gradual SE. slope at base of 90 ft. sandstone ledge, bearing NE. and SW.
	Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S22/S27 1921
	from which
	A pinon, 6 ins. diam., bears S.40°E., 42 lks. dist., marked ¼ S27 BT A pinon, 6 ins. diam., bears N.5°W., 51 lks. dist., marked ¼ S22 BT
	Abrupt ascent over SE. face of rim ledge, 95 ft. to
42.00	Top of S. point of ledge, bears NE. and N.80°W.; desc. abrupt SW. face.
44.80	Base of the rim ledge, bears N.80°W. and S.80°E.; thence along a broken S. slope, desc. 20 ft. to
49.80	Depression on S. slope, drains S.; asc. abrupt E. slope over series of high sandstone ledges.
61.85	Top of main rim ledge, 70 ft. high, bears N.30°E. and S.;
65.00	Top of abrupt ascent on edge of mesa, 380 ft. above the depression, bears NE. and SW.; gradually asc. along broken top of mesa, 70 ft. to
80.00	The cor. of secs. 21-22-27 and 28.
	Land, broken mountainous, having a general S. and SE. exposure and drainage.
	Soil, rocky in form of sandstone outcrops and ledges, with some shallow sandy loam; red sandstone formation.
	Timber, medium growth of scrub cedar and pinon.
	Undergrowth, scattering sage, service, oak and juniper brush. Poor grazing land.

	N. 0°06' W., bet. secs. 21 and 22.
	Over broken mesa land, through, through medium dense timber and considerable undergrowth; gently asc. 15 ft.
4.60	Ridge, bears E. and W.; gradually desc. N. slope, 145 ft.

Chains	
16.00	S. rim of gulch, bears NE., and S.60°W. about 10 chs. to head; desc. abruptly 220 ft. to
23.00	Bottom of gulch, course NE.; abrupt ascent over SE. slope over series of broken sandstone ledges.
35.50	N. rim of gulch, 300 ft. above bottom, bears NE. and SW. Thence across point of mesa, projetcing NE.
39.25	Top of raise on mesa, bears NE. and SW.; desc.
40.00	On N. slope, 15 ft. below top.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼
S21 | S22
1921

from which

A cedar, 16 ins.diam.,bears S.89°E., 28 lks. dist.,marked ¼ S22 BT
A cedar, 10 ins.diam.,bears N.10½°W., 40 lks. dist.,marked ¼ S21 BT

	Desc. N. slope, 85 ft. to
44.20	S. rim of gulch, bears NE. and SW.; desc. abrupt N. slope.
57.70	Gulch, 295 ft. below rim, course NE.; asc. abrupt SE. slope, 165 ft. to
71.40	N. rim of gulch, bears NE. and SW.; thence more gradual ascent of 75 ft. to
75.75	Spur, projects NE.; desc. along steep, rocky W. slope.
80.00	On steep W. slope, 80 ft. below spur.
	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 brass cap marked:

T43S	R7W
S16	S15
S21	S22

1921

from which

A pinon, 8 ins.diam.,bears N.6¼°E., 135 lks. dist.,marked T43S R7W S15 BT
A pinon, 12 ins.diam.,bears S.81½°E., 39 lks. dist.,marked T43S R7W S22 BT
A pinon, 13 ins.diam.,bears S.53½°W., 69 lks. dist.,marked T43S R7W S21 BT
A pinon, 8 ins.diam.,bears N.43¼°W., 86 lks. dist.,marked T43S R7W S16 BT

Chains	
	Land, broken mountainous and mesa tops, with general NE. exposure and drainage.
	Soil, rocky and sandy loam; red sandstone formation.
	Timber, medium growth of cedar and pinon.
	Undergrowth, considerable sage, service, oak and juniper brush. Good grazing land on portions of the mile.

	S. 89°58' E., on random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line, 28 lks. N. of the true point for cor. of secs. 14-15-22 and 23, which is 1.44 chs. S. of the witness cor. Thence
	N. 89°46' W., on true line bet. secs. 15 and 22.
	Across canyon bottom, through sagebrush and few scattered cottonwoods.
4.50	Stream of good water, 6 lks. wide, 1 in. deep, in wash, 1 ch. wide, 20 ft. deep, in bottom of Cottonwood Canyon, course SE.
6.00	Lave canyon bottom, bears NW. and SE.; asc. abrupt E. slope, over series of broken sandstone ledges, through medium dense timber and undergrowth.
21.25	Top of ledges and W. rim of Cottonwood canyon, 650 ft. above bottom, bears N. and SW.; thence more gradual ascent of 30 ft. to
25.50	Spur, projects NE.; gradually desc. NW. slope, 140 ft. to
35.90	Top of 100 ft. sandstone rim ledge, bears N.20°E. and S.20°W.; desc. abrupt W. face.
37.50	Base of the rim ledge, bears with top; desc. gradual broken W. slope.
40.01	On gradual W. slope, 170 ft. below top of ledge.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S15}{S22}$
	1921
	from which

Chains	
	A pinon, 6 ins.diam.,bears N. 16°E., 41 lks. dist.,marked ¼ S15 BT A pinon, 18 ins.diam.,bears S.20°W., 41 lks. dist.,marked ¼ S22 BT
47.00	Gulch, 160 ft. below ¼ sec. cor., course N.20°E.; asc.
51.00	Low sandy spur, 85 ft. above gulch, projects N.30°E.; gradually desc. W. slope, 65 ft. to
57.35	Gulch, course NE.; asc. abrupt E. slope over series of sandstone ledges, 270 ft. to
69.65	Top of ascent on N. end of high spur from the SW.; thence along steep N. slope, asc. 50 ft. to
78.00	Desc. abrupt W. slope, 60 ft. to
80.02	The cor. of secs. 15-16-21 and 22.
	Land, rough mountainous, with abrupt E. and W. slopes, drainage E. and N. into Cottonwood and Water Canyons. Soil, rocky in form of ledges and outcrops of red sandstone formation, with shallow loose sand. Timber, medium dense cedar and pinon. Undergrowth, medium growth of sage, oak and service brush. Fair grazing land on portions of the mile.

	N. 0°06' W., bet. secs. 15 and 16.
	Over rough mountainous land, through medium dense timber and scattering undergrowth; desc. along W. slope, 30 ft. to
2.70	S. rim of Water Canyon, bears E., and W. for 2 chs. thence to S.; desc. abrupt N. slope over ledges, 345 ft. to
13.55	Stream, 15 lks. wide, 2 ins. deep, good water, in wash, 1 ch. wide, 40 ft. deep, in bottom of Water Canyon, 5 chs. to east of junction of canyons from the NW. and SW., course E.; asc. abrupt S. slope over series of high sandstone ledges.
22.10	Top of a 90 ft. rim ledge, bears E. and SW.
26.55	N. rim of the canyon, 515 ft. above bottom, bears S.80°E. and W.; thence more gradual ascent over broken general SW. slope towards mesa top.

Chains	
28.25	Low spur, 40 ft. above rim, projects SW. 2 chs. to end.; gradual ascent along W. slope, 50 ft. to
40.00	On rocky SW. slope.
	Set an iron post, 3 ft. long, 1 in. dia., over cross cut in sandstone bedrock, 26 ins. in a large mound of stone, 5 ft. base, for the ¼ sec. cor., with brass cap marked
	¼ S16 | S15 1921
	from which
	A pinon, 6 ins.diam.,bears S.10¼°E., 73 lks. dist.,marked ¼ S15 BT A pinon, 8 ins.diam.,bears N.35½°W., 30 lks. dist.,marked ¼ S16 BT
44.00	Top of ridge on mesa, leave rocky and enter deep sandy loam, 55 ft. above ¼ sec. cor., bears NW. and S.70°E.; thence over rolling mesa; gently desc. 110 ft. to
61.00	Cross head of swale, drains NE.: asc. 30 ft. to
69.20	Spur on mesa, projects NE.: gently desc. N. slope, 65 ft.
80.00	On gentle N. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground; for cor. of secs. 9-10-15 and 16, with brass cap marked
	T43S | R7W S9 | S10 S16 | S15 1921
	from which
	A pinon, 6 ins.diam.,bears N.26¾°E., 115 lks. dist.,marked T43S R7W S10 BT A cedar, 14 ins.diam.,bears S.75½°E., 33 lks. dist.,marked T43S R7W S15 BT A pinon, 8 ins.diam.,bears S.65¼°W., 96 lks. dist.,marked T43S R7W S16 BT A pinon, 6 ins.diam.,bears N.22°W., 43 lks. dist.,marked T43S R7W S9 BT
	Land, rough mountainous and rolling mesa; N. and S. exposures, drainage E.
	Soil, rocky in form of ledges and outcrops of red sandstone formation with covering of loose sand on the rough portions; deep, loose sandy laom on mesa.

Chains	
	Timber, medium dense cedar and pinon.
	Undergrowth, scattering sage, oak and service brush.
	Good grazing land on mesa.

	S. 89°46' E., on random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect the cor. of secs. 10-11-14 and 15. Thence N. 89°46' W., on true line bet. secs. 10 and 15.
	Over mountainous land, through medium dense timber and scattering undergrowth; desc. rocky SW. slope, 140 ft.
5.30	Cross head of gulch, course SW.; asc. SE. slope, 120 ft.
22.40	Spur, projects SW.; desc. steep NW. slope over broken ledges.
39.99	On W. slope at base of abrupt descent and ledges, 350 ft. below spur, bears N. and S.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S10/S15
	1921
	from which
	A pinon, 24 ins. diam., bears S.57¼°W., 65 lks. dist., marked ¼ S15 BT
	A cedar, 14 ins. diam., bears N.10°E., 83 lks. dist., marked ¼ S10 BT
	Desc. more gradual W. slope, 120 ft. to
47.40	Wash, 20 lks. wide, 10 ft. deep, dry, in bottom of Cottonwood Canyon, course S.20°E.; asc. steep, rocky E. slope.
54.80	S. end of old brush fence, bears N.20°E.
65.00	W. rim of canyon, 320 ft. above bottom, bears N. and SE.
	Thence more gradual ascent over NE. and N. slopes, 125 ft. to
79.98	The cor. of secs. 9-10-15 and 16.
	Land, broken mountainous, with general E. and W. exposures and drainage into Cottonwood Canyon, course about S.
	Soil, rocky of red sandstone formation, with shallow loose sandy loam, on rock subsoil.

Chains	
	Timber, medium dense cedar and pinon.
	Undergrowth, scattering sage, oak and service brush.
	Fair grazing land on greater part of the mile.
	Note: Center of Cliff Dwellers' ruins, bears N.62°10' E., about 60 chs. dist. on E. side of Cottonwood Canyon.

	N. 0°06' W., bet. secs. 9 and 10.
	Over mountainous land, through dense timber and scattering undergrowth; desc. N. slope, 15 ft. to
1.25	S. rim of Farm Canyon, bears E. and W.; desc. abrupt N. slope, 275 ft. to
16.85	Small stream of good water, 1 lk. wide, 1 in. deep, in bottom of Farm canyon, course E.; asc. S. slope.
17.10	Road, bears E. and W.
30.50	N. rim of canyon, 250 ft. above bottom, bears E, and W.; thence more gradual ascent over mesa.
40.00	On a gradual S. slope, 90 ft. above the rim.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ / S9 | S10 / 1921
	from which
	A cedar, 12 ins.diam., bears S.6¼°W., 121 lks. dist., marked ¼ S9 BT
	A cedar, 14 ins.diam., bears S.69½°E., 52 lks. dist., marked ¼ S10 BT
44.00	Top of ascent on mesa, 15 ft. above ¼ sec. cor., bears W. and NE.; graduall desc. N. and NE. slopes.
70.00	Depression on E. slope, 100 ft. below top, drains S.; thence gently asc. SE. exposure, 35 ft. to
80.00	On rolling meda top.
	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 brass cap marked
	T43S | R7W S4 | S3 S9 | S10 1921

Chains	
	from which
	A cedar, 7 ins.diam.,bears N.41°E., 64 lks. dist.,marked T43S R7W S3 BT
	A cedar, 8 ins.diam.,bears S.38½°E., 31 lks. dist.,marked T43S R7W S10 BT
	A cedar, 12 ins.diam.,bears S.13¼°W., 169 lks. dist.,marked T43S R7W S9 BT
	A cedar, 8 ins.diam.,bears N.25½°W., 209 lks. dist.,marked T43S R7W S4 BT
	Land, mountainous and rolling mesa, drainage E.
	Soil, rocky on canyon slopes; deep, loose sandy loam on mesa.
	Timber, dense cedar and pinon, becoming less dense on northern portion.
	Undergrowth, scattering sage, service and oak brush.
	Fair grazing land.

	S. 89°46' E., on random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line, 2 lks. N. of the cor. of secs. 2-3-10 and 11. Thence
	N. 89°45' W., on true line bet. secs. 3 and 10.
	Over rolling mesa land, through scattering timber and medium dense short undergrowth; gradually desc. rolling SW. slope.
14.00	Trail from Kanab to Riggs' ranch, bears NW. and SE.
30.00	Enter heavier timber and less dense undergrowth, bears NW. and SE.
31.00	Begin descent into draw, bears NE. and SW.
39.30	Bottom of draw, 190 ft. below sec. cor., course SW.
40.02	On gentle SE. slope, 5 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ½ sec. cor., with brass cap marked
	¼ S3/S10
	1921
	from which
	A pinon, 8 ins.diam.,bears N.22°W., 88 lks. dist.,marked ¼ S3 BT
	A pinon, 6 ins.diam.,bears S.13°W., 94 lks. dist.,marked ¼ S10 BT

Chains	
	Gradually asc. over SE. slope.
45.00	W. edge of draw, bears NE. and SW.; continue ascent over mesa.
51.50	Top of ascent on mesa, bears N. and S.; desc. 15 ft. to
57.50	E. rim of Cottonwood Canyon, bears N. and SW.; desc. abrupt W. slope over ledges, 195 ft. to
65.20	Base of slope and enter canyon bottom, bears NE. and SW.; thence across level canyon bottom, through meadow or slough land.
70.44	Point from which, the SE. cor of frame building, 14x36 ft. built over a spring draining SE., bears N.17°W., 39 lks. dist.; SW. cor. of B.A. Riggs' house, L shaped, 14x28 and 12x15 ft., bears N.32¼°E., 1.88 chs. dist.; center of W. side of cave, 125 ft. long, 80 ft. deep, and 40 ft. high, (used as stable) bears N.70°E., 6.10 chs. dist.
70.20	Leave canyon bottom, bears NE. and SW.; asc. abrupt E. slope over ledges, 135 ft. to
74.50	W. rim of Cottonwood Canyon, bears N.30°E. and S.30°W.; thence over rolling mesa land.
80.04	The cor. of secs. 3-4-9 and 10.
	Land, rolling mesa and broken slopes of canyon; general SW. exposure and drainage into Cottonwood Canyon on eastern portion and to SE. on W. end of mile.
	Soil, deep, loose sandy loam, except on canyon slopes, which are mostly rock of red sandstone formation.
	Timber, scattering to medium dense cedar and pinon.
	Undergrowth, considerable sagebrush, with scattering oak brush. Good grazing land.

	N. 0° 17' W., on random line bet. secs. 3 and 4.
40.00	Set temp. ½ sec. cor.
71.54	Intersect the N. bdy. of tp., 4 lks. E. of the cor. of secs. 3-4-33 and 34, which is a cedar post, 4 ins. square, extending 3 ft. above ground, firmly set, marked and witnessed as described by the surveyor gener-

Chains	
	al. Thence
	S. 0°19' E., on true line, bet. secs. 3 and 4.
	Over gentle rolling land, through scattering timber and considerable short undergrowth.
31.54	On a slight E. exposure.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S4 | S3 1921
	from which
	A cedar, 16 ins. diam., bears N. 49¼°E., 95 lks. dist., marked ¼ S3 BT A cedar, 8 ins. diam., bears S. 45¾°W., 90 lks. dist., marked ¼ S4 BT
35.25	Old road, bears NE. and SW.
51.75	Brush fence, bears E. and W.
53.30	Small spring branch, 1 lk. wide, 1 in. deep, in ravine, 60 ft. deep, course E.
71.54	The cor. of secs. 3-4-9 and 10.
	Land, rolling mesa, with slight, general E. exposure into Cottonwood Canyon, which heads to E. of line, about ¼ mile N. of ¼ sec. cor.
	Soil, mostly deep, loose sand and sandy loam, with outcrops of sandstone along ravine.
	Timber, scattering cedar and pinon.
	Undergrowth, medium dense sagebrush, with some scattering oak brush. Good grazing land.

	From the cor. of secs. 4-5-32 and 33 on the S. bdy. of tp., which is an iron post, 3 ins. dia., extending 14 ins. above the ground, firmly set, marked and witnessed as described by the surveyor general. Thence
	N. 0° 07' W., bet. secs. 32 and 33.
	Over rough mountainous land, through medium dense timber, and scattering undergrowth; desc. along broken, rocky NW. slope, 160 ft. to

Chains	
11.70	Bottom of canyon, course N.70°E.; asc. steep, rocky S. slope towards base of ledges, 415 ft. to
31.00	Base of high sandstone rim, bears E. and W.; thence precipitous ascent over S. face of ledges, 275 ft. to
33.55	Top of main rim ledges, bears E. and S.80°W.; continue abrupt ascent over broken ledges and outcrops.
40.00	On S. slope, on top of spur, 925 ft. above canyon. Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked

¼

S32 | S33

1921

from which

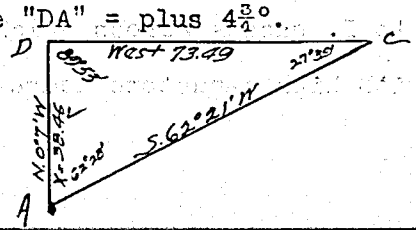
A cedar, 14 ins. diam., bears S.79½°E., 39 lks. dist., marked ¼ S33 BT
A cedar, 6 ins. diam., bears S.75°W., 22 lks. dist., marked ¼ S32 BT

Asc. 30 ft. to

41.10	Top of high, rugged spur, 955 ft. above canyon, projects S.80°E., about 10 chs. dist. to end.
41.54	The line N. passes across gulch, approximately 800 ft. deep, rimmed with high, vertical sandstone walls, which make chaining impossible, therefore I proceed by triangulation as follows:

Erect flag at this point which I designate "A" and set flag "B" N.0°07' W. to N. of gulch. From the cor. of secs. 27-28-33 and 34, measure West, 6.83 chs. to point which I designate "C"; the line "AC" bears S.62°21' W. I now measure base line "CD", West, 73.49 chs. to a point N.0°07' W. of flag "A" and S.0°07' E. of flag "B" (for method of obtaining base line see random line bet. secs. 28 and 33) All bearings taken by direct reading of the solar and checked by deflections.

Vertical angle "DA" = plus 4¾°.



Chains

Triangulation dist. = 38.46 chs.
Dist. by measurement = 41.54 "
Dist. to "D" --------- 80.00 "

Approximate topography from "A" as follows:

Desc. precipitous N. slope over high, vertical ledges.

54.00 Bottom of deep gulch, 800 ft. deep, heads about 25 chs. W. against a 300 ft. vertical wall, course E.; asc. abrupt, ledgy SE. slope.

73.00 N. rim of gulch, bears NE. and SW.; thence gradually asc. S. slope in cove of a higher rim, 50 ft. to

80.00 On a gradual SE. slope on W. edge of draw bottom, 175 ft. below spur at 41 chs.

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 brass cap marked

T43S	R7W
S29	S28
S32	S33

1921

from which

A pinon, 6 ins.diam., bears N.18¼°E., 74 lks. dist., marked T43S R7W S28 BT
A pinon, 8 ins.diam., bears S.35½°E., 89 lks. dist., marked T43S R7W S33 BT
A pinon, 8 ins.diam., bears S.45°W., 17 lks. dist., marked T43S R7W S32 BT
A pinon, 10 ins.diam., bears N.49¼°W., 73 lks. dist., marked T43S R7W S29 BT

Land, rough mountainous and exceptionally difficult to survey; abrupt, ledgy N. and S. slopes; drainage E.

Soil, mostly rocky in form of ledges and outcrops of red sandstone formation; with some shallow sand, sandy loam and clay.

Timber, medium dense cedar and pinon.

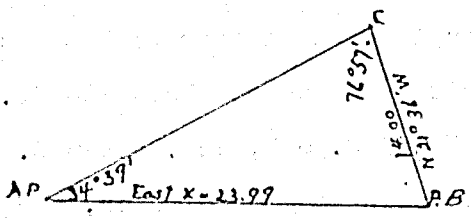
Undergrowth, scattering sage, service, oak and manzanita brush. Too rough for grazing land.

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

27.01 The line to E. passes across gulch about 600 ft. deep, rimmed with high sandstone ledges, which make chaining

Subdivision of T. 43 S. R. 7 W.

chains	
	impossible, therefore I triangulate as follows:
	Erect flag at this point which I designate "A" and set flag "B", East, on opposite rim. There being no suitable place for a base line on this side of rim, proceed to "B" from which measure base line "BC", N.21°36'W., 14.00 chs. to point whence "AB" subtends angle of 76° 57'. From "A" the base "BC" subtends angle of 34°39'. All bearings taken by direct reading of the solar and checked by deflection. Vertical angle "AB" = -4°10'.



Dist. by triangulation	= 23.99 chs.
Dist. by measurement	= 27.01 "
Dist. to flag "B" - - - - - -	51.00 "
By return measurement	= 4.50
	46.50 "

46.50	Leave temp. witness ¼ sec.cor.
80.32	Intersect the cor. of secs. 27-28-33 and 34, Thence West, on true line bet. secs. 28 and 33. Over rolling top of mesa, through dense sagebrush; deep sandy loam soil.
12.00	Enter scattering timber and less dense undergrowth, bears NW and SE.
14.00	Point 2 chs. N. of edge of mesa and top of high sandstone rim, bearing SE. and SW.
29.32	Point of triangulation on E. rim of gulch and top of a 40 ft. rim ledge, 125 ft. below sec.cor., bears N. 30°W and S. 30°E. desc. abrupt W. slope, 165 ft. (By chaining) to
33.82	On a W. slope on top of 300 ft. vertical ledge, bearing N. 30°W and SE. Set an iron post, 3 ft. long, 1 in.dia., 26 ins. in the ground, for witness cor. to the ¼ sec.cor., with brass cap marked

WC ¼ S28/S33
1921

chains	
	From which
	A pinon, 8 ins. diam. bears S. 7¼°E, 17 lks. dist., marked WC ¼ S 33 BT.
	A pinon, 8 ins. diam., bears N. 56¼°E., 102 lks. dist. marked WC ¼ S28 B.T.
	Thence by triangulation from the 29.32 ch. point, with approximate topography as follows:
	Desc. precipitous W. slope over ledges.
40.16	True point for ¼ sec.cor. falls on impracticable place; no cor. set.
41.00	Bottom of gulch, near head, 600 to 700 ft. deep, course S.; asc. abrupt E. slope over high sandstone ledges.
50.00	W. rim of gulch and top of about 250 ft. vertical ledge, bears N. 30°E and S.30°W; asc. steep E. slope, 175 ft. to
53.31	Triangulation point on top of spur, projects S. 5 chs. to end against W., desc. gradually along broken, rocky S. slope, 190 ft. to
61.00	Depression on S. slope, drains S., gradually asc. E. slope, 140 ft. to
73.20	Top of ascent on S. slope, projects S., desc. rough, rocky W. slope, 200 ft. to
80.03	Base of descent in small branch draw, course S. 30°E asc. 10 ft. to
80.32	The cor. of secs. 28-29-32 and 33.
	E. 29 chs. is rolling mesa top, deep, loose sandy loam soil, covered with dense sagebrush and some scattering cedar and pinon, on W. portion; remainder of mile is rough mountainous with general southern exposure and drainage; soil, rocky in form of sandstone outcrops and ledges, covered with scattering cedar and pinon and sage, service, mazanita and oak brush.
	Good grazing land on portions of the mile
	N. 0° 07' W., bet. secs. 28 and 29.
	Over mountainous land, through medium dense timber and undergrowth; Asc. S. slope.

Chains	
0.30	Small branch-draw, near head, course S.30°E.
2.95	Top of 60 ft. vertical rim ledge, 125 ft. above sec. cor., bears SE. and SW.; continue ascent over rocky S. slope.
14.00	Top of ascent on ridge, 390 ft. above sec. cor., bears E. and S.80°W.; gradually desc. N. slope, 100 ft. to
38.70	Near head of ravine, course E.; asc. rolling SE. slope.
40.00	On a S. slope, 15 ft. above the ravine.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S29 | S28 1921
	from which
	A cedar, 8 ins.diam.,bears S.58°E., 43 lks. dist.,marked ¼ S28 BT A cedar, 14 ins.diam.,bears S.42°W., 8 lks. dist.,marked ¼ S29 BT
55.40	Ridge, 70 ft. above ¼ sec. cor., bears N.70°E. and SW.; desc. steep N. slope, 175 ft.
65.55	S. rim of canyon, bears W., and E. for 1 ch. thence N.30°E.; desc. abrupt N. and NW. slopes over high, rim ledges, 500 ft. to cor.
79.65	At base of slope in S. edge of Canyon bottom, bearing NE. and W.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for witness cor. to the cor. of secs. 20-21-28 and 29, with brass cap marked
	WC T43S | R7W S20 | S21 S29 | S28 1921
	from which
	A red pine, 18 ins.diam.,bears N.74½°E., 63 lks. dist.,marked WC T43S R7W S28 BT A boxelder, 12 ins.diam.,bears N.39½°E., 116 lks. dist.,marked WC T43S R7W S21 BT A maple, 5 ins.diam.,bears S.52½°W., 57 lks. dist.,marked WC T43S R7W S29 BT A boxelder, 10 ins.diam.,bears N.2¾°W., 83 lks. dist.,marked WC T43S R7W S20 BT

Chains	
80.00	True point for cor. of secs. 20-21-28 and 29 falls in bottom of Water Canyon, on ground subject to overflow, where cor. cannot be perpetuated. No cor. set here. Land, mountainous, with southern exposure on S. 14 chs. and to N. and N. onremainder of mile. Soil, rocky in form of ledges and outcroppings of red sandstone formation, with shallow, loose sand and sandy loam. Timber, medium dense cedar and pinon, with some scattering red pine and fir on N. end of mile on N. slope. Undergrowth, medium growth of sage, service, oak and manzanita brush. Fair grazing land on portions of the mile.

	From true cor. point. East, on random line bet. secs. 21 and 28.
40.00	Set temp. ¼ sec. cor.
80.26	Intersect N. and S. line, 16 lks. N. of the cor. of secs. 21-22-27 and 28. Thence N. 89°53' W., on true line bet. secs. 21 and 28. Over rolling mesa land, through medium dense timber and short undergrowth; along a broken S. slope to
9.00	Ridge, bears N.70°E. and S.70°W.; thence along a slight N. and NE. exposure, through more scattering timber.
32.00	Cross head of swale, drains N. 70°E.; thence over gradual SE. slope.
40.13	On a gradual SE. slope, 60 ft. above ridge at 9 chs. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked $\frac{1}{4}\ \frac{S21}{S28}$ 1921 from which A cedar, 6 ins. diam., bears N.31¾°E., 52 lks. dist., marked ¼ S21 BT A cedar, 8 ins. diam., bears S.54½°W., 74 lks. dist., marked ¼ S28 BT

Chains	
55.10	Ridge, 35 ft. above ¼ sec. cor., bears N.20°E. and S.20°W. Desc. steep W. slope, 165 ft. to
70.25	E. rim of Water Canyon, bears N.20°E. and S.10°W.; desc. abrupt W. slope over high, broken sandstone ledges, 450 ft. to cor.
79.80	Base of slope and enter canyon bottom, bears N. and S.
80.26	The true point for cor. of secs. 20-21-28 and 29, which is 35 lks. N. of the witness cor.
	Land, rolling mesa and rough mountainous.
	Soil, mostly a deep, loose sandy loam on the mesa; rocky in form of ledges and outcrops of red sandstone formation, with some loose sand on the rough canyon slope.
	Timber, medium dense to scattering cedar and pinon, with some red pine on canyon slope.
	Undergrowth, sagebrush, with scattering service and oak brush. Good grazing land on mesa.

	N. 0°07' W., bet. secs. 20 and 21, from true cor. point. Along narrow bottom of Water Canyon, through scattering cottonwoods and boxelders.
2.30	Small stream of good water, 8 lks. wide, 2 ins. deep, in wash, 1 ch. wide, 8 ft. deep, sandy bottom, course N.30°E.
4.10	Recross same, course N.30°W.
6.60	Recross same, course N.30°E.
7.10	Leave canyon bottom, bears N.30°E. and S.20°W.; thence over rough mountainous land, through medium dense timber and considerable undergrowth; asc. rocky SE. slope.
11.75	Top of ascent on E. slope, 90 ft. above canyon, ascends W. to rim of the canyon; desc. NE. slope, 75 ft. to
13.85	Branch gully, course N.80°E.; asc. steep, rocky S. slope.
22.00	Top of 125 ft. vertical sandstone ledge on N. rim of Canyon, 415 ft. above bottom, bears N.80°W. and NE.; thence gradually asc. broken SE. and E. slopes, 115 ft.
31.10	Top of ascent on E. slope of mesa, bears E. to rim and W.

Chains	
	Gradually desc. broken N. slope, 65 ft. to
35.60	As the true point for ¼ sec. cor. will fall on impracticable ground, therefore at this point, on top of 70 ft. vertical rim ledges bears NW. and E.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a large mound of stone, for witness cor. to the ¼ sec. cor., with brass cap marked

W C
¼
S20 | S21
1921

from which

A pinon, 10 ins.diam.,bears S.24°E., 23 lks. dist.,marked WC ¼ S21 BT
A pinon, 8 ins.diam.,bears S.54½°W., 48 lks. dist.,marked WC ¼ S20 BT

35.70	Top of 70 ft. rim ledge on W. rim of Water Canyon, bears NW. and E.; desc. abruptly N. slope, 200 ft. to
40.00	True point for the ¼ sec. cor., falls in bottom of cove on E. slope among huge boulders and rim ledges. No cor. set here; asc. 200 ft.
46.80	Same rim ledge, 65 ft. high, bears E. and SW.; asc. gradually broken S. and SE. slopes, 160 ft. to
59.35	Ridge on mesa, bears NE. and SW.; desc. steep N. slope, 155 ft. to
68.30	Rim of canyon, and top of 125 ft. vertical ledge, bears N.70°E. and S.70°W.; desc. abrupt N. slope through scattering red pine and fir, and heavier undergrowth.
76.00	Stream of clear water, 3 lks. wide, 1 in. deep, in narrow bottom of fork of Water Canyon, 350 ft. below the rim, course NE.; asc. steep, rocky SE. slope.
80.00	On steep, rocky SE. slope, at base of a 15 ft. rim ledge, bearing NE. and SW., and 100 ft. above stream.
	Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in the ground, for cor. of secs. 16-17-20 and 21, with brass cap marked

T43S | R7W
S17 | S16
S20 | S21
1921

Chains	
	from which
	A cross (X) on S. face of ledge, bears N.40°E., 6 lks. dist., with marks BO S16
	A pinon, 6 ins.diam.,bears S.60°E., 108 lks. dist.,marked T43S R7W S21 BT
	A pinon, 14 ins.diam.,bears S.16°W., 134 lks. dist.,marked T43S R7W S20 BT
	A cross (X) on S. face of ledge, bears N.30°W., 3 lks. dist., with marks BO S17
	Land, rough mountainous and rolling and broken mesa, with general NE. exposure and drainage. Canyon slopes are exceptionally difficult to survey on account of high, vertical ledges, necessitating long detours.
	Soil, rocky in form of ledges, outcrops and boulders, with shallow, loose sandy loam; red sandstone formation.
	Timber, medium dense cedar and pinon, with some scattering red pine and fir on steep N. slopes.
	Undergrowth, medium growth of sage, service, oak and manzanita brush. Fair grazing land on small portions of the mile.

	S. 89°53' E., on random line bet. secs. 16 and 21.
38.10	Set. temp. witness ¼ sec. cor.
80.26	Intersect N. and S. line,23 lks. S. of the cor. of secs. 15-16-21 and 22. Thence
	S. 89°57' W., on true line bet. secs. 16 and 21.
	Over rough mountainous land, through scattering timber and medium undergrowth; desc. abrupt W. slope.
1.25	Top of 125 ft. vertical sandstone wall, 40 ft. below sec. cor., bears N. and S.30°W.; abrupt descent W. slopes over ledges and abrupt slope into canyon.
10.25	Stream, 10 lks. wide, 2 ins. deep, in bottom of Water Canyon, 325 ft. below sec. cor., course N.30°E.; asc. abrupt E. and SE. slope over series of high, sandstone ledges.
34.00	Thence along a broken S. face of rim ledge, 100 ft. high, bears N.60°E. and nearly W.
40.13	True point for ¼ sec. cor. falls on precipitous S. face of ledge where cor. cannot be set. No cor. set here.

Chains	
41.60	Top of 100 ft. rim ledge and W. rim of Water Canyon, 530 ft. above bottom, bears E. and S.30°W.
42.16	On a gradual E. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 16 ins. in the ground to bedrock, and in a large mound of stone, for witness cor. to the ¼ sec. cor., with brass cap marked
	$\frac{1}{4}\ \frac{S16}{S21}\ WC$
	1921
	from which
	A pinon, 10 ins.diam.,bears S.14°W., 25 lks. dist.,marked WC ¼ S21 BT
	A pinon, 6 ins.diam.,bears N.45½°W., 37 lks. dist.,marked WC ¼ S16 BT
	Asc. gradual E. slope, 130 ft. to
54.50	Ridge, bears NE. and SW.; gradually desc. W. slope, 150 ft. to
66.20	Top of 120 ft. vertical rim ledge on E. brink of canyon, bears NE. and S.30°W.; desc. abrupt W. slope over series of rim ledges, 375 ft. to
75.35	Stream. 3 lks. wide, 1 in. deep, in bottom of fork of Water Canyon, course N.30°E.; asc. abrupt E. slope over broken ledges, 180 ft. to
80.26	The cor. of secs. 16-17-20 and 21.
	Land, rough mountainous, with abrupt, ledgy slopes; drainage NE.
	Soil, mostly rocky in form of ledges and outcroppings, with shallow, loose sandy loam; red sandstone formation.
	Timber, scattering to medium dense cedar and pinon, with few scattered red pines on canyon slopes.
	Undergrowth, medium growth of sage, service, oak and manzanita brush. Too rough gor grazing.

	N. 0°07' W., bet. secs. 16 and 17.
	Over rough mountainous land, through medium dense timber and undergrowth; asc. steep, rocky SE. slope, 80 ft.

Chains	
3.25	Top of low, rocky spur, projects E.; desc. steep N. slope.
8.10	Spring branch, 5 lks. wide, 1 in. deep, good water, in bottom of narrow gulch, 250 ft. below spur, course E.; asc. abrupt S. slope, over series of high sandstone ledges, 365 ft. to
15.90	Top of a 130 ft. vertical sandstone ledge on N. rim of canyon, bears N.70°E. and S.70°W.; thence more gradual ascent, SE. and S. slopes over broken top of mesa, 215 ft. to
29.30	Ridge on the mesa, bears N.80°E. and W.; desc. steep N. slope, 185 ft. to
40.00	On steep N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 18 ins. in the ground to bedrock, and in a large mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S17 | S16 1921
	from which
	A cedar, 8 ins.diam.,bears S.89°E., 109 lks. dist.,marked ¼ S16 BT A pinon, 7 ins.diam.,bears N.32°W., 33 lks. dist.,marked ¼ S17 BT
	Desc. abrupt N. slope, 60 ft. to
42.15	Top of a 100 ft. vertical sandstone ledge on S. rim of North fork of Water Canyon, bears N.80°W. and S.80°E.; abrupt descent N. slope into canyon bottom, 325 ft. to
46.60	Stream, 5 lks. wide, 2 ins. deep, in wash, 25 lks. wide, 40 ft. deep, in bottom of North Fork of Water Canyon, course E.; asc. abrupt S. slope over series of ledges.
53.55	Top of 100 ft. vertical rim ledge on N. rim of canyon, 315 ft. above bottom, bears E. and W.; thence gradual ascent over broken, rocky S. slope, 215 ft. to
72.50	Ridge on mesa, bears E. and W.; thence over gently rolling top of mesa.
80.00	On a slight N. exposure.
	Set an iron post, 3 ft. long, 2 ins. dia., 26 ins. in

Chains

the ground, for cor. of secs. 8-9-16 and 17, with brass cap marked

T43S	R7W
S8	S9
S17	S16

1921

from which

A cedar, 10 ins.diam.,bears N.9°E., 117 lks. dist.,marked T43S R7W S9 BT
A cedar, 6 ins.diam.,bears S.7½°E., 61 lks. dist.,marked T43S R7W S16 BT
A cedar, 24 ins.diam.,bears S.30½°W., 124 lks. dist.,marked T43S R7W S17 BT
A cedar, 6 ins.diam.,bears N.57°W., 84 lks. dist.,marked T43S R7W S8 BT

Land, rough mountainous, broken and rolling mesa; general eastern exposure and drainage.

Soil, rocky in form of ledges and outcroppings, with shallow, loose sandy loam, on the rough portions; deeper sandy loam on mesa; red sandstone formation.

Timber, scattering to medium dense cedar and pinon, with some red pine in canyons on the N. slopes.

Undergrowth, scattering sage, service, oak and manzanita, being very dense in bottom of N. fork of Water canyon.

Poor grazing land, on greater part of the mile.

N. 89°57' E., on random line bet. secs. 9 and 16.

40.00 Set temp. ¼ sec. cor.

80.28 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 9-10-15 and 16. Thence

West, on true line bet. secs. 9 and 16.

Over rolling mesa land with N. and NE. slopes, gradually ascending, through dense timber and scattering undergrowth.

24.20 Point from which Cliff Dwellers' ruins bears N.70½°E., approximately 1 mile dist.

40.14 On a slight N. exposure, 250 ft. above sec. cor.

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

Chains	
	$\frac{1}{4}$ $\frac{S9}{S16}$ 1921
	from which
	A pinon, 8 ins.diam.,bears S.3½°E., 281 lks. dist.,marked ¼ S16 BT
	A pinon, 8 ins.diam.,bears N.80°W., 73 lks. dist.,marked ¼ S9 BT
80.28	The cor. of secs. 8-9-16 and 17, 65 ft. above ¼ sec. cor.
	Land, rolling and gently rolling mesa, with a gentle N. and NE. exposure.
	Soil, deep, loose sandy loam, mixed with some rock on E. end of mile.
	Timber, dense cedar and pinon.
	Undergrowth, scattering sage, service and oak brush.
	Fair grazing land.

	N. 0°07' W., bet. secs. 8 and 9.
	Over rolling mesa land, through dense timber and scattering undergrowth; gradually desc. along NW. and N. slopes.
32.00	Swale, 115 ft. below sec. cor., drains NE.
34.80	Wire fence, bears N.34°E., and S.34°W.
40.00	On a low, rolling spur, projects NE.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S8 | S9 1921
	from which
	A cedar, 16 ins.diam.,bears S.65¼°W., 240 lks. dist.,marked ¼ S8 BT
	A cedar, 7 ins.diam.,bears S.54¾°E., 169 lks. dist.,marked ¼ S9 BT
	Gradually desc. N. slope, entering more scattered timber.
71.25	Swale, 60 ft. below ¼ cor., drains NE.
80.00	On a slight E. exposure.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 4-5-8 and 9, with brass cap marked

Chains	
	T43S | R7W S5 | S4 S8 | S9 1921
	from which
	A cedar, 24 ins. diam., bears N.87¾°E., 145 lks. dist., marked T43S R7W S4 BT
	A cedar, 12 ins. diam., bears S.45°E., 295 lks. dist., marked T43S R7W S9 BT
	A cedar, 12 ins. diam., bears S.13½°W., 270 lks. dist., marked T43S R7W S8 BT
	A cedar, 14 ins. diam., bears N.23¼°W., 300 lks. dist., marked T43S R7W S5 BT
	Land, rolling mesa, having a general N. to NE. exposure and drainage.
	Soil, deep, loose red sandy loam.
	Timber, medium dense cedar and pinon, with few scattered red pines on S. ½ mile; scattered cedar and pinon, on N. ½ mile.
	Undergrowth, scattering to medium dense sagebrush, with scattering clumps of oak and service brush.
	Good grazing land.

	East, on random line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect N. and S. line, 14 lks. N. of the cor. of secs. 3-4-9 and 10. Thence
	N. 89°54' W., on true line bet. secs. 4 and 9.
	Over rolling land facing N. to NE., through scattering timber and medium dense short undergrowth.
23.90	Top of raise, bears NE. and SW., 60 ft. above sec. cor.
37.55	Wire fence, bears N.47½°E., and S.47½°W.
40.09	On top of slight raise bearing N.30°E. and S.30°W.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S4/S9 1921
	from which
	A cedar, 36 ins. diam., bears S.73°E., 70½ lks. dist., marked ¼ S9 BT

Chains	
	A cedar, 18 ins.diam.,bears N.26½°E., 66 lks. dist.,marked ¼ S4 BT
74:00	Swale, drains NE.
80.18	The cor. of secs. 4-5-8 and 9.
	Land, rolling mesa; exposure and drainage N. and NE.
	Soil, deep, loose sandy loam.
	Timber, scattering cedar and pinon.
	Undergrowth, medium dense black sagebrush, with some scattered service and oak brush. Good grazing land.

	N. 0°19' W., on random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
71.44	Intersect N. bdy. of tp., 17 lks. W. of the cor. of secs. 4-5-32 and 33, which is a cedar post, 4 ins. square, extending 26 ins. above the ground, firmly set, marked and witnessed as described by the surveyor general.
	Thence
	S. 0°11' E., on true line bet. secs. 4 and 5.
	Over rolling mesa, with general eastern exposure, through scattering timber and medium dense short undergrowth.
31.44	On slight E. slope in head of small swale, drains E.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S5 | S4 1921
	from which
	A cedar, 12 ins.diam.,bears S.49¾°W., 80 lks. dist.,marked ¼ S5 BT A cedar, 12 ins.diam., bears S.89⅓°E., 220 lks. dist.,marked ¼ S4 BT
71.44	The cor. of secs. 4-5-8 and 9.
	Land, rolling mesa with general eastern exposure and drainage.
	Soil, deep, loose sandy loam.
	Timber, scattering cedar and pinon.
	Undergrowth, medium dense black sagebrush.
	Good grazing land.

Chains	
	From the cor. of secs. 5-6-31 and 32 on S. bdy. of tp., which is an iron post, 3 ins. dia., extending 14 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Thence
	N. 0°07' W., on true line bet. secs. 31 and 32.
	Over rough mountainous land, through scattering timber and short undergrowth; asc. precipitous S. face of sandstone break over series of high sandstone ledges, bearing E. and W.
9.70	Top of a 200 ft. vertical ledge on S. break of mesa, 800 ft. above sec. cor., bears W., and E. for 50 lks. ± thence N.10°E. for 7 chs. thence to E.; gradually asc. along E. edge of mesa, rocky ground.
15.75	Leave rocky land, enter sandy loam, bears E. and SW.; gradually asc. S. slope.
38.70	Ridge, 245 ft. above rim, bears N.70°E. and S.70°W.; gradually desc. N. slope.
40.00	On a slight N. slope, 10 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S31 | S32 1921
	from which
	A pinon, 8 ins.diam., bears N.89°W., 44 lks. dist., marked ¼ S31 BT
	A pinon, 10 ins.diam., bears N.36°E., 80 lks. dist., marked ¼ S32 BT
57.60	Wash, 10 lks. wide, 4 ft. deep, in ravine, 125 ft. below ¼ sec. cor., course N.60°E.; asc. S. slope, entering scattering yellow pine timber, bears E. and SW.
69.20	Spur, 70 ft. above ravine, projects N.70°E.; desc. N. slope, 120 ft. to
80.00	On a NW. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 6 ins. in the ground to bedrock, and in a mound of stone, for cor. of secs. 29-30-31 and 32, with brass cap marked

Chains	
	T43S R7W S30 S29 S31 S32 1921
	from which
	A yellow pine, 12 ins.diam.,bears N.35°E., 96 lks. dist.,marked T43S R7W S29 BT
	A pinon, 12 ins.diam.,bears S.50°E., 45 lks. dist.,marked T43S R7W S32 BT
	A pinon, 10 ins.diam.,bears S.62½°W., 81 lks. dist.,marked T43S R7W S31 BT
	A pinon, 8 ins.diam.,bears N.77½°W., 88 lks. dist.,marked T43S R7W S30 BT
	Land, rough mountainous, with abrupt S. face on S. portion, soil rocky of red sandstone formation; northern portion is rolling mesa land facing E. to NE.; soil, loose sandy loam, with scattered sandstone outcrops.
	Timber, medium dense cedar and pinon, with scattered yellow pine on northern portion.
	Undergrowth, scattering sage, service, oak and manzanita brush. Fair grazing on the rolling portion.
	East, on random line bet. secs. 29 and 32.
36.81	Set temp. witness ¼ sec. cor.
79.90	Intersect the N. and S. line, 2 lks. N. of the cor. secs. 28-29-32 and 33. Thence
	N. 89°59' W., on true line bet. secs. 29 and 32.
	Over mountaniuos land, through dense timber and scattering undergrowth; asc. abrupt rocky E. slope, 150 ft.
4.70	W. rim of cove, bears N. and S., thence more gradual ascent over E. and SE. slopes, 250 ft. to
21.30	Ridge, bears N.30°E. and SW.: desc. gradual W. slope.
37.10	Top of 100 ft. vertical ledge on E. rim of canyon, 150 ft. below ridge, bears N. and S.: desc. abruptly into canyon.
39.95	True point for ¼ sec. cor. falls on abrupt W. slope of canyon slope where it is impracticable to set a cor. No cor. set here.
41.30	Bottom of deep, narrow box canyon, 150 ft. deep, boxes

Chains	
	4 chs. to S. of line, course N.; dense tall underbrush and scattered fir timber in bottom; asc. abruptly.
42.70	Top of 100 ft. vertical sandstone wall on W. rim of canyon, bears N. and S.
43.09	Which is 3.14 chs. N.89°59'W. of true point for ¼ sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to bedrock, and in a large mound of stone, for witness cor. to the ¼ sec. cor., with brass cap marked
	$\frac{1}{4}\ \frac{S29}{S32}\ WC$
	1921
	from which
	A pinon, 8 ins. diam., bears N.4½°W., 9½ lks. dist., marked WC ¼ S29 BT
	A cedar, 7 ins. diam., bears S.27½°W., 63 lks. dist., marked WC ¼ S32 BT
	Gradually asc. E. slope, 200 ft. to
57.50	Spur, projects N.20°E.; thence along broken N. slope, desc. 60 ft. to
79.90	The cor. of secs. 29-30-31 and 32.
	Land, rough and rolling mountainous.
	Soil, rocky and shallow, loose sandy loam; red sandstone formation.
	Timber, medium dense cedar and pinon, with some scattered yellow pine on W. end.
	Undergrowth, scattering sage, service, oak and manzanita brush. Fair grazing land on greater part of mile.
	West, on random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.04	Intersect W. bdy. of tp., 12 lks. S. of the cor. of secs. 25-30-31 and 36, which is an iron post, 3 ins. dia., extending 12 ins. above the ground, firmly set, marked and witnessed as described by the surveyor general. Thence

Chains	
	S. 89°55' E., on true line bet. secs. 30 and 31.
	Over mountainous land, through medium dense timber and scattering undergrowth; along nearly level mesa top to
1.75	Break of mesa, bears N.70°E. and SW.; thence gradually desc. along a broken S. and SE. slope, 285 ft. to
39.04	On gradual SE. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S30}{S31}$
	1921
	from which
	A yellow pine, 14 ins.diam.,bears N.10½°E., 73 lks. dist.,marked ¼ S30 BT
	A pinon, 10 ins.diam.,bears S.36½°W., 67 lks. dist.,marked ¼ S31 BT
43.00	Wash, 1 ch. wide, 10 ft. deep, sandy bottom, dry, in bottom of canyon, course N.70°E.; gradually asc. along broken N. slope.
46.50	Top of raise on N. slope, 40 ft. above wash, projects N.; desc. 20 ft. to
51.60	Small side draw, course N.; asc. 125 ft. to
61.30	Spur, projects N.; desc. 130 ft. to
77.70	Small draw, course N.; asc. 25 ft. to
79.04	The cor. of secs. 29-30-31 and 32.
	Land, rolling mountainous, with gradual SE. and N. slopes into canyon draining E.
	Soil, shallow sandy loam, with outcropping of sandstone bedrock and rocky; red sandstone formation.
	Timber, medium dense cedar and pinon, with scattering yellow pine.
	Undergrowth, scattering to medium growth of sage, oak, service and manzanita, 2 to 12 ft. high.
	Poor grazing land.

	N. 0°07' W., bet. secs. 29 and 30.
	Over mountainous land, through dense timber and considerable undergrowth; desc. N. slope.

Chains	
6.65	Draw, 120 ft. below sec. cor., course N.30°E.; asc. 20 ft. to
13.10	Top of a 250 ft. vertical sandstone wall on S. rim of box canyon, bears N.80°E. and N.70°W.; desc.
17.00	Stream, 3 lks. wide, 1 in. deep, which heads 9 chs. W. of line under the 250 ft. wall, extending across canyon, course N.80°E. Dense underbrush 10 to 20 ft. high in bottom; asc. abrupt S. slope from canyon bottom, 300 ft.
21.30	Top of 250 ft. vertical sandstone wall on N. rim of the box canyon, bears W. and N.80°E.; thence gradually asc. rocky and broken S. slope, 150 ft.
40.00	On top of spur, projects E.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S30 | S29 1921
	from which
	A pinon, 8 ins.diam., bears N.50¼°E., 55 lks. dist., marked ¼ S29 BT A pinon, 8 ins.diam., bears N.25¾°W., 92 lks. dist., marked ¼ S30 BT
	Desc. N. slope, 215 ft. to
65.50	Ravine, course N.70°E.; asc. S. slope, 40 ft. to
73.80	Spur, projects E.; desc. NE. slope, 40 ft. to
75.00	Ravine, course S.80°E.; thence gradually asc. S. and SE. slopes, 50 ft. to
79.38	Set an iron post, 3 ft. long, 2 ins. dia., 4 ins. in the ground to bedrock, and in a mound of stone, for witness cor. to the cor. of secs. 19-20-29 and 30, with brass cap marked
	WC T43S | R7W S19 | S20 S30 | S29 1921
	from which
	A yellow pine, 18 ins.diam., bears N.18½°E., 286 lks. dist., marked WC T43S R7W S20 BT

Chains	
	A yellow pine, 8 ins.diam.,bears S.59½°E., 122 lks. dist.,marked WC T43S R7W S29 BT A yellow pine, 14 ins.diam.,bears S.26°W., 103 lks. dist.,marked WC T43S R7W S30 BT A yellow pine, 18 ins.diam.,bears N.24½°W., 207 lks. dist.,marked WC T43S R7W S19 BT
	Cor. stands on a gradual SE. slope.
80.00	True point for cor. of secs. 19-20-29 and 30, falls on sloping sandstone bedrock, where cor could not be perpetuated, cut cross (x) for exact cor. point. No cor. set here.
	Land, rolling and broken mountainous land, with general exposure and drainage E.
	Soil, rocky in form of outcroppings of sandstone bedrock and ledges, with shallow, loose sandy loam; red sandstone formation.
	Timber, medium dense cedar and pinon and scattering yellow pine.
	Undergrowth, scattering sage, service, oak and manzanita brush. Fair grazing land.

	S. 89°59' E., on random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line, 14 lks. S. of the true point for cor. of secs. 20-21-28 and 29, which is 35 lks. N. of the witness cor. Thence, from true cor. point, S. 89°55' W., on true line bet. secs. 20 and 29.
	Over rough mountainous land, through medium dense timber and scattering undergrowth; along bottom of Water Canyon
1.25	Stream, 7 lks. wide, 2 ins. deep, good water, in bottom of Water Canyon, course NE.; thence asc. abruptly SE. slope over high, broken ledges.
22.00	Point of canyon rim, 510 ft. above bottom, bears NE. and N.70°W.; thence along broken S. slope.
31.50	W. rim of Water Canyon, 625 ft. above bottom, bears N. 70°E. and S.10°W.; thence over rolling mountainous land.
40.01	On top of spur, 25 ft. above the rim, projects S.

Chains	
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S20/S29
	1921
	from which
	A pinon, 10 ins.diam., bears N.6½°W., 50 lks. dist.,marked ¼ S20 BT
	A pinon, 12 ins.diam., bears S.10°W., 34 lks. dist.,marked ¼ S29 BT
	Thence along a broken general S. slope.
52.40	Depression on S. slope, 70 ft. below ¼ sec. cor., drains S.; asc. 100 ft.
59.75	Top of ascent on S. slope; desc. 35 ft. to
77.00	Depression on S. slope, drains SE.; asc. 30 ft. to
80.02	The true point for cor. of secs. 19-20-29 and 30.
	Land, rough and rolling mountainous, with general SE. and S. exposures; drainage into Water Canyon, course NE.
	Soil, rocky and shallow, loose sandy loam.
	Timber, medium dense to scattering cedar, pinon and yellow pine; cottonwoods and boxelders in Water Canyon.
	Undergrowth, scattering oak, manzanita, service and sage brush. Poor grazing land.

	From true cor. point. - -
	N. 89°55' W., on random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
79.00	Intersect W. bdy. of tp., 18 lks. N. of the cor. of secs. 19-24-25 and 30, which is an iron post, 3 ins dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Thence
	N. 89°57' E., on true line bet. secs. 19 and 30.
	Over rolling mesa land, through scattering timber and medium dense undergrowth; gradualy desc. E. exposure.
10.00	Swale, 50 ft. below sec. cor., drains NE.
18.00	Low rolling ridge, 35 ft. above swale, bears NE. and SW.
36.00	Swale, 20 ft. below ridge, drains N.60°E.
39.00	On a slight N. exposure.

Chains	
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S19/S30
	1921
	from which
	A pinon, 8 ins.diam.,bears N.66°W., 91 lks. dist.,marked ¼ S19 BT
	A pinon, 8 ins.diam.,bears S.1°W., 92 lks. dist.,marked ¼ S30 BT
	Thence along a slight N. exposure.
72.25	Top of rolling ridge, 25 ft. above ¼ sec. cor., bears NE. and SW.; desc. steep E. slope, entering rocky land.
79.00	The true point for cor. of secs. 19-20-29 and 30, 100 ft. below ridge.
	Land, rolling mesa, gaving a general NE. exposure and drainage.
	Soil, deep, loose sandy loam, with sandstone outcropping on E. end of mile.
	Timber, scattering yellow pine, cedar and pinon.
	Undergrowth, medium dense sage, oak and service brush, 3 to 10 ft. high. Good grazing land.

	N. 0°07' W., bet. secs. 19 and 20, from true cor. point.
	Over rolling mesa land, through scattering timber and undergrowth; asc. rocky SE. slope.
3.30	Leave rocky land, enter sandy loam, bears E. and W.
6.50	Ridge, 90 ft. above sec. cor., bears E. and S.80°W.
	Desc. gradual N. slope.
15.40	Enter considerable sandstone bedrock outcropping, bears E. and W.
35.65	Ravine, 265 ft. below ridge, course NE.; asc. 70 ft. to
40.00	On a S. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S19 | S20
	1921

Chains	
	from which
	A cedar, 8 ins. diam., bears S. 73°E., 100 lks. dist., marked ¼ S20 BT
	A pinon, 8 ins. diam., bears N. 66°W., 58 lks. dist., marked ¼ S19 BT
49.00	Leave rocky land, bears NE. and SW.
53.80	Ridge, 130 ft. above ¼ sec. cor., bears N. 60°E. and S. 60°W.; gradually desc. N. slope, 70 ft. to
80.00	On a slight N. slope.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 17-18-19 and 20, with brass cap marked

T43S	R7W
S18	S17
S19	S20

1921

from which

A pinon, 18 ins. diam., bears N. 4°E., 54 lks. dist., marked T43S R7W S17 BT
A pinon, 10 ins. diam., bears S. 70°E., 83 lks. dist., marked T43S R7W S20 BT
A cedar, 14 ins. diam., bears S. 21°W., 99 lks. dist., marked T43S R7W S19 BT
A cedar, 12 ins. diam., bears N. 86¼°W., 100 lks. dist., marked T43S R7W S18 BT

Land, rolling mesa, with general NE. exposure and drainage.

Soil, deep, loose sandy loam and rocky in form of outcroppings of sandstone bedrock.

Timber, scattering to medium dense cedar and pinon, with some scattering yellow pine.

Undergrowth, scattering sage, oak and service brush.

Fair grazing land.

N. 89°55' E., on random line bet. secs. 17 and 20.

40.00 Set temp. ¼ sec. cor.

80.06 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 16-17-20 and 21. Thence

S. 89°58' W., on true line, bet. secs. 17 and 20.

Over rough mountainous land, through scattering timber and undergrowth; asc. abrupt, ledgy SE. slope, 220 ft.

Chains	
7.10	Top of a 50 ft. sandstone ledge on W. rim of fork of Water Canyon, bears N.70°E. and SW.; thence more gradual ascent over SE. slope, entering heavier timber, bears with rim.
17.60	Spur, 200 ft. above the rim, projects NE.; thence along rolling N. slope, ascending 50 ft. to
36.50	Top of ascent on N. slope; desc. gradually 20 ft. to
40.03	On a slight N. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S17}{S20}$
	1921
	from which
	A pinon, 8 ins. diam., bears N.75¾°E., 76 lks. dist., marked ¼ S17 BT
	A pinon, 12 ins. diam., bears S.75½°E., 99 lks. dist., marked ¼ S20 BT
43.85	Shallow draw, course N.60°E.; asc. E. slope, 70 ft. to
50.50	Low spur, projects N.20°E.; thence over gently rolling mesa land, slight N. exposure.
80.06	The cor. of secs. 17-18-19 and 20.
	Land, rough and rolling mountainous and rolling mesa; exposure and drainage NE.
	Soil, rocky and loose sandy loam; red sandstone formation
	Timber, scattering to medium dense cedar and pinon and scattering yellow pine.
	Undergrowth, scattering sage, oak and service brush.
	Fair grazing land on greater portion of mile.

	S. 89°57' W., on random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
78.77	Intersect W. bdy. of tp., 7 lks. S. of the cor. of secs. 13-18-19 and 24, which is an iron post, 3 ins. dia., extending 6 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Thence East, on true line bet. secs. 18 and 19.
	Over rolling sand dunes, shifting sand, through scatter-

Chains	
	ing yellow pine timber; no undergrowth.
16.00	Leave sand dunes, bears NE. and SW., enter gently rolling mesa land with scattering timber and dense sage and scattered clumps of oak brush.
17.30	Wire fence, bears NE. and SW.
38.77	On a slight E. exposure.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S18 / S19
	1921
	from which
	A yellow pine, 12 ins.diam.,bears S.23°E., 191 lks. dist.,marked ¼ S19 BT
	A yellow pine, 30 ins.diam.,bears N.22°W., 28 lks. dist.,marked ¼ S18 BT
58.30	Base of shallow swale, drains NE.
78.77	The cor. of secs. 17-18-19 and 20.
	W. 16 chs. is rolling sand dunes of white shifting sand, covered with a scattered growth of yellow pine timber; remainder of mile is gently rolling mesa land, with slight NE. exposure; covered with scattering yellow pine, cedar and pinon, and dense black sagebrush, and scattered clumps of oak brush, 10 to 12 ft. high; soil, deep, loose sandy loam. Good grazing land.

	N. 0°07' W., bet. secs. 17 and 18.
	Over rolling mesa land, through medium dense timber and dense short undergrowth; gradually desc. N. slope
19.50	Ravine, 170 ft. below sec. cor., course N.80°E.; asc.
32.40	Low flat spur, 130 ft. above ravine, projects E. Gently desc. N. slope.
40.00	On a gentle N. slope, 15 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 brass cap marked
	¼ S18 | S17
	1921

Chains	
	from which
	A cedar, 6 ins.diam.,bears N.45¼°E., 38 lks. dist.,marked ¼ S17 BT
	A cedar, 6 ins.diam.,bears N.67½°W., 63 lks. dist.,marked ¼ S18 BT
	Gradually desc. N. slope, 60 ft. to
60.70	Sand Spring, bears W. of line 90 lks. dist., flows to NE., sinking within 200 ft. of head. At present is piped, 2 chs. E. into wooden troughs and being used for watering sheep and cattle.
61.50	Wire fence at base of rolling sand dunes, bears NE. and SW.; thence over rolling, barren, shifting white sand dunes.
64.50	Top of sand ridge, 75 ft. above base, bears NE. and SW.
80.00	In depression of sand dunes.
	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 brass cap marked

T43S	R7W
S7	S8
S18	S17

1921

from which

A yellow pine, 24 ins.diam.,bears N.18¼°E., 324 lks. dist.,marked T43S R7W S8 BT
A yellow pine, 10 ins.diam.,bears S.45°E., 120 lks. dist.,marked T43S R7W S17 BT
A yellow pine, 10 ins.diam.,bears S.8¾°W., 208 lks. dist.,marked T43S R7W S18 BT
A yellow pine, 10 ins.diam.,bears N.71°W., 55 lks. dist.,marked T43S R7W S7 BT

Land, rolling mesa with general eastern exposure and drainage.

Soil, loose sandy loam, with some scattered sandstone outcrops on S. 61½ chs.; shifting white sand on remainder of mile.

Timber, scattering yellow pine, cedar and pinon.

Undergrowth, dense sagebrush and scattered oak and service brush. Good grazing land on S. 61½ chs.

N. 89°58' E., on random line bet. secs. 8 and 17.

Chains	
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line, 16 lks. S. of the cor. of secs. 8-9-16 and 17. Thence
	S. 89°51' W., on true line bet. secs. 8 and 17.
	Over rolling mesa land with northerly exposure, through medium dense timber and short undergrowth.
7.60	Cross head of swale, 15 ft. below sec. cor., drains N.
	Gently asc. along a N. slope, 75 ft. to ¼ sec. cor.
14.10	Wire fence, bears N.6¼°E., and S.6¼°W.
40.02	On top of low rolling ridge, bears N.60°W. and S.60°E.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S8/S17
	1921
	from which
	A cedar, 12 ins.diam., bears N.85°W., 101 lks. dist., marked ¼ S8 BT
	A cedar, 8 ins.diam., bears S.32¾°E., 85 lks. dist., marked ¼ S17 BT
	Gradually desc. W. slope, 55 ft. to
73.70	Base of descent and E. edge of rolling sand dunes, bears N.30°E. and S.30°W.; thence over rolling sand dunes with shifting white sand, through few scattered yellow pines.
80.04	The cor. of secs. 7-8-17 and 18.
	Land, rolling mesa with northern and southeastern exposures.
	Soil, deep, loose sandy loam on E. portion, and shifting white sand on W. end of mile.
	Timber, medium dense cedar and pinon, with very scattered yellow pines, on E. 73.70 chs.; scattered yellow pines on remainder.
	Undergrowth, medium dense sagebrush and scattered oak and service brush, on E. 73.70 chs. Good grazing land, except on sand dunes.

Chains	
	West, on random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
78.61	Intersect W. bdy. of tp., 2 lks. N. of the cor. of secs. 7-12-13 and 18, which is an iron post, 3 ins. dia., extending 12 ins. above the ground, firmly set, marked and witnessed as described by the surveyor general.
	Thence,
	N. 89°59' E., on true line bet. secs. 7 and 18.
	Over gently rolling mesa land with general exposure to NE., through scattering timber and dense, short undergrowth.
26.00	W. edge of rolling sand hills, and leave all undergrowth, bears N.20°E. and SW.; thence over loose, shifting white sand.
38.61	In sand hills.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S7/S18
	1921
	from which
	A yellow pine, 36 ins.diam., bears N.71½°W., 347 lks. dist., marked ¼ S7 BT
	A yellow pine, 16 lks.diam., bears S.7°E., 380 lks. dist., marked ¼ S18 BT
	Note: A small water pocket in depression, bears SW. 2½ chs. dist.
60.80	Water pocket, 1½ chs. dia., on line.
78.61	The cor. of secs. 7-8-17 and 18.
	Land, genlly rolling mesa and sand hills, with slight NE. exposure.
	Soil, deep, loose sandy loam on mesa; shifting white sand on sand hills.
	Timber, scattering yellow pine, and few cedar and pinon.
	Undergrowth, dense sage and scattering oak brush on the W. 26 chs. Grazing land on W. portion.

Chains	
	N. 0°07' W., bet. secs. 7 and 8.
	Over rolling sand hills, through scattering yellow pines.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S7 | S8 1921
	from which
	A yellow pine, 24 ins. diam., bears N. 20¾°W., 65 lks. dist., marked ¼ S7 BT A scrub oak, 10 ins. diam., bears S. 65½°E., 180 lks. dist., marked ¼ S8 BT
43.30	S. edge of shallow pond, bears NE. and W.; thence across the pond which extends E. 2 chs. and W. 50 lks.
46.50	N. edge of pond, bears E. and SW.
53.00	Leave sand hills and loose, shifting sand, bears NE. and SW.; thence over gently rolling mesa land, with slight E. exposure, through medium dense timber and dense, short undergrowth.
80.00	On a slight NW. slope.
	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 brass cap marked
	T43S | R7W S6 | S5 S7 | S8 1921
	from which
	A pinon, 8 ins. diam., bears N. 44¼°E., 52 lks. dist., marked T43S R7W S5 BT A cedar, 8 ins. diam., bears S. 26°E., 120 lks. dist., marked T43S R7W S8 BT A cedar, 12 ins. diam., bears S. 45½°W., 115 lks. dist., marked T43S R7W S7 BT A cedar, 8 ins. diam., bears N. 29°W., 209 lks. dist., marked T43S R7W S6 BT
	S. 53 chs. is rolling sand hills, covered with a scattered growth of yellow pine, and few scattered clumps of oak brush; soil, shifting, white sand: N. 27 chs. is gently rolling mesa with slight E. exposure; soil, deep, loose sandy loam; timber, medium dense cedar and

Chains	
	pinon; undergrowth, medium dense sage and scattered oak brush. Good grazing land, on northern portion.

	N. 89°51' E., on random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line, 9 lks. S. of the cor. of secs. 4-5-8 and 9. Thence
	S. 89°47' W., on true line bet. secs. 5 and 8.
	Over rolling mesa, having a general E. to NE. exposure, through scattering timber and dense short undergrowth.
3.50	E. edge of rolling sand dunes, bears S., and N. for 1 ch. to end; thence over loose, shifting sand, through few scattered clumps of oak brush.
22.60	Leave sand dunes, bears SW., and NE. for 2 chs. thence E.; re-enter dense sagebrush and scattering timber.
39.98	On a slight E. slope, 100 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}\ \frac{S5}{S8}$
	1921
	from which
	A cedar, 24 ins. diam., bears N. 6¾°E., 32 lks. dist., marked ¼ S5 BT
	A cedar, 8 ins. diam., bears S. 47¼°W., 105 lks. dist., marked ¼ S8 BT
79.96	The cor. of secs. 5-6-7 and 8; 80 ft. above ¼ sec. cor.
	Land, rolling mesa and sand dunes; exposure and drainage E. to NE.
	Soil, deep, loose sandy loam, and shifting, white sand.
	Timber, scattering to medium growth of cedar and pinon, except on sand dunes.
	Undergrowth, dense sage and scattering oak brush.
	Good grazing land on greater part of mile.

	S. 89°59' W., on random line bet. secs. 6 and 7.
40.00	Set temp. ¼ sec. cor.

Chains	
78.46	Intersect W. bdy. of the tp., 14 lks. S. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, 3 ins. dia., extending 12 ins. above ground, firmly set, marked and witnessed as described by the surveyor general. Thence,
	S. 89°55' E., on true line bet. secs. 6 and 7.
	Over rolling mesa, through medium dense timber and short undergrowth; over slight NW. slope to
5.70	Rolling ridge, 10 ft. above sec. cor., bears NE. and SW.; thence over E. exposure.
38.46	On a S. slope, 70 ft. below ridge.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S6/S7 1921
	from which
	A cedar, 8 ins. diam., bears S. 59°E., 21 lks. dist., marked ¼ S7 BT
	A cedar, 6 ins. diam., bears N. 66½°E., 6 lks. dist., marked ¼ S6 BT
78.46	The cor. of secs. 5-6-7 and 8, 20 ft. below ¼ sec. cor.
	Land, rolling mesa; exposure and drainage E.
	Soil, deep, loose sandy loam.
	Timber, medium dense cedar and pinon.
	Undergrowth, dense sage and scattered oak brush.
	Good grazing land.

	N. 0°11' W., on random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
71.85	Intersect N. bdy. of the tp., 10 lks. W. of the cor. of secs. 5-6-31 and 32, which is a cedar post, 6 ins. square, extending 3 ft. above the ground, firmly set, marked and witnessed as described by the surveyor general. Thence,
	S. 0°06' E., on true line bet. secs. 5 and 6.
	Over gently rolling mesa land, having an eastern

Subdivision of T. 43 S. R. 7 W.

chains

exposure, through medium dense timber and short undergrowth.

31.85 On a gradual E. slope

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

¼
S6 S5
1921.

from which

A cedar 6 ins.diam. bears S. 60½°E 95 lks. dist. marked ¼ S5 B T

A cedar, 6 ins.diam. bears S. 33¼°W., 73 lks. dist. marked ¼ S 6 B.T.

71.85 The cor. of secs. 5, 6, 7, and 8, 25 ft. below ¼ sec.cor

Land, gently rolling mesa having a slight, general eastern exposure and drainage.

Soil, deep, loose, fine sandy loam.

Timber, medium dense cedar and pinon.

Undergrowth, dense black sagebrush, with scattering oak and service brush, 5 to 10 ft. high.

Good grazing land.

Latitudes, departures, and closing errors.

Line Designated	True Bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
			Chs.	Chs.	Chs.	Chs.
N.bdy.Tp.	West	478.37				478.37
W.bdy.Tp.	South	471.55		471.55		
S.bdy.Tp.	East	479.39			479.39	
E.bdy.Tp.	N.0°4'W	471.62	471.62			.55
Convergency						.55
			471.62	471.55	479.39	479.47
Error in lat. - - - -			471.55			
			0.07			
Error in departure - -						479.39
						0.08

General Description of T. 43 S. R. 7 W.

This township embraces lands that can be classed from rough, broken mountaincus to rolling mesas, lying at an elevation of approximately 6000 ft above sea level. It is broken by Cottonwood Canyon, heading near the north boundary in Sec. 3, draining nearly south and crosses the south boundary in Sec. 34, where it is about 1000 ft. deep, and breaks through the Vermillion Cliffs; and by its tributarities, the largest of which is Water Canyon, and numerous side canyons and gulches. The slopes of the canyons and gulches are very abrupt and are generally rimmed with high, vertical sandstone walls and ledges. Back from the breaks of the canyons the land is a rolling mesa top. The extreme eastern portion of the township drains easterly into Kanab Creek; extreme north-west corner drains northerly toward Virgin River; remainder drains into Cottonwood Canyon.

The soil is principally a deep, fine, loose, reddish sandy loam and sand on the mesa, while on the rough portions it is rocky in form of ledges and sandstone outcroppings, with shallow loose sandy loam and sand. The formation throughout the township is red sandstone. The township is covered with a medium growth of scrub cedar and pinon pine throughout, with scattering yellow and red pine in the south-western portion; and undergrowth of medium dense sagebrush and scattering oak and service brush. The sagebrush being heavier on mesa tops. The township is watered by several small streams of good water flowing in the several forks of Water Canyon, Farm Canyon, and Cottonwood Canyon, near head, and by springs located as follows: Sand Spring in the NE¼ of NE¼ Sec. 18; Spring in NW¼ of NE¼ Sec. 12; small springs in NE¼ and NW¼ of SE¼ Sec. 9, Spring in SW¼ of SW¼ Sec. 3, the streams in Water Canyon rise under high sandstone rims of the canyon and are inaccessible to stock from

the mesa. The bottoms of the canyons are sandy and the water sinks before reaching any great distance. At the time of this survey, August, the water did not reach beyond about the center of sec. 26, in Cottonwood canyon.

Cliff Dwellers' ruins, consisting of three small houses of one room each, 10½x12 ft.; 10½x6 ft.; 6½x5 ft. and 5 to 6 ft. high, and a circular pit, 5 ft. deep, and 16½ ft. in diameter, are located in the NW¼ of SE¼ of sec. 10. The houses are very well preserved, two of them having roofs intact.

B. A. Riggs Sr., the only settler within the township, is located in the SW¼ of SW¼ of sec. 3. Improvements consists of frame house of four rooms, L shaped, 14x28 and 12x15 ft.; frame building, 14x36 ft.; corrals; considerable fencing; and approximately 25 acres of cultivated and meadow land, lying along canyon bottom in secs. 3 and 10, and about 10 acres of meadow land in SE. ¼ of sec. 9. Value about $2000.

The town of Kanab is located 2 miles east of the cor. of secs. 19, 24, 25 and 30 on E. bdy. of tp.

The township is chiefly valuable for grazing.

No indications of coal, mineral or oil were noted in the township.

The average magnetic variation is 15°50' E.

Andrew Nelson

U.S.Cadastral Engineer.

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Page

BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Frank Romney	First Assistant
LeRoy Peck	Second Assistant
Mack Rozelle	Flagman
Melvin Krotki	Axman
Taylor Crosby	Cornerman

6—2764

CERTIFICATE OF UNITED STATES SURVEYOR.

I, ANDREW NELSON, U. S. ~~Surveyor~~ Cadastral Engineer, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for UTAH bearing date of the 10th day of March 1921, ~~xx~~, 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 Retracement of portion of the South Boundary, and Subdivision of T. 43 S., R. 7 W. of the Salt Lake Base and Meridian, in the State of UTAH, which are represented in the foregoing field notes and date diagram page 1 as having been executed by me, and under my direction, on dates shown on date 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
April 8, 1922.

Andrew Nelson
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, 191
July 31, 1922

The foregoing field notes of the ~~survey of~~ retracement of portion of South Boundary and subdivision of T. 43 S., R. 7 W of the Salt Lake Base and Meridian,

executed by ANDREW NELSON, U.S. CADASTRAL ENGINEER

under ~~his~~ special instructions dated March 10, 1921, ~~xx~~, having been critically examined, and the necessary corrections and explanations made, the ~~said field~~ notes, and the ~~surveys~~ retracement of portion of the south boundary and subdivisions of T43S R7 they describe, are hereby approved.

E. L. Dawson
U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in Tp. 43 S. R. 7 W S.L.B.& M., has been correctly copied from the original ~~notes on~~ file in this office.

E. L. Dawson
U. S. Surveyor General.

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FEB 21 1922
SALT LAKE CITY

4—679

BOOK A-451

FIELD NOTES

RE

OF THE SURVEY OF THE

SOUTH BOUNDARY AND RETRACEMENT OF SUBDIVISION OF

T. 24 S., R. 4½ W.

AND

RETRACEMENT OF SUBDIVISION OF

T. 25 S., R. 4½ W.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

HOWARD W. MILLER, U. S. CADASTRAL ENGINEER

In the capacity of ~~U.S. Surveyor~~, *under Special Instructions dated* August 2, ~~1921~~ 1920, *issued by the United States Surveyor General to govern surveys included in Group No.* 108, *which were approved by the Commissioner of the General Land Office,* August 13, ~~1921~~ 1920, *and Assignment Instructions dated* August 22, ~~1921~~ 1921

Survey commenced September 12, 1921, ~~1921~~

Survey completed September 19, 1921, ~~1921~~

6—151

BOOK A-451

INDEX DIAGRAM.

Township 24 South, *Range* 4½ West

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

12 11

10 9 7 5 4

13 12

T.25 S.,R.4½ W.

BOOK A-451

4—679 b

INDEX DIAGRAM.

24 South

Township 25 South, Range 4½ West

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

594 593

592 591 589 587 586

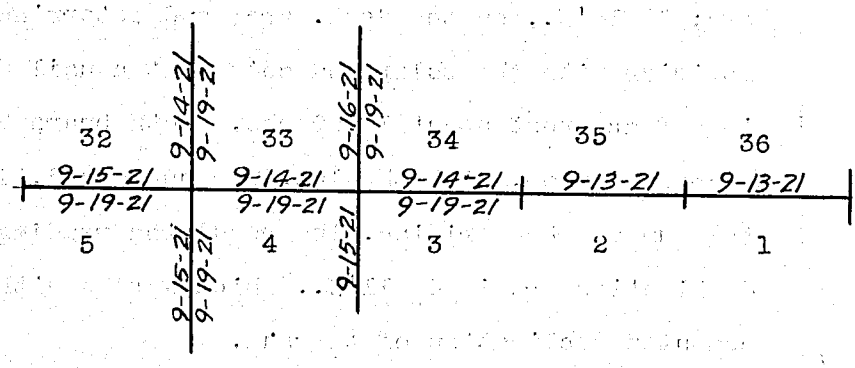
6—4817

595 594

T. 25 S. R 4½ W

DATE DIAGRAM

T.24 S., R.4½ W.



T.25 S., R.4½ W.

TEST OF INSTRUMENT

Survey commenced September 12, 1921, and executed with Buff solar transit No. 8964, 1913 model, with A shaped standards; the instrument is equipped with full vertical circle and Smith solar attachment; unless otherwise specified all azimuth determinations are accomplished with the solar attachment except the special observations upon Polaris and the sun for meridian upon which to test the solar apparatus as stated in the field notes.

September 12, 1921, at my station in camp near the ¼ sec. cor. bet. secs. 34 and 35, T. 24 S., R.4½ W., S.L. B. and M., Utah, in latitude 38° 40' 37" N., as determined by the mean of hour angle altitude observations on Polaris on this date and hereinafter described, and longitude 112° 22'W., I examine the adjustments of the instrument and correct all errors. I then test the solar apparatus by comparing its indications hourly

with the true meridian established by Polaris observations of this date, hereinafter described.

At 9h. a.m. apparent time, I set off 38° 41' on the lat. arc; 4° 14'N., on the decl. arc; and determine a meridian with the solar and note that a nail driven in a fence post about 10.00 chs. south bears S.0°02'W.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian, the resulting reading of the declination arc is 4° 11'N., which agrees with the computed declination of the sun.

At the same station I make a meridian observation of the sun for apparent noon:

Mean watch time of apparent noon = 12h. 23m. 48s.p.m.
Watch fast of local mean time = 0h. 27m. 25s.

At 3h. p.m. apparent time, with the lat. arc unchanged, I set off 4° 09'N., on the decl. arc, and determine a meridian with the solar which I find to agree with the meridian determined in the a.m.

At the same station at 6h. 17m.07s.p.m.l.m.t., I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the nail driven in the fence post, in the direction S-E-N to Polaris.

Watch time of observation = 6h. 44m.32s.p.m.

Mean horizontal angle from Polaris to nail = 178° 46' N-E-S

Azimuth of Polaris = 1° 16' E.

True bearing of flag = S. 180°02'00" W.
= S. 0° 02' W.

As all of the solar observations during the usual hours of solar work come within 1' 30" of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

I also make an altitude observation of Polaris for latitude at the time of my hour angle observation:

Observed altitude of Polaris at a mean time hour angle of 7h.29.5m. and declination 88°52'58.6" = 38°11'

Reduced latitude of station = 38°40'37" N.

At the completion of the survey I again test the solar apparatus on the above described meridian established by observations on Polaris:

September 19,1921, at 8h. a.m., apparent time, I set off 38° 41' on the lat. arc;1° 33'N., on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the declination arc is 1° 29'N., which agrees with the computed declination of the sun.

At 3h. p.m. apparent time, with the lat. arc unchanged, I set off 1° 26'N., on the decl. arc; and determine a meridian with the solar which I find to agree with the true meridian.

DECLINATION ARC SETTINGS

In the declination arc settings, .80 of the tabulated refractions for computing declinations is used, allowance being made for the altitude of the country which ranges from 6500 to 7000 ft. above sea.

MEASUREMENTS

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 8 chains in length compared with a Lufkin standard steel tape 1 chain long and found correct. The measurements are made on the slope, the vertical angle determined by use of the clinometer, and the slope measurements properly reduced to true horizontal distances.

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chains	
	From the cor. of Tps. 24 and 25 S., Rs. 4 and 4½ W., which is a granite, 16 x 12 x 10 ins., above ground, firmly set, marked with 6 notches on N.,S.,E. and W. edges; no accessories to cor.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, S.of cor.
	Thence
	West, on resurvey line bet. secs. 1 and 36.
	Over rough mountainous land through dense scrub oak, sage and service berry brush. Ascend abruptly E. slope.
.15	SE. cor. of wire fence, bears N. and W.
4.90	Ridge, 200 ft. above sec. cor., bears N. and S.; leave dense undergrowth, bears N. and S. Gradually descend.
10.30	Shallow draw, drains SE.; reenter dense undergrowth, bears N. and S. Ascend E. slope.
21.60	Top of steep ascent, ascend more gradually.
39.30	Enter aspen thicket, bears N. about 2 chs. and S.
40.26	Fall 27 lks. S. of the ¼ sec. cor., which is a trachyte, 8 x 12 x 12 ins. above ground, firmly set, marked ¼ on N. face; from which
	An aspen, 8 ins. diam.,bears S.24¼°W., 20 lks. dist.,marked ¼ S B T
	No other accessories to cor.
	I remark new bearing trees as follows:
	An aspen, 8 ins.diam.,bears N.12½°E., 50 lks. dist., marked ¼ S 36 B T
	An aspen, 8 ins.diam.,bears S.24¼°W., 20 lks. dist.,marked ¼ S 1 B T
	The bearing of this ½ mile is N.89°37'W., and the distance is 40.26 chs.
	Cor. stands on E. slope in dense aspen thicket, 375 ft. above draw.
	Thence from ¼ sec. cor.,
	West, with continuous measurement.
	Along S. side of wire fence which bears E. and N.88°W.
41.70	Ridge, 25 ft. above ¼ sec. cor., bears N. and S.; leave timber and enter dense sagebrush with scattering oak and service berry brush. Descend.

chains	
62.15	Wide draw, 150 ft. below ridge, drains SE.; ascend.
66.15	Enter dense aspen thicket, bears N. and S.
70.00	Leave timber, bears N. and S.
80.69	Fall 1.45 chs. S. of the cor. of secs. 1,2,35 and 36, which is a granite, 16 x 6 x 5 ins., firmly set in a mound of stone, marked with 1 notch on E. and 5 notches on W. edge; no accessories to cor.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Cor. stands on E. slope, 150 ft. above draw and at SW. cor. of fence bearing N.1°W. and S.88°E.; Belnap peak, bears S.21° 35'W. about 24 miles distant.
	The bearing of this ½ mile is N.87°57'W., and the distance is 40.45 chs.
	Land, mountainous; general SE. exposure and drainage.
	Soil, rich mountain loam and rocky of granite formation; subsoil, moist loam and gravelly.
	Timber, scattering aspen thickets.
	Undergrowth, dense sage, oak, service berry and deer brush.
	Good grazing land.

	From the cor. of secs. 1,2,35 and 36.
	West, on a resurvey line bet. secs. 2 and 35.
	Over mountainous land through dense sagebrush and scattering service berry and oak brush undergrowth. Ascend.
1.00	Ridge, 10 ft. above cor., bears N.20°E. and S.20°W.; gradually descend.
13.90	Draw, 45 ft. below ridge, drains S.; enter aspen timber, bears N. and S.; ascend.
19.60	Leave timber, bears N. and S.
25.60	Ridge, 50 ft. above draw, bears N.20°E. and S.20°W.; descend W. slope.
32.90	Enter dense aspen timber, bears N. and S.
37.70	Leave aspen timber and enter wide, open draw, bears N. and S.
40.58	Fall 98 lks. S. of the ½ sec. cor., which is a granite, 8 x 8 x 8 ins. above ground, firmly set, marked ¼ on

chains	
	N. face; and witnessed by scattered mound of stone around cor.
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	From this cor., the SE. cor. of Greenwood's pasture, bears N.10° 35'W., 1.65 chs. distant.
	The bearing of this ½ mile is therefore N.88° 37'W., and the distance is 40.59 chs.
	From ¼ sec. cor., continue
	West, with continuous measurement.
	Across bottom of wide draw.
41.00	Bottom of draw, 150 ft. below ridge, drains S.
45.05	Leave draw and enter dense aspen timber, bears N. and S.; ascend E. slope.
49.75	Leave timber, bears N. and S.
50.75	Ridge, 60 ft. above draw, bears N. and S.; descend.
62.15	Enter aspen timber, bears N. and S.
70.55	Leave timber, bears N. and S.
74.40	Bottom of wide, draw, 300 ft. below ridge, drains S.; ascend.
75.35	Enter aspen thicket, bears N. and S.
77.25	Leave thicket, bears N. and S.
79.75	Ridge, 70 ft. above draw, bears N. and S.
80.73	Fall 92 lks. N. of the cor. of secs. 2,3,34 and 35, which is a granite, 8 x 8 x 8 ins. above ground, firmly set, marked with 4 notches on W. and 2 notches on E. edge; and witnessed by a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	The bearing of this ½ mile is S.88° 41'W., and the distance is 40.15 chs.
	Land, mountainous; general S. exposure and drainage.
	Soil, brown mountain loam and rocky of granite formation; subsoil, moist, brown loam and rock.
	Timber, scattering aspen thickets.
	Undergrowth, dense sage, scattering service berry, deer oak and buck brush.
	Good grazing land.

chains	
	From the cor. of secs. 2,3,34 and 35.
	West, on a retracement line bet. secs. 3 and 34.
40.68	Fall 61 lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is therefore N.89°08'W., and the distance is 40.68 chs.
	From ¼ sec. cor.,
	West.
40.00	No trace of the cor. of secs. 3,4,33 and 34 can be found, I therefore continue my line west, making careful searches at intervals of 40.00 chs. for ¼ sec. and sec. cors. and,at
162.94	Fall 2.37 chs. S. of the ¼ sec. cor. bet. secs. 5 and 32 hereinafter described.
	The bearing of the line bet. the ¼ sec. cor. bet. secs. 3 and 34 and the ¼ sec. cor. bet. secs. 5 and 32 is N.89°10'W., and the proportionate distance for each ½ mile is 40.74 chs.

	From the cor. of secs. 2,3,34 and 35.
	N.89°08'W., on resurvey line bet. secs. 3 and 34.
	Over mountainous land through dense undergrowth of sage and deer brush. Gradually descend W. slope.
2.00	Wire fence, bears N.85°E. and S.89°W.
7.00	Draw, 45 ft. below sec. cor., drains S.; ascend E. slope through dense undergrowth.
29.00	Intersect N. edge of aspen thicket, bears S.
29.80	Ridge, 375 ft. above draw, bears N. and S.; descend.
34.90	Enter aspen thicket, bears N. and S.
38.50	Leave thicket, bears N. and S.
40.68	Intersect the ¼ sec. cor. which is a granite, 5 x 10 x 8 ins. above ground, firmly set, marked ¼ on N. face; no accessories to cor.
	I mark bearing trees as follows:
	An aspen, 8 ins.diam.,bears N.77½°E., 206 lks. dist.,marked ¼ S 34 B T
	An aspen, 6 ins.diam.,bears S.35¼°W., 108 lks. dist.,marked ¼ S 3 B T

chains	
	From this cor. the chimney on Robert Ross's cabin, bears N.63°21'W.; the center of outlet to small reservoir, bears N.19°30'W.
	From ¼ sec. cor., continue
	N.89°10'W., with continuous measurement
	Continue descent W. slope through dense undergrowth.
48.80	Wire fence, bears N.87°W. and S.87°E.
50.65	Intersect SW. cor. of Pole corral; Chimney on Robert Ross's cabin bears N.27°55'E.; outlet at reservoir, bears N.8°E.
54.00	Bottom of draw, 340 ft. below ridge, drains S.; ascend.
60.42	The SW. cor. of wire fence bearing N. and E., bears N. 30 lks. distant.
61.25	Enter dense aspen timber and dense undergrowth, bears N. and S.; begin steep ascent E. slope.
66.85	Ridge, 145 ft. above draw, bears N. and S.; descend W. slope.
81.42	Proportionate measurement.
	Point for cor. of secs. 3,4,33 and 34 falls on trachyte surface rock; mark (X) at exact cor. point, and, over same,
	Set a granite, 30 x 20 x 6 ins., 24 ins. in a large mound of stone for cor. of secs. 3,4,33 and 34, marked with 3 notches on E. and 3 notches on W. edge; from which
	An aspen, 6 ins.diam.,bears N.31½°E., 163 lks. dist.,marked T 24 S R 4½ W S 34 B T
	An aspen, 5 ins. diam.,bears S.44¼°E., 38 lks. dist.,marked T 25 S R 4½ W S 3 B T
	An aspen, 5 ins.diam.,bears S.38¼°W., 43 lks. dist.,marked T 25 S R 4½ W S 4 B T
	An aspen, 6 ins.diam.,bears N.37½°W., 157 lks. dist.,marked T 24 S R 4½ W S 33 B T
	Cor. stands on W. slope in dense aspen timber, 110 ft. below ridge.
	Land, mountainous; general S. exposure and drainage.

chains	
	Soil, brown mountain loam streaked with rock of granite formation; subsoil, moist loam and rock.
	Timber, dense aspen thickets.
	Undergrowth, dense sage, choke cherry, service berry, deer and oak brush.
	Good grazing land.

	From the cor. of secs. 3,4,33 and 34.
	N.89°10'W., on resurvey line bet. secs. 4 and 33.
	Over rough mountainous land through dense aspen timber and undergrowth of sage, scattering choke cherry, service berry and deer brush. Descend W. slope.
15.25	Leave timber, bears N. and S.
17.85	Bottom of wide draw, 270 ft. below sec. cor., drains S.10°W.; gradually ascend.
18.52	From this point, the extreme N. point of a circular corral surrounding Gardner Spring bears S. 5.64 chs. distant. This spring is enclosed by above corral which is 1 ch. in diameter.
40.74	Proportionate measurement.
	Set a granite, 18 x 18 x 10 ins., 12 ins. in the ground for ¼ sec. cor., marked ¼ on N. face; raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Cor. stands on top of ridge, 210 ft. above draw, bears N. and S.
	Descend over W. slope through dense undergrowth.
64.65	Draw, 190 ft. below ridge, drains S.; ascend.
68.45	Enter dense aspen thicket, bears N. and S.
75.25	Ridge, 90 ft. above draw, bears N. and S.; leave timber, bears N. and S.; gradually descend W. slope.
81.48	Proportionate measurement.
	Set a granite, 32 x 16 x 6 ins., 6 ins. in the ground on solid rock and 18 ins. in a large mound of stone for cor. of secs. 4,5,32 and 33, marked with 4 notches on E. and 2 notches on W. edge; from which
	An aspen, 10 ins.diam.,bears S.20½°E., 240 lks. dist.,marked T 25 S R 4½ W S 4 B T

chains	
	An aspen, 8 ins.diam.,bears S.41°W., 302 lks. dist.,marked T 25 S R 4½ W S 5 B T
	No other trees available.
	Cor. stands on gentle W. slope about 20 ft. below top of ridge.
	Land, mountainous; general S. exposure and drainage.
	Soil, brown mountain loam and rocky of granite formation; subsoil, moist brown loam and rock.
	Timber, scattering aspen thickets.
	Undergrowth, dense sage, scattering service berry, choke cherry and deer brush.
	Good grazing land.

	From the cor. of secs. 4,5,32 and 33.
	N.89°10'W., on resurvey line bet. secs. 5 and 32.
	Over mountainous land through dense undergrowth of oak, sage, service berry and deer brush. Descend W. slope of high ridge.
33.45	Draw, 500 ft. below sec. cor., drains S.; leave dense oak brush, bears N. and S. Ascend.
40.00	Ridge, 65 ft. above draw, bears N. and S.; gradually descend.
40.74	The ¼ sec. cor., which is a granite, 16 x 11 x 5 ins., above ground, firmly set, marked ¼ on N. face, and witnessed by a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	Thence
	West, with continuous measurement.
50.45	Shallow draw, 40 ft. below ridge, drains S.; ascend.
55.25	Low spur, 35 ft. above draw, projects S.; descend.
60.75	Enter aspen thicket, bears N. and S.
63.25	Draw, 50 ft. below spur, drains SE.; ascend.
66.60	Leave timber, bears NW. and SE.; ascend abruptly E. slope covered with dense undergrowth.
81.87	Fall 1.36 chs. N. of the cor. of secs. 5,6,31 and 32, which is a granite, 16 x 16 x 3 ins., firmly set in

chains

a mound of stone, marked with 5 notches on E. and 1 notch on W. edge, and witnessed by a large mound of stone W. of cor.

Cor. stands on top of ridge, 220 ft. above draw, bears N. and S.

The bearing of this half mile is therefore S.88°06'W., and the distance is 41.15 chs.

Land, mountainous; general S. exposure and drainage.

Soil, brown mountain loam and rock of granite formation; Subsoil, moist loam and rock.

Timber, scattering aspen thickets.

Undergrowth, sage, oak, service berry, deer and buck brush.

Good grazing land.

RETRACEMENT OF SUBDIVISION OF T.24 S.,R.4½ W.

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

North, on a retracement line bet. secs. 33 and 34.

40.00 No trace of the ¼ sec. cor. can be found.

79.19 Fall 43 lks. W. of the cor. of secs. 27,28,33 and 34, which is an iron post, 2 ins. in dia., extending 12 ins. above ground firmly set, with brass cap marked

T24S S28	R4½W S27
S33	S34

1916

from which

An aspen, 8 ins.diam.,bears N.24¾°E., 12 lks. dist.,marked T 24 S R 4½ W S 27 B T

An aspen, 5 ins.diam.,bears S.35½°E., 5 lks. dist.,marked T 24 S R 4½ W S 34 B T

An aspen, 6 ins.diam.,bears S.78°W., 8½ lks. dist.,marked T 24 S R 4½ W S 33 B T

chains	
	An aspen, 8 ins.diam., bears N.72½°W., 5 lks. dist., marked T 24 S R 4½ W S 28 B T
	The bearing of this mile is N.0°19'E., and the distance is 79.19 chs.

	From the cor. of secs. 4,5,32 and 33 on the S. bdy. of the tp.,
	North, on a retracement line bet. secs. 32 and 33.
40.00	No trace of the ¼ sec. cor. can be found.
84.65	Fall 1.50 chs. E. of the cor. of secs. 28,29,32 and 33, which is a granite, 24 x 16 x 6 ins., above ground, firmly set, marked with 4 notches on E. and 1 notch on S. edge; alongside stone cor. is,
	An iron post, 3 ft. long, 2 ins. in dia., extending 12 ins above ground, firmly set, with brass cap marked

T24S S29	R4½W S28
S32	S33

1916

	An witnessed by a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	The bearing of this mile is N.1° 01'W., and the distance is 84.66 chs.

RETRACEMENT OF SUBDIVISION OF T.25 S.,R.4½ W.

	From the cor. of secs. 3,4,33 and 34 on the N. bdy. of the tp.,
	South, on a retracement line bet. secs. 3 and 4.
46.10	Fall 2.43 chs. W. of the ¼ sec. cor., which is a granite, 16 x 7 x 6 ins., above ground, firmly set, marked ¼ on W. face and witnessed by a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	The bearing of this ½ mile is S.3° 01'E., and the distance is 46.16 chs.

CHAINS	
	From the cor. of secs. 4,5,32 and 33 on the N. bdy. of the tp.,
	South, on a retracement line bet. secs. 4 and 5.
40.00	No trace of the ¼ sec. cor. can be found.
83.44	Fall 2.02 chs. W. of the cor. of secs. 4,5,8 and 9, which is a granite, 12 x 16 x 5 ins., above ground, firmly set, marked with 4 notches on E. and 5 notches on S. edge; no accessories to cor.
	The bearing of this mile is S.1° 23'E., and the distance is 83.46 chs.

GENERAL DESCRIPTION

This township boundary is situated on a high plateau or rolling mountain top ranging from 6000 to 7000 ft. above sea and has a general South exposure and drainage to Clear Creek Canyon.

The soil is a dark brown mountain loam streaked with rock of granite formation and lies on a subsoil of moist brown loam which is packed hard by precipitation.

Aspen thickets are found on the sheltered slopes of the ridges. A rank growth of sage, oak, service berry and choke cherry undergrowth is found on the greater part of the line.

I did not find any trace of mineral along the line.

There is not any water that flows across this line; several springs head in the vicinity of it.

No magnetic declination was taken on account of defective needle.

Howard W. Nicar
U. S. Cadastral Engineer

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BOOK A-451

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Robert C. Yundt	1st. chainman
Brennan S. Thomas	2nd. chainman
Farrel Rasmussen	Flagman
Elvery L. Loynd	axman
Edward M. Block	Cornerman

6—2764

CADASTRAL ENGINEER

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~.

I, Howard W. Miller, Cadastral Engineer, U. S. ~~Surveyor~~, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 2nd. day of August 1920, 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 Resurvey of the south boundary and retracement of subdivision of T.24 S.,R.4½ W., and retracement of subdivision of T.25 S.,R.4½ 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; and on dates as shown on diagram that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Certified to at Salt Lake City, Utah, February 21, 1922

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

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, ..., 191

The foregoing field notes of the ~~survey of~~ resurvey of the south boundary, and retracement of the subdivisional lines of Township No. 24 South, Range No. 4½ W.; and retracement of the subdivisional lines of Township No. 25 South, Range No. 4½ West, of the Salt Lake Base and Meridian, Utah;

executed by Howard W. Miller

under ~~his~~ special instructions dated August 2, 1920, ~~191~~, having been critically examined, and the necessary corrections and explanations made, ~~the said field notes, and the surveys~~ retracements and resurveys they describe, are hereby approved.

C. A. Sorenson

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.