

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

1156

Of the Meridian,

the State of

EXECUTED BY

under special instructions dated, 19....., which provided

the surveys included under Group No., approved

assignment instructions dated, 19.....

Survey commenced, 19.....

Survey completed, 19.....

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INDEX DIAGRAM

Township 40 SOUTH, Range 7 WEST

6	5	4	3	2	1
7	8	9	10	11	12
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168 (handwritten) is written above the cell containing 28.
170 (handwritten) is written to the right of the cell containing 29.
172 (handwritten) is written below the cell containing 35.
 A small grid of 3x3 cells is drawn within the cell containing 29.

Subdivision of Sec. 26, pages 173 to 177 350 000110

INDEX DIAGRAM

Township 40 SOUTH, Range 8 West

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Initial Point
United Special Meridian
and Base Line.
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Township....., Range.....

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13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

Township 43 South, Range 6 West

Chains

The original survey of secs. 8 and 9, T. 43 S., R. 6 W., was made by J. C. Thoma and J. C. Clark, in 1915.

The following field notes are those of the dependent resurvey of the south half mile between secs. 8 and 9, T. 43 S., R. 6 W., and the subdivision into small tracts of portions of secs. 8 and 9.

The survey was executed with a W. and L. E. Gurley solar transit, serial number 491037, which conforms to the standard instrumental specification of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of the survey.

The measurements were made with narrow steel tapes, 5 and 8 chains in length, graduated to tenths of links for the first link, to links for the next 99 links, and thereafter at intervals of 10 links. The tapes were tested by comparison with a standard steel tape 1 chain in length and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by two clinometers in good adjustment. The slope distances were properly reduced to horizontal equivalents which are entered in the field note record.

The geographic position of the cor. of secs. 8, 9, 16 and 17 is latitude 37° 04' 48" N. and longitude 112° 32' 16" W., as determined by scaling on a reliable U.S.G.S. topographic map.

The directions of all lines of this survey were determined by sustained angulation carried forward from the meridian determined by the following direct solar observation: July 27, 1956, at station which is located on the line between secs. 8 and 9, S. 0° 02' E., 4.22 chs. dist., from the 1/4 sec. cor. of secs. 8 and 9, I made a series of 6 altitude observations upon the sun for azimuth, 3 each with the telescope in direct and reversed positions and observe angle from a flag on the section line approximately 22 chains southerly, to the left of the sun.

Time of observation, (105th meridian standard time)	4h 35m 44s P.M.
Mean observed vertical angle	34°22'10"
Horizontal angle to sun	88°34'15"
Declination of sun	19°02'55"
True bearing of section line	S. 0° 02' E.

No magnetic declination taken.

Dependent Resurvey of the South Half Mile Between Secs. 8 and 9, T. 43 S., R. 6 W.

Beginning at the cor. of secs. 8, 9, 16 and 17, T. 43 S., R. 6 W., marked by an iron post, 2 ins. diam., 12 ins. above ground, set, marked and witnessed as described in the official record.

N. 0° 02' W., bet. secs. 8 and 9.

18.572

Intersect the northeasterly right-of-way line of U. S. Highway No. 89, bears N. 17° 08' W. and S. 17° 08' E.

Point for the cor. of lot 5, sec. 8 and lot 8, sec. 9.

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Township 39 South, Range 6 West

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

6-151

1703

Chains

The following field notes are those of a dependent resurvey of the boundaries of sec. 13, T. 39 S., R. 6 W., Salt Lake Meridian, Utah, and the subdivision of said sec. in order to locate and determine the position of coal lease No. Salt Lake 064507 of William J. Smirl.

The Panguitch and Kanab Guide Meridian through T. 39 S., between Rs. 5 and 6 W. and the north, south, and west boundaries of sec. 13, T. 39 S., R. 6 W., were surveyed by J.G. Burrell in 1876, and resurveyed by Shadrach M. Richardson in 1884. Preliminary to the resurvey of the boundaries of sec. 13, the lines of the governing survey were retraced and diligent search was made for missing corners and other calls of the record. Identified corners are reestablished in their original positions, lost corners are reestablished and remonumented at proportionate positions based upon the governing record and the true lines are blazed through the timber. The retracement data are thoroughly verified and the true line field notes are given herein.

The survey was commenced September 21, 1946 and executed by Elliot Bird, Cadastral Engineer, using Buff and Buff solar transit No. 18003. The instrument is equipped with a Smith solar attachment and has a full vertical circle. The horizontal limb has two double verniers placed opposite to each other and read to single minutes of arc, with 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, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in supplemental assignment instructions dated September 26, 1942.

The bearings of the lines were determined by deflection angles from true meridians determined by hour angle observations made upon Polaris during the progress of the work. The lines were carried forward by taking the mean of direct and reversed sights at each instrument station. A degree of accuracy was maintained in this survey to make it conform to that of a mineral survey.

The measurements were made with a Lallie steel tape 5 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested, comparison being made with a Lufkin standard steel tape 1 chain in length and found correct. The measurements were made on the slope, the vertical angle determined at each interval with the transit and the slope measurements properly reduced to true horizontal distances.

The geographic position of the southeast corner of sec. 13, T. 39 S., R. 6 W., is latitude $37^{\circ}24'$ N., and longitude $112^{\circ}28'$ W., which was determined by computation from U.S. Coast and Geodetic triangulation station "Alton" located in the $SW\frac{1}{4}$ $SW\frac{1}{4}$ sec. 20, T. 38 S., R. 5 W.

DEPENDENT RESURVEY OF A PORTION PANGUITCH AND KANAB GUIDE MERIDIAN, THROUGH T. 39 S., BETWEEN Rs. 5 AND 6 W.

Reestablishment of surveys executed by J.G. Burrell in 1876 and resurveyed by Shadrach M. Richardson, in 1884.

September 22, 1946: Station at the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of T. 39 S., R. 6 W., in approximate latitude $37^{\circ}24'$ N., longitude $112^{\circ}28'$ W., at 9h 23.6m a.m. correct 105th meridian standard time, I make an hour angle observation upon Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the

DEPENDENT RESURVEY OF A PORTION PANGUITCH AND KANAB
GUIDE MERIDIAN, THROUGH T. 39 S., BETWEEN Rs. 5 AND 6 W.

Chains horizontal deflection angle from a flag at the cor. of secs. 7, 12, 13, and 18, in a counter clockwise direction to the star.

Local mean time of observation..... 8h 53.7m a.m.
Mean horizontal deflection angle..... 1° 09'
Azimuth of Polaris..... 1° 11' W.
True bearing to section corner..... N. 0°02' W.

The cor. of secs. 13, 18, 19, and 24, on the E. bdy. of T. 39 S., R. 6 W., is marked by the 1884 resurvey monument, a sandstone, 18 x 10 x 3 ins., marked 3 grooves on N. and S. faces, firmly set, in fence line, bearing E. and W. and unwitnessed.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, with brass cap marked

T39S	
R6W	R5W
S13	S18
S24	S19

1946

Raise a mound of stone, 2 ft. base, 1 ft. high, around cor. and bury the stone cor. monument alongside the iron post.

Thence, from the above cor.

N. 0°02' W., bet. secs. 13 and 18.

Over nearly level cultivated land.

3.50 Wash, 2.50 chs. wide, 20 ft. deep, drains SW.

20.02 Point for the S. 1/16 sec. cor. of secs. 13 and 18; at NW. edge of cultivated land, bears NE. and SW.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, with brass cap marked

S 1/16	
S13	S18
1946	

Set a juniper post, 5 ft. long, 4 ins. in diam., alongside the iron post:

22.10 Barbed wire fence, bears NE. and SW.

27.40 The SE. bank of Kanab Creek, 20 ft. high, bears NE. and SW.; thence across channel of creek.

30.00 Kanab Creek, stream of alkali water, 5 lks. wide, 3 ins. deep, flows SW.

32.50 The NW. bank of Kanab Creek, 20 ft. high, bears NE. and SW.; thence through dense sagebrush and scattered juniper timber.

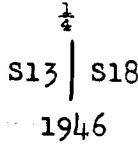
40.04 The 1/4 sec. cor. of secs. 13 and 18, marked by the 1876 survey monument, a sandstone, 10 x 6 x 2 ins., firmly set, marked 4 on W. face and unwitnessed.

DEPENDENT RESURVEY OF A PORTION PANGUITCH AND KANAB
GUIDE MERIDIAN, THROUGH T. 39 S., BETWEEN Rs. 5 AND 6 W.

Chains

At the cor. point:

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and a small mound of stone, with the original cor. monument buried alongside, with brass cap marked



from which

A juniper, 10 ins. in diam., bears N. 47°30' E., 66 lks. dist., marked $\frac{1}{4}$ S18 BT.

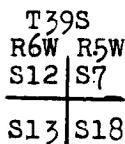
A juniper, 8 ins. in diam., bears N. 25°45' W., 117 lks. dist., marked $\frac{1}{4}$ S13 BT.

Continue on same line beginning new measurement.

- 0.50 Graded and gravelled road, bears NW. to Alton, Utah, and SE. to Johnson, Utah.
- 0.90 Junction of barbed wire fence from the N. with fence bearing NW. and SE.
- 5.00 The NW. cor. of fences bearing E. and S.; leave all timber, bears E. and W.
- 15.80 The SW. bank of channel of Kanab Creek, 50 ft. high, bears NW. and SE.; thence across channel of creek.
- 16.80 Kanab Creek, small stream of alkali water, 5 lks. wide, 3 ins. deep, flows SE.
- 19.00 The NE. bank of Kanab Creek, 50 ft. high, bears NW. and SE.
- 20.30 The SW. cor. of fences bearing N. and E.
- 21.90 The SE. bank of Kanab Creek, 50 ft. high, bears NE. and SW.
- 23.50 Kanab Creek, 5 lks. wide, 3 ins. deep. flows SW.
- 26.50 The NW. bank of Kanab Creek, 40 ft. high, bears SW. and NE.; continue along fence over cultivated land.
- 34.80 Junction of fence from the W. with fence bearing N. and S.
- 40.20 The cor. of secs. 7, 12, 13, and 18, marked by the 1876 survey monument, a sandstone, 11 x 10 x 8 ins., firmly set, marked 2 notches on N. edge and 4 notches on S. edge, cor. is unwitnessed.

At the cor. point; at the junction of fence from the S. with fence bearing E. and W.

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground and mound of stone, with the original cor. monument buried alongside, with brass cap marked



DEPENDENT RESURVEY OF A PORTION PANGUITCH AND KANAB
GUIDE MERIDIAN, THROUGH T. 39 S., BETWEEN Rs. 5 AND 6 W.

Chains

Land, nearly level.
Soil, deep dark heavy clay; 3rd rate.
Timber, scattered juniper on central portion of mile.
Undergrowth, sage and rabbit brush.
Fair grazing land on uncultivated portion.

DEPENDENT RESURVEY OF A PORTION SUBDIVISION, T. 39S., R. 6W.

Reestablishment of surveys executed by
J.G. Burrell in 1876 and resurveyed by
Shadrach W. Richardson in 1884.

From the cor. of secs. 13, 18, 19, and 24, on the E. bdy.
of the township, and from which cor., a nail driven in
the center of the cross beam at the main entrance to the
William J. Smirl coal mine, lease No. Salt Lake 064507,
bears N. 60°05' W., 18.74 chs. dist.; main entrance tunnel
bears N. 64° 00' W.
N. 89°59' W., bet. secs. 13 and 24.

Over nearly level cultivated land, along barbed wire fence
bearing E. and W.

- 3.50 Wash, 2.50 chs. wide, 20 ft. deep, drains SW.
- 10.00 The E. bank of channel of Kanab Creek, 10 ft. high, bears
N. and S.
- 11.00 Kanab Creek, stream of alkali water, 5 lks. wide, 3 ins.
deep, flows SW.
- 11.80 Gravelled road, bears NW. to Alton, Utah, and SE. to
Johnson, Utah.
- 18.50 The W. bank of Kanab Creek, 10 ft. high, bears NE. and SW.;
continue over cultivated land.
- 19.50 Leave cultivated land and ascend gradual SE. slope of
rolling mountainous land, through medium dense juniper
timber and undergrowth of sage and rabbit brush, bears
NE. and SW.
- 20.07 **Point** for the E. 1/16 sec. cor. of secs. 13 and 24; on
gradual SE. slope, in fence line, bears E. and W.
- Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground and a mound of stone, 3 ft. base, 1 ft. high,
with brass cap marked

$$E. 1/16 \frac{S13}{S24}$$

1946

from which

A juniper, 10 ins. in diam., bears S. 37°45' W., 23 lks.
dist., marked E 1/16 S24 BT.

A pinon, 5 ins. in diam., bears N. 46°30' W., 40 lks.
dist., marked E 1/16 S13 BT.

- 25.40 Low ridge, 75 ft. above Kanab Creek, bears N. and slopes
S. to a low pass; descend abrupt W. slope.
- 26.00 The W. end of fence line from the E.

DEPENDENT RESURVEY OF A PORTION SUBDIVISION, T. 39 S., R. 6 W.

Chains							
34.50	Small stream of alkali water in grassy bottom of wash, 1.20 chs. wide, 15 ft. deep, flows S.; ascend gradually over rolling bench land.						
40.14	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 24 at proportionate distance; no trace of the corner monuments of the original survey or resurvey could be found. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and in a large mound of stone, 4 ft. base, 1 ft. high, with brass cap marked $\frac{1}{4} \frac{S13}{S24}$ <p style="text-align: center;">1946</p> <p style="text-align: right;">from which</p> <p>A juniper, 10 ins. in diam., bears S. 77°30' E., 40 lks. dist., marked $\frac{1}{4}$ S24 BT.</p> <p>A juniper, 8 ins. in diam., bears N. 43°15' E., 62 lks. dist., marked $\frac{1}{4}$ S13 BT.</p> <p>Cof. set at the E. end of fence line bearing W.</p>						
67.90	Dim old road in bottom of shallow draw and at the NW. cor. of sheep corral, draw drains N. and road bears N. and S.						
80.28	The cor. of secs. 13, 14, 23, and 24, marked by the 1884 resurvey monument, a sandstone, 14 x 8 x 8 ins., firmly set, marked 1 notch on E. edge and 3 notches on S. edge and unwitnessed. At the cor. point at the W. end of fence from the E., in dense juniper and pinon timber. Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground and mound of stone, 3 ft. base, 8 ins. high, with the stone cor. monument buried along side the iron post, with brass cap marked <table style="margin-left: auto; margin-right: auto;"> <tr> <td>T39S</td> <td>R6W</td> </tr> <tr> <td>S14</td> <td>S13</td> </tr> <tr> <td>S23</td> <td>S24</td> </tr> </table> <p style="text-align: center;">1946</p> <p style="text-align: right;">from which</p> <p>A pinon, 12 ins. in diam., bears N. 70° E., 15 lks. dist., marked T39S R6W S13 BT.</p> <p>A pinon, 12 ins. in diam., bears N. 15°15' W., 37 lks. dist., marked T39S R6W S14 BT.</p> <p>No other suitable bearing trees available.</p> <p>Land, low rolling hills. Soil, deep heavy blue clay; 3rd rate. Timber, scrub juniper and pinon. Undergrowth, sage, rabbit, and oak brush, grass and weeds. Fair grazing land.</p>	T39S	R6W	S14	S13	S23	S24
T39S	R6W						
S14	S13						
S23	S24						

DEPENDENT RESURVEY OF A PORTION SUBDIVISION, T. 39 S., R. 6

Chains

N. $0^{\circ}04'$ W., bet. secs. 13 and 14.

Over low rolling hills, through medium dense scrub timber and undergrowth.

- 6.20 Low rise, bears NW. and SE.; descend gradual NE. slope.
- 18.70 Shallow draw, drains N. 80° E.
- 20.00 The SE. cor. of an old barbed wire fence, bearing N. and W., also bend in old unimproved road, bears N. 10° E. and SE.
- 31.00 Shallow draw, drains N. 80° E.
- 38.50 Top of ascent on E. slope of sage brush knoll, 70 ft. above draw, bears E. and W.; descend gradually along E. slope.
- 40.06 The $\frac{1}{4}$ sec. cor. of secs. 13 and 14, marked by the 1884 resurvey monument, a sandstone, $16 \times 10 \times 4$ ins., firmly set, marked $\frac{1}{4}$ on W. face, and unwitnessed.

At the cor. point, on gradual E. slope, in fence line bearing N. and S.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and small mound of stone, with the stone cor. monument buried alongside the post, with brass cap marked

$\frac{1}{4}$
 S14 | S13
 1946

from which

A juniper, 8 ins. in diam., bears N. $68^{\circ}30'$ E., 23 lks. dist., marked $\frac{1}{4}$ S13 BT.

A juniper, 8 ins. in diam., bears N. $18^{\circ}30'$ W., 144 lks. dist., marked $\frac{1}{4}$ S14 BT.

Thence, N. $0^{\circ}04'$ E., beginning new measurement.

- 27.40 The SE. cor. of a stock corral.

- 40.07 The cor. of secs. 11, 12, 13, and 14, marked by the 1884 resurvey monument, a sandstone, $16 \times 10 \times 4$ ins., firmly set in the ground and small mound of stone, no marks visible on stone, witnessed by three bearing trees as follows.

The stump of a juniper, 10 ins. in diam., bears S. 80° E., 98 lks. dist.; upon which I find dim scribe marks.

The stump of a dead juniper, 18 ins. in diam., bears S. $44^{\circ}30'$ W., 29 lks. dist., upon which I find dim scribe marks.

The stump of a dead juniper, 40 ins. in diam., bears N. 14° W., 248 lks. dist., marked BT.

At the cor. point, on the NE. edge of old road bearing NW. and SE.

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground and small mound of stone, with the stone cor. monument buried alongside the post, with brass cap marked

DEPENDENT RESURVEY OF A PORTION SUBDIVISION, T. 39 S., R. 6 W.

Chains

T39S	R6W
S11	S12
S14	S13

1946

from which

A juniper, 4 ins. in diam., bears S, 36° E., 38 lks. dist., marked S13 BT.

A juniper, 6 ins. in diam., bears S. $69^{\circ}30'$ W., 46 lks. dist., marked S14 BT.

No other suitable bearing trees available.

Land, low rolling hills.

Soil, deep heavy blue clay; 3rd rate.

Timber, scrub juniper and pinon.

Undergrowth, sage, rabbit, oak, and bitter brush, weeds, and grass..

Fair grazing land.

From the cor. of secs. 7, 12, 13, and 18, on the E. bdy. of the township.

S. $89^{\circ}56'$ W., bet. secs. 12 and 13.

Over cultivated land, along fence line bearing E. and W.

8.50 Intersection of fence from the S. with fence bearing E. and W.

16.30 Leave cultivated land and enter medium dense scrub juniper and pinon timber and undergrowth of sage, oak, and rabbit brush, bears NW. and SE.

20.00 Junction of fences bearing N. and S. with fence bearing E. and W.

28.90 Junction of fence from the E. with fence bearing N. and S.

29.20 Graded and gravelled road on top of low ridge, bears N. to Alton, Utah, and S. to coal mine and Johnson, Utah.

29.80 Fence, bears N. and S.; descend gradual W. slope.

38.00 Wash, 30 lks. wide, 6 ft. deep, drains SW.

40.11 Point for the $\frac{1}{4}$ sec. cor. of secs. 12 and 13, at proportionate distance.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, with brass cap marked

$\frac{1}{4}$	S12
	S13

1946

from which

A pinon, 8 ins. in diam., bears N. $38^{\circ}45'$ E., 146 lks. dist., marked $\frac{1}{4}$ S12 BT.

A juniper, 10 ins. in diam., bears S. 34° E., 110 lks. dist., marked $\frac{1}{4}$ S13 BT.

DEPENDENT RESURVEY OF A PORTION SUBDIVISION, T. 39 S., R. 6 W.

Chains

- From this $\frac{1}{4}$ sec. cor., the 1884 resurvey cor. monument, bears N. 83° E., $\frac{3}{4}$ lks. dist., a sandstone, 6 x 6 x 6 ins., lying on the ground out of place, marked $\frac{1}{4}$ on top face and unwitnessed. I bury the cor. monument alongside the iron post.
- 45.30 Small stream of alkali water, in wash, 170 lks. wide, 20 ft. deep, flows S.
- 55.70 Low ridge, bears N. and S.
- 63.00 Small wash, 40 lks. wide, 5 ft. deep, drains S.
- 73.50 Small stream of alkali water in grassy draw, drains S., 4.00 chs. dist. to junction with next stream.
- 78.20 Small stream of alkali water in bottom of grassy draw, flows SE.
- 79.20 Barbed wire fence, bears NW. and SE.
- 80.22 The cor. of secs. 11, 12, 13, and 14.

Land, rolling.

Soil, deep heavy clay.

Timber, scrub juniper and pinon.

Undergrowth, sage, oak, and rabbit brush, shadscale, browse, weeds, and grass.

Fair grazing land.

SUBDIVISION OF SEC. 13, T. 39 S., R. 6 W.

From the $\frac{1}{4}$ sec. cor. of secs. 13 and 24.N. $0^{\circ}01'$ W., on true N. and S. center line of sec. 13.

Descend gradually over rolling mountainous land, through scattered scrub timber and short undergrowth.

- 8.40 Small stream of alkali water in bottom of grassy draw at bend, flows SE. from the NE.
- 16.70 Recross same stream in grassy draw, flows S. 20° E.
- 20.03 Point for the center S. $\frac{1}{16}$ sec. cor. of sec. 13, at proportionate distance.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and small mound of stone, with brass cap marked

C
S $\frac{1}{16}$ | S13
C

1946

from which

A juniper, 6 ins. in diam., bears S. $33^{\circ}45'$ E., 67 lks. dist., marked CS $\frac{1}{16}$ S13 BT.A juniper, 8 ins. in diam., bears N. $9^{\circ}30'$ W., 10 lks. dist., marked CS $\frac{1}{16}$ S13 BT.

- 36.00 Top of a low timbered knoll.

SUBDIVISION OF SEC. 13, T. 39 S., R. 6 W.

Chains

40.06 Point for the center $\frac{1}{4}$ sec. cor. of sec. 13, at the intersection with the true E. and W. center line.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, with brass cap marked

C $\frac{1}{4}$ S13

1946

from which

A juniper, 8 ins. in diam., bears N. 28° E., 75 lks. dist., marked C $\frac{1}{4}$ S13 BT.

A pinon, 10 ins. in diam., bears S. 22° W., 22 lks. dist., marked C $\frac{1}{4}$ S13 BT.

49.90 Small grassy draw with seeps of alkali water, flows SW., and heads about 3 chains to the NE.

78.60 Wash, 30 lks. wide, 6 ft. deep, drains SW.

80.19 The $\frac{1}{4}$ sec. cor. of secs. 12 and 13.

Land, low rolling hills.

Soil, deep heavy clay.

Timber, scrub juniper and pinon.

Undergrowth, sage, oak, and rabbit brush, shadscale, greasewood, browse, and weeds.

Fair grazing land.

From the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, on the E. bdy. of the township.

N. 89°58' W., on true E. and W. center line of sec. 13.

Ascend gradual E. slope of rolling mountainous land, through medium dense scrub timber and short undergrowth.

4.30 Grassy bottom of large wash, 2.00 chs. wide, 20 ft. deep, drains S. 20° E.

7.00 Graded and gravelled road, bears N. 10° W. to Alton, Utah, and S. 10° E. to coal mine and Johnson, Utah.

12.30 Rolling top of low ridge, bears N. and S.; descend gradual W. slope.

20.06 Point for the center E. $\frac{1}{16}$ sec. cor. of sec. 13, at proportionate distance.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and small mound of stone, with brass cap marked

E $\frac{1}{16}$
C ——— C

S13

1946

from which

A juniper, 10 ins. in diam., bears S. 81°30' W., 102 lks. dist., marked CE $\frac{1}{16}$ S13 BT.

A juniper, 8 ins. in diam., bears N. 4°30' W., 85 lks. dist., marked CE $\frac{1}{16}$ S13 BT.

Chains

- 24.30 Wash, 30 lks. wide, 10 ft. deep, in shallow draw, drains SW.
- 33.30 Low flat rise, bears NE. and SW.
- 40.12 The center $\frac{1}{4}$ sec. cor. of sec. 13.
- 47.20 Small stream of alkali water in bottom of grassy draw, flows S.
- 76.30 Unimproved old road, bears N. and S.
- 90.29 The $\frac{1}{4}$ sec. cor. of secs. 13 and 14.

Land, low rolling hills.

Soil, deep heavy clay; 3rd rate.

Timber, scrub juniper and pinon.

Undergrowth, sage, rabbit, and oak brush, shadscale, browse, and weeds.

Fair grazing land.

From the E. $\frac{1}{16}$ sec. cor. of secs. 13 and 24.

N. $0^{\circ}01'$ W., on true N. and S. center line SE $\frac{1}{4}$ sec. 13.

Ascend gradual SE. slope of rolling mountainous land, through medium dense timber and undergrowth.

- 13.70 Low ridge, 200 ft. above cor., bears N. 20° E. and S. 20° W., descend gradual NW. slope.

- 20.03 Point for the SE. $\frac{1}{16}$ sec. cor. of sec. 13, at the intersection with the true E. and W. center line of SE $\frac{1}{4}$.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and small mound of stone, with brass cap marked

SE $\frac{1}{16}$ S13

1946

from which

A pinon, 10 ins. in diam., bears S. 70° E., 14 lks. dist., marked SE $\frac{1}{16}$ S13 BT.

A pinon, 9 ins. in diam., bears S. 76° W., 33 lks. dist., marked SE $\frac{1}{16}$ S13 BT.

Cor. set on gradual NW. slope, 60 ft. below top of ridge.

- 40.06 The center E. $\frac{1}{16}$ sec. cor. of sec. 13, 70 ft. below the SE. $\frac{1}{16}$ sec. cor.

Land, low rolling hills.

Soil, deep clay and rock; 4th rate.

Timber, scrub juniper and pinon.

Undergrowth, sage, rabbit, and oak brush, shadscale, greasewood, weeds, and browse.

Fair grazing land.

From the S. $\frac{1}{16}$ sec. cor. of secs. 13 and 18, on the E. bdy. of the township.

N. $99^{\circ}59'$ W., on true E. and W. center line SE. $\frac{1}{4}$ sec. 13.

SUBDIVISION OF SEC. 13, T. 39 S., R. 6 W.

Chains	
	Over low rolling hills through medium dense undergrowth.
0.50	The E. bank of channel of Kanab Creek, 20 ft. high, bears N. and S.
1.50	Kanab Creek, stream of alkali water, 5 lks. wide, 3 ins. deep, flows S.
2.50	The W. bank of Kanab Creek, 20 ft. high, bears N. and S.; ascend gradually.
6.80	Graded and gravelled road, bears N. to Alton, Utah, and S. to coal mine and Johnson, Utah; enter medium dense scrub juniper and pinon timber, bears N. and S.
16.30	Rolling top of ridge, 160 ft. above cor., bears N. and S.; descend gradual NW. and W. slopes.
20.06	The SE. 1/16 sec. cor. of sec. 13.
28.00	Small draw, drains S. 20° W.
40.12	The center S. 1/16 sec. cor. of sec. 13, 190 ft. below top of ridge.

Land, low rolling hills.

Soil, deep heavy clay.

Timber, scrub juniper and pinon.

Undergrowth, sage, rabbit, and oak brush, shadscale, greasewood, browse, and weeds.

Fair grazing land.

GENERAL DESCRIPTION OF SEC. 13, T. 39 S., R. 6 W.

The land within the boundaries of section 13, T. 39 S., R. 6 W., Salt Lake Meridian, Utah, consists of low rolling hills with wide draws and bottom lands, which have a general southerly exposure and drainage into Kanab Creek. It is of a blue shale and sandstone formation and in most places is covered with a medium dense growth of scrub juniper and pinon timber and an undergrowth of sage, oak, and rabbit brush, shadscale, greasewood, browse, and weeds.

The soil in general, consists of a deep heavy clay and portions of the wide bottom lands of the draws are under cultivation and crops of grain are being raised without irrigation.

The only permanent water in the section is Kanab Creek, a stream of alkali water about 5 links wide and 3 ins. deep, which flows in a southerly direction through the east part of the section. A small intermittent stream of alkali water flows in a southeasterly direction through the central portion of the section.

Surface indications of coal were found throughout the south half of the section and a coal mine was in operation in the SE₄, SE₄, section 13, the portal of which is located at a point, N. 60°05' W., 18.74 chs. distant from the cor. of secs. 13, 18, 19 and 24, on the east boundary of the township. From this coal mine, a graded and gravelled road bears in a northerly direction to Alton, Utah, and a southerly direction to Johnson, Utah. The town of Alton is located about 2 miles to the northwest of the coal mine. The coal mine, the graded and gravelled road, and about one mile of fencing, were the only improvements found on the section.

The mean magnetic declination was found to be 15°30' E.

CERTIFICATE OF SURVEYOR

I, Elliot Bird, Cadastral Engineer, HEREBY CERTIFY upon honor that, in supplemental regional cadastral instructions bearing date of the 17th day of July 1946, received from the district cadastral engineer for Utah, supplemental with assignment instructions dated September 26, 1942, I have surveyed dependently resurveyed the boundaries, and surveyed the subdivision of section 13, T. 39 S., R. 6 W.

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes. Salt Lake City, Utah. January 23, 1947. Cadastral Engineer

Elliot Bird

CERTIFICATE OF APPROVAL

Chief Cadastral Engineer, OFFICE OF SUPERVISION OF SURVEYS, Denver, Colorado, FEB 26 1948, 19

The foregoing field notes of the survey of dependent resurvey of the boundaries and survey of the subdivision of section 13, T. 39 S., R. 6 W., Salt Lake Meridian, Utah

executed by Elliot Bird, Cadastral Engineer, supplemental under special instructions dated July 17, 1946, supplemental instructions dated September 26, 1942, and assignment having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

Charles Harrington, Supervisor of Surveys

ACTING ASSISTANT CHIEF Cadastral Engineer.

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in is a true copy of the original field notes on file in the public survey office.~~

Supervisor of Surveys

INDEX DIAGRAM

Township 39 South, Range 7 West

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1902

DEPENDENT RESURVEY, T. 39 S., R. 7 W.

Chains

The original survey of the boundaries of T. 39 S., R. 7 W., of the Salt Lake Meridian, Utah, was made by A.J. Stewart, Jr., in 1883, and that of the subdivision by Shadrach M. Richardson in 1885. The east four miles of the south boundary were resurveyed by R.E.L. Collier, in 1895, and the west two miles by Andrew Nelson, in 1931. The west boundary was retraced by Alfred B. Lewis in 1897, and the north boundary resurveyed by Andrew Nelson and Elliot Bird, in 1941. The following field notes are those of a dependent resurvey of the east boundary, the east four miles of the south boundary, and the south three miles of the west boundary and of those sections located south of the boundary of the National Forest.

The dependent resurvey is a reestablishment of the lines of the original survey in their true original position according to the identified evidence of that survey. Before restoring a missing corner or remonumenting an identified corner the lines of the original survey were retraced and searches made for the original corner monuments and other calls of the field notes. The rules of proportionate measurement were applied in order to ascertain the position of each lost corner, and when duly identified or restored the corner positions were remonumented with the regulation iron posts. In order to simplify the record, only the true line notes referring to the completed resurvey are supplied here.

The resurvey was executed with Buff and buff solar transit number 14191, property of the Bureau of Land Management. Its horizontal plate is provided with two double verniers and it has a full vertical circle with one double vernier. The instrument is equipped with an improved Smith solar attachment. The verniers of the horizontal plate, vertical circle and those of the latitude and declination arcs of the solar attachment, all are graduated to single minutes of arc. The instrument was in good condition and prior to the beginning of the field work it was tested and found free from error. It was maintained in good adjustment throughout the resurvey.

The bearings of the lines of the resurvey were determined by the solar transit method and before the beginning of the field work the solar unit of the transit was placed in adjustment and the indicated meridians obtained by its use were compared with the true meridian determined by Polaris observations and found to be in close agreement. The solar unit was tested frequently during the field work in order to insure its continued accuracy.

The geographic position of the southeast corner of the township according to the data accompanying the special instructions for this group is as follows.

Latitude 39°22.2' N.

Longitude 112°34' W.

The mean magnetic declination was found to be approximately 15°45' E.

The measurements were made with Lallie steel ribbon tapes eight chains in length. The tapes were graduated every link for the 1st chain and thereafter at intervals of 10 links. They were tested by comparison with a Luffkin standard steel tape one chain in length and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to true horizontal distances which are used in these notes.

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T. 39 S., R. 7 W.

Reestablishment of surveys executed by A.J. Stewart, Jr.,
in 1883.

Beginning at the cor. of Tss. 39 and 40 S., Rs. 6 and 7 W., marked by an iron post, 3 ins. in diam., firmly set in the ground and conforming to the official record.

DEPARTMENT RESURVEY OF THE EAST BOUNDARY OF T. 59 S., R. 7 W.

Chains

Thence,

N. 0°55' E., bet. secs. 31 and 36.

Over mountainous land through scattered timber and medium dense undergrowth; ascend along a SW. slope.

3.15 Ridge, bears E. and W.; descend along a NW. slope.

13.65 Fence, bears NE. and SW.

20.00 Enter cultivated land, edge bears E. and W.

37.00 Leave cultivated land, edge bears E. and W.; continue through weeds and grass.

39.93 The $\frac{1}{4}$ sec. cor. of secs. 31 and 36, which is marked by a lava stone, 18 x 15 x 10 ins., firmly set in the ground at the intersection of fence from the S. with fence bearing E. and W., marked $\frac{1}{4}$ on W. face.

At the cor. point.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, with brass cap marked

S36	S31
-----	-----

1948

Bury the cor. monument alongside the iron post.

Thence

N. 0°24' E., beginning new measurement.

0.38 Power line, bears N. 53°30' E. and S. 53°30' W.

2.75 Draw, drains NW. from the E.

5.60 South rim of Long Canyon, bears NE. and SW.

31.50 Long Canyon Creek, a fork of the Virgin River, 10 lks. wide, and 2 ins. deep, flows SW.; continue along a SW. slope.

70.00 Point for the cor. of secs. 25, 30, 31, and 36, at proportionate distance. There is no remaining evidence of the original corner.

Set an iron post, 3 ft. long, 2 ins. in diam., 36 ins. in the ground, with brass cap marked

T39S	
R7W	R6W
S25	S30
S30	S31

1943

Deposit broken glass at the base of the post.

Land, mountainous; scattered patches of cultivated land. Soil, rocky mountain loam.

Timber, juniper and pinon.

Undergrowth, sagebrush, weeds, and grass.

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T. 39 S., R. 7 W.

Chains

N. 0°24' E., bet. secs. 25 and 30.

In cultivated land.

6.40 Fence and telephone line, bears N. 59° E. and S. 59° W.; leave cultivated land.

7.40 U.S. Highway No. 69, oiled surface, bears N. 59° E. and S. 59° W.; ascend along a SW. slope.

8.50 Point of spur from the NW.; descend along a NE. slope.

10.00 Wash, drains S. 10° E.
31.20 Spur, projects SE. about 2 chs. to end.

34.65 Draw, drains S. 10° E.
38.80 Draw, drains S. 10° W.

39.59 Point for the 4 sec. cor. of secs. 25 and 30 at proportionate distance; there is no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

S25 | S30

1049

from which

A juniper, 4 ins. in diam., bears N. 66°00' E., 32 lks. dist., marked B. T.

A juniper, 3 ins. in diam., bears N. 41°15' E., 34 lks. dist., marked S30 BT.

Ascend 450 ft. along a SE. slope.

50.00 Spur, projects S. 70° E.; descend 115 ft. along a NE. slope.

57.00 Draw, drains SE.; ascend 125 ft. along a broken SW. slope.

77.00 Spur, projects S. 65° E.; descend along a NE. slope.

79.16 The cor. of secs. 19, 24, 25, and 30, marked by a limestone, 19 x 12 x 5 ins., firmly set in the ground, and marked 4 notches on N. edge and 2 notches on S. edge.

from which

A pine, 18 ins. in diam., bears N. 65°45' E., 86 lks. dist., marked T39S R6W S19 PT.

A pine, 24 ins. in diam.; bears S. 43°00' E., 95 lks. dist.; marked T39S R6W S30 BT.

A pine, 16 ins. in diam., bears S. 59°15' W., 35 lks. dist.; marked T39S R7W S25 PT.

A pine, 30 ins. in diam., bears N. 70°15' W., 32 lks. dist., marked T39S R7W S24 PT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 16 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T. 39 S., R. 7 W.

Chains

T39S	
R7W	R6W
S24	S19
S25	S30

1949

Bury the original cor. monument alongside the iron post.

Land, rough and mountainous.
 Soil, rocky mountain loam.
 Timber, pinon, juniper, and pine.
 Undergrowth, sagebrush, weeds, and grass.

N. 1°09' W., bet. secs. 19 and 24.

Over mountainous land, through scattered timber and medium dense undergrowth, ascend along a SE. slope.

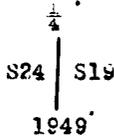
6.50 Spur, projects S. 10° E. about 15 chs. to end; descend along a NE. slope.

19.10 Draw, drains SE.; ascend along a SW. slope.

34.30 Spur, projects S. 60° E.; descend along a NE. slope.

39.575 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24 at proportionate distance; there is no remaining evidence of the original corner.

Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with brass cap marked.



from which

A pine, 8 ins. in diam., bears N. 45°00' E., 7 lks. dist., marked $\frac{1}{4}$ S19 BT.

A pine, 9 ins. in diam., bears S. 30°00' W., 58 lks. dist., marked $\frac{1}{4}$ S24 BT.

40.20 Small draw, drains E.; continue along an E. slope.

44.25 Draw, drains SE.; ascend along a SW. slope.

50.45 Ridge, bears S. 70° E. and N. 70° W.; descend along a NE. slope.

62.10 Draw, drains NE.; ascend along a SE. slope.

79.15 The cor. of secs. 13, 18, 19, and 24, marked by a limestone, 16 x 12 x 6 ins., firmly set in the ground, marked 3 notches on N. and S. edges, and from which:

A pine, 20 ins. in diam., bears N. 53°15' E., 92 lks. dist., marked T39S R6W S13 BT.

A pine, 16 ins. in diam., bears S. 11°30' E., 76 lks. dist., marked T39S R6W S19 BT.

A pine, 24 ins. in diam., bears N. 11°45' W., 67 lks. dist., marked T39S R7W S13 BT.

At the cor. point:

RECONSTRUCTION SURVEY OF THE EAST BOUNDARY OF T. 39 S., R. 7 W.

Set an iron post, 5 ft. long, 2 ins. in diam., 24 ins. in the ground, to solid rock and in a mound of stone, with brass cap marked

T39S.
R7W | R6W
S13 | S18
S24 | S19

1949

Bury the original cor. stone alongside the iron post.

Land, rough and broken mountains.

Soil, rocky mountain loam.

Timber, juniper, pinon, and pine.

Undergrowth, sagebrush, service berry brush, weeds, and grass.

N. 1°46' W., bet. secs. 13 and 16.

Over mountainous land, through medium dense timber and scattered undergrowth; ascend along a SE. slope.

0.80 Spur, projects E.; descend along a NE. slope.

5.70 Draw, drains E.; ascend over gentle S. slope.

26.00 A 30 inch pine tree on line, marked with two hacks on its N. and S. sides. This tree stands on a ridge bearing NE. and S. 30° W.

Thence:

N. 0°05' E., with continuous measurement.

38.50 Small draw, drains W.; ascend along a SW. slope.

39.74 The $\frac{1}{4}$ sec. cor. of secs. 13 and 16, marked by a sandstone, 18 x 8 x 6 ins., firmly set in the ground and marked $\frac{1}{4}$ on the W. face, and from which

A pine, 30 ins. in diam., bears S. 61°30' E., 58 $\frac{1}{2}$ lks. dist., marked $\frac{1}{4}$ S BT.

A balsam, 14 ins. in diam., bears S. 37°15' W., 98 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

S13 | S18

1949

Bury the original stone alongside the iron post.

Thence:

N. 2°15' E., beginning new measurement.

2.50 Spur, projects N. 20° W.; descend along a NE. slope.

39.84 Draw, drains N. 80° W., ascend over a S. slope.

40.14 The cor. of secs. 7, 12, 13, and 18, marked by a weathered sandstone,

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T. 39 S., R. 7 W.

Chains

14 x 6 x 6 ins., firmly set in the ground, no marks visible, end from which:

A juniper, 8 ins. in diam., bears S. 85°45' W., 18 lks. dist., marked T39S R7W S13 BT.

A juniper, 14 ins. in diam., bears N. 33°00' W., 132 lks. dist., marked T39S R7W S12 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with brass cap marked

T39S	
R7W	R6W.
S12	S7
S13	S13

1949

Bury the original stone alongside the iron post.

Land, rough mountain slopes.

Soil, rocky mountain loam.

Timber, pinon, juniper, and pine.

Undergrowth, sagebrush, service berry brush, weeds, and grass.

N. 1°42' W., bet. secs. 7 and 12.

Over mountainous land, through medium dense timber and scant undergrowth; ascend along a SW. slope.

7.70 Rocky spur, projects W.; descend along a NW. slope.

27.90 The Virgin River; small stream of good water, flows SW.; ascend along a SW. slope.

36.80 Road, bears NE. and SW.

39.94 The $\frac{1}{4}$ sec. cor. of secs. 7 and 12, the position of which is determined by record course and distance from its SW. bearing tree

A pine, 30 ins. in diam., bears S. 83°00' W., 20 lks. dist., marked $\frac{1}{4}$ S BT.

No trace of the cor. monument or other bearing tree could be found.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground, to solid rock and in a large mound of stone, with brass cap marked

S12	S7
-----	----

1949

from which

A pine, 36 ins. in diam., bears S. 45°00' E., 6 lks. dist., marked $\frac{1}{4}$ S7 BT.

Thence:

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T. 59 S., R. 7 W.

Chains									
	N. 0°14' W., beginning new measurement.								
32.80	Spur, projects N. 60° E.; descend 60 ft. along a NW. slope.								
35.00	Small draw, drains E.; ascend 50 ft. along a SE. slope.								
38.20	Low spur, projects E.; descend along a NE. slope.								
40.21	The cor. of secs. 1, 6, 7, and 12, the position of which is determined by record course and distance from the NE. bearing tree. No trace of the other bearing trees or corner monument could be found. A pine, 18 ins. in diam., bears N. 85°00' E., 172 lks. dist., marked T39S R6W S6 ET. At the cor. point: Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground with brass cap marked <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">T39S</th> </tr> <tr> <th>R7W</th> <th>R6W</th> </tr> </thead> <tbody> <tr> <td>S1</td> <td>S6</td> </tr> <tr> <td>S12</td> <td>S7</td> </tr> </tbody> </table> <div style="text-align: center;">1949</div> <div style="text-align: right;">from which</div> A pine, 12 ins. in diam., bears N. 70°00' W., 73 lks. dist., marked T39S R7W S1 ET. A Douglas fir, 4 ins. in diam., bears N. 26°00' E., 76 lks. dist., marked ET. A pine, 8 ins. in diam., bears S. 65°15' W., 73 lks. dist., marked T39S R7W S12 ET. Land, rough and mountainous. Soil, rocky mountain loam. Timber, juniper, pinon, pine, and Douglas fir. Undergrowth, sagebrush, service berry brush, weeds, and grass.	T39S		R7W	R6W	S1	S6	S12	S7
T39S									
R7W	R6W								
S1	S6								
S12	S7								
	N. 1°43' W., bet. secs. 1 and 6.								
	Over mountainous land, through medium dense timber and scant undergrowth; descend 245 ft. along a NE. slope.								
8.20	Small draw, drains NE.; ascend 35 ft. along a SE. slope.								
9.50	Low spur, projects E., about 3 chs. to end; descend 65 ft. along a NE. slope.								
14.80	Main draw, drains SE.; ascend 300 ft. along a SW. slope.								
27.50	Point of spur from the E.; descend 40 ft. along a NW. slope.								
31.05	Draw, drains SW.; ascend along a SE. slope.								
39.63	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6 at proportionate distance. No trace of the original cor. monument could be found and the bearing trees found differed from their record positions to such a degree that they could not be used to locate the cor. Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock and in a mound of stone, with brass cap marked								

37

DEPENDENT RESURVEY OF THE EAST BOUNDARY OF T. 39 S., R. 7 W.

Chains

\$1 | 86

1949.

from which the original bearing trees

A pine, 20 ins. in diam., bears S. 62°45' E., 184 lks. dist., marked $\frac{1}{4}$ S PT.

A dead pine, 18 ins. in diam., bears S. 51°00' E., 162 lks. dist., marked $\frac{1}{4}$ S PT.

A juniper, 12 ins. in diam., bears S. 70°53' E., 420 lks. dist. This tree is blazed but not marked.

I blaze and mark a new bearing tree as follows:

A pine, 8 ins. in diam., bears S. 64°30' W., 64 lks. dist., marked PT.

Continue ascent along a SE. slope.

44.10 Spur, projects SW.; continue along a W. slope.

47.75 Ridge, bears N. 20° W. and S. 20° E.; descend 70 ft. along a NE. slope.

51.00 Draw drains E., and heads about 3 chs. W.; ascend 125 ft. along a SE. slope.

62.00 Spur, projects E.; descend 75 ft. along a NE. slope.

66.00 Head of draw draining NE.; ascend 30 ft. along a SE. slope.

68.70 Small spur, projects E. about 5 chs. to end; descend 20 ft. along a NE. slope.

70.60 Head of draw draining S. 60° E.; ascend 75 ft. along a S. slope.

75.00 Spur, projects E.; descend along a NW. slope.

79.26 The cor. of Ts. 38 and 39 S., Rs. 6 and 7 W., marked by an iron post, 3 ins. in diam., conforming to the official record.

Land, rough mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, pine, and fir.

Undergrowth, sagebrush, service berry brush, snow brush, weeds, and grass.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF T. 39 S., R. 7 W.

Reestablishment of surveys executed by A.C. Stewart Jr., in 1883 and resurveyed by R.E.L. Collier, in 1895.

Beginning at the cor. of Ts. 39 and 40 S., Rs. 6 and 7 W.

Thence:

S. 89°33' W., bet. secs. 1 and 36.

Over mountainous land through scattering timber and a medium dense undergrowth; descend along a SW. slope.

9.70 Draw, drains S.; continue along a S. slope.

25.80 Rim of valley, bears S. and NE.; descend over a W. slope.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF T. 39 S., R. 7 W.

Chains

30.50

Wash, drains NW; ascend along a NE. slope.

39.99

The $\frac{1}{4}$ sec. cor. of secs. 1 and 36, marked by a sandstone, 12 x 8 x 4 ins., firmly set in the ground and marked $\frac{1}{4}$ on N. face.

At the above point:

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, with brass cap marked

S36

S1

1948

Bury the original cor. monument alongside the iron post.

Thence:

N. 89°51' W., beginning new measurement.

6.50

Spur, projects N. 20° W.; descend along a NW. slope.

11.35

Power line, bears N. 53°30' E. and S. 53°30' W.

30.30

Rim of Virgin River Valley, bears N. and S.; descend along a NW. slope.

39.20

Point for the cor. of secs. 1, 2, 35, and 36, at proportionate distance; thence is no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 2 in. in diam., 28 ins. in the ground, with brass cap marked

T39S R7W

S35 S36

S2 S1

T40S

1949

from which

A juniper, 5 ins. in diam., bears N. 54°30' E., 49 lks. dist., marked T39S R7W S36 BT.

A juniper, 4 ins. in diam., bears S. 36°15' W., 9 lks. dist., marked BT.

Land, rough mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, piñon, and pine.

Undergrowth, sagebrush, service berry brush, weeds, and grass.

N. 89°51' W., bet. secs. 2 and 36.

Over mountainous land, through scattered timber and a scant undergrowth; descend along a W. slope.

1.35

The Virgin River, a small stream of water flowing S.; ascend a NE. slope.

3.55

Telephone line, bears N. and S.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF T. 39 S., R. 7 W.

Chain
4.30 U.S. Highway No. 89, oiled surface, bears N. and S.; ascend steep E. slope.

37.20 Spur, projects SE.; descend along SW. slope.

39.20 The $\frac{1}{4}$ sec. cor. of sec. 35, marked by a sandstone, 16 x 14 x 6 ins., firmly set in the ground, and marked $\frac{1}{4}$ on N. face, from which

A pinon, 24 ins. in diam., bears N. 31°00' W., 16 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

$\frac{1}{4}$ S35

1949

from which

A juniper, 6 ins. in diam., bears N. 19°15' E., 54 lks. dist., marked $\frac{1}{4}$ S35 BT.

Thence:

N. 89°29' W., beginning new measurement.

Descend along a steep SW. slope.

30.25 Unimproved road, bears NW. and SE., at the base of steep descent; thence across bottom land.

33.55 Small stream of water in bottom of Grass Canyon, flows SE.

34.25 Leave bottom lands and begin ascent over steep NE. slope.

38.03 The cor. of secs. 34 and 35, marked by a sandstone, 24 x 8 x 6 ins., firmly set in the ground and marked 2 notches on E. edge and 4 notches on W. edge, and from which

A pine, 36 ins. in diam., bears S. 87°00' E., 60 lks. dist., marked T40S R7W S2 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, with brass cap marked

T39S R7W
S34 S35

S2
T40S

1949

Bury the original stone alongside the iron post.

Land, rough mountain slopes.
Soil, rocky mountain loam.
Timber, juniper, pinon, and pine.
Undergrowth, sagebrush, service-berry brush, weeds, and grass.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF T. 39 S., R. 7 W.

Chains

N. 89°34' W., along the S. bdy. of sec. 34.

Over mountainous land, through medium dense timber and scant undergrowth; ascend steep NE. slope.

1.27 The closing cor. of secs. 2 and 3, T. 40 S., R. 7 W., marked by a sandstone, 8 x 8 x 6 ins., above ground, firmly set, marked and witnessed as described in the official record.

28.00 Spur, projects NE.; descend 125 ft. along a NW. slope.

35.00 Draw, drains NE.; ascend along a SE. slope.

39.67 Point for the 1/4 sec. cor. of sec. 34, at proportionate distance. There being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground, with brass cap marked

1/4 S34

1949

Deposit a limestone rock, 4 x 4 x 4 ins., at the base of the post, marked with a cross (X).

42.40 Spur, projects NE.; descend 100 ft. along a NW. slope.

49.30 Draw, drains N., and heads about 3 chs. to the S.; ascend along a NE. slope.

53.60 Ridge, bears NW. and SE.; descend along a SW. slope.

63.10 Spur, projects S.; descend along a SW. slope.

79.34 The cor. of secs. 33 and 34, marked by a sandstone, 21 x 16 x 10 ins., firmly set in the ground, marked 3 notches on E. and W. edges, and from which:

A pinen, 10 ins. in diam., bears N. 28°30' E., 40 lks. dist., marked T39S R7W S34 BT.

A pinen, 14 ins. in diam., bears S. 33°00' W., 48 lks. dist., marked T40S R7W S3 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

T39S R7W
S33 S34

S3
T40S

1949

Bury the original stone alongside the iron post.

Land, rough mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, and pine.

Undergrowth, sagebrush, service-berry brush, weeds, and grass.

DEPENDENT RESURVEY OF THE SOUTH BOUNDARY OF T. 33 S., R. 7 W.

Chains

S. 89°40' W., along the S. bdy. of sec. 33.

Over mountainous land, through medium dense timber and undergrowth.

3.10

Point for the closing cor. of secs. 3 and 4 at record distance falls in bottom of draw draining SE. Record distance was used because of the difference bet. the record distance of the S. bdy. of sec. 33 according to the 1895 resurvey, and that found in the field, and the fact that the other closing distances reported in the 1895 survey agree with the actual distances.

At a point 43 lks. S. of the true point, which is the point for the witness closing cor. of secs. 3 and 4.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground and in a mound of stone, with brass cap marked

T59S R7W
S33

94 | S3
T40S
WCC

1949

from which

A juniper, 6 ins. in diam., bears S. 46°45' E., 75 lks. dist., marked X WC BT.

A pinon, 12 ins. in diam., bears S. 64°30' W., 14 lks. dist., marked X WC BT.

Ascend 315 ft. along a rocky SE. slope.

15.90

Spur, projects S. 20° W.; descend 670 ft. along a NW. slope.

32.20

Draw, drains S.; continue along a S. slope.

37.095

Point for the $\frac{1}{4}$ sec. cor. of sec. 33 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

$\frac{1}{4}$ S33

1949

Deposit a limestone, 3 x 3 x 3 ins., at the base of the post.

Ascend 65 ft. along a SE. slope.

55.50

Spur, projects S. 20° E.; descend over a W. slope.

74.19

The cor. of secs. 32 and 33 marked by an iron post, 2 ins. in diam., conforming to the record.

Land, rough mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, pine, and fir.

Undergrowth, sagebrush, service-berry brush, weeds, and grass.

DEPENDENT RESURVEY OF THE WEST BOUNDARY OF T. 39 S., R. 7 W.

Chains

Reestablishment of surveys executed, by A.J. Stewart, Jr., in 1883 and retraced by Alfred B. Lewis, in 1897.

Beginning at the cor. of Ts. 39 S., Rs. 7 and 8 W., which is marked by an iron post, 3 ins. in diam., conforming to the record.

Thence:

N. 0°15' E., bet. secs. 31 and 36.

Over mountainous land, through medium dense timber, and undergrowth; ascend along a SE. slope.

5.80 Spur, projects E.; descend along a NE. slope.

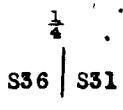
13.70 Small draw, drains SE.; ascend along a SW. slope.

23.30 Spur, projects S. 70° E.; descend along a NE. slope.

37.80 Draw, drains E.; ascend along a SE. slope.

39.76 Point for the 1/4 sec. cor. of secs. 31 and 36, at proportionate distance; there being no evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to solid rock and in a mound of stone, with brass cap marked



1949

Deposit a limestone rock, 4 x 3 x 2 ins., marked with a cross (X), at the base of the post.

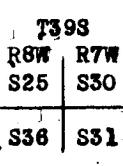
47.00 Spur, projects S. 70° E.; descend 290 ft. along a NE. slope.

61.70 Draw, drains S. 60° E. and heads about 20 chs. N. 60° W.; ascend 305 ft. along a SE. slope.

75.20 Spur, projects E.; descend 135 ft. along a broken NE. slope.

79.52 Point for the cor. of secs. 25, 30, 31, and 36, at proportionate distance; there being no trace of the original cor.

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



1949

from which

A Douglas fir, 4 ins. in diam., marked BT., bears S. 65°00' E., 53 lks. dist.

A Douglas fir, 10 ins. in diam., bears N. 60°00' E., 30 lks. dist., marked T39S R6W S25 BT.

Land, rough and broken mountain slopes. Soil, rocky mountain loam. Timber, juniper, pinoon, pine, and Douglas fir. Undergrowth, sagebrush, service-berry brush, weeds, and grass.

DEPENDENT RESURVEY OF THE WEST BOUNDARY OF T. 39 S., R. 7 W.

Chains

N. 0°15' E., bet. secs. 25 and 30.

Over mountainous land, through medium dense timber and undergrowth; descend 295 ft. over a NE. slope.

16.50

Draw with small stream of water in bottom, drains SE.; ascend 195 ft. along a SW. slope.

27.20

Spur, projects SE.; descend along a NE. slope.

39.76

Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

S25	S30
-----	-----

1949

from which

A pinon, 8 ins. in diam., bears N. 63°15' E., 55 lks. dist., marked $\frac{1}{4}$ S30 BT.

A pinon, 5 ins. in diam., bears N. 66°30' W., 104 lks. dist., marked $\frac{1}{4}$ S25 BT.

51.00

Draw, drains SE.

66.70

Spur, projects N. 70° E.

79.52

Point for the cor. of secs. 19, 24, 25, and 30, at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 2 ins. in diam., 30 ins. in the ground, with brass cap marked

T39S

R8W	R7W
S24	S19

S25	S30
-----	-----

1949

from which

A red juniper, 6 ins. in diam., bears S. 79°30' W., 25 lks. dist., marked T39S R8W S25 BT.

Land, rough mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, Douglas fir, and pine.

Undergrowth, sagebrush, service-berry brush, weeds and grass.

N. 0°15' E., bet. secs. 19 and 24.

Over mountainous land, through medium dense timber and undergrowth.

17.00

Draw with small stream of water in bottom, drains SE.; ascend 195 ft. along a SW. slope.

39.76

Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24, at proportionate distance; there being no evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, with brass cap marked

DEPENDENT RESURVEY OF THE WEST BOUNDARY OF T. 39 S., R. 7 W.

Chains

S24 | S19

1949

- 41.00 Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of the post.
- 41.00 Ridge, bears NW and SE; descend along a NE. slope.
- 52.50 Draw, drains SE; ascend along a SW. slope.
- 76.10 Spur, projects S. 20° E.; descend along a NE. slope.
- 79.52 The cor. of secs. 13, 18, 19, and 24, marked by a limestone, 13 x 7 x 4 ins., firmly set in the ground, marked 3 grooves on N. and S. faces, from which:

A pine, 19 ins. in diam., bears S. 57°30' E., 30 lks. dist., marked T39S R7W S19 BT.

An aspen, 6 ins. in diam., bears S. 77°45' E., 17 1/2 lks. dist., marked T39S R7W S19 BT.

A pine, 36 ins. in diam., bears S. 79°30' W., 14 lks. dist., marked T39S R8W S24 BT.

At the cor. point:

Set an iron post, 30 ft. long, 2 ins. in diam., 28 ins. in the ground, with brass cap marked

T39S	
R8W	R7W
S15	S18
S24	S19

1949

from which

A balsam, 4 ins. in diam., bears N. 32°15' E., 36 lks. dist., marked BT.

A balsam, 4 ins. in diam., bears S. 20°30' W., 64 lks. dist., marked BT.

Bury the original stone alongside the iron post.

Land, rough mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pines, fir, and pine.

Undergrowth, sagebrush, service-berry brush, weeds, and grass.

Note: The 1949 resurvey terminates at this cor.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Reestablishment of surveys executed by Shadrach M. Richardson, in 1885.

Beginning at the cor. of secs. 35 and 36, on the S. bdy. of the township:

Thence,

N. 1°37' W., bet. secs. 35 and 36.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S. R. 7 W.

Chains

Over bottom lands of canyon, through scattered timber and scant undergrowth; descend along a NW. slope.

6.00

The Virgin River, stream, 15 lks. wide, 2 ins. deep, flows S. 20° W.; ascend along a SE. slope.

24.00

U.S. Highway No. 89, oiled surface, bears N. 20° E. and S. 30° W.

34.50

Spur, slopes E.; descend along a NE. slope.

40.92

The 1/4 sec. cor. of secs. 35 and 36, marked by a sandstone, 24 x 18 x 8 ins., firmly set in the ground and mound of stone, and marked 1/4 on W. face, from which

Alpine, 18 ins. in diam., bears N. 21° 54' W., 110 lks. dist., marked 1/4 S. B.T.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground and in a mound of stone, with brass cap marked

S35 | S36
1949

Bury the original stone alongside the iron post.

Thence,

N. 4° 08' E., beginning new measurement.

4.90

Small draw, drains E.

19.00

The Virgin River, small stream in bottom of canyon, flows S. 20° E.; ascend along a SW. slope.

39.90

Point for the cor. of secs. 25, 26, 35, and 36, at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, with brass cap marked

T39S R7W

S26 | S25

S35 | S36

1949

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

Land, rough mountain slopes.

Soil, gravelly to rocky mountain loam.

Timber, juniper, oak, pinon, and pine.

Undergrowth, sagebrush, service-berry brush, weeds, and grass.

Beginning at the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township:

Thence,

N. 88° 50' W., bet. secs. 25 and 36.

Over bottom land of Long Canyon.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

- Chains
- 5.10 Fence, bears NE. and SW.
 - 5.20 Telephone line, bears NE. and SW.
 - 5.90 U.S. Highway No. 89, oiled surface, bears NE. and SW.; ascend 570 ft. over steep SE. slope.
 - 18.00 Spur, projects S., ; descend along a SW. slope.
 - 27.00 Draw, heads about 5 chs. N. and drains S.; ascend along SE. slope.
 - 36.25 Spur, projects S.; descend along SW. slope.
 - 39.24 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36 at proportionate distance; there being no remaining evidence of the original cor.
Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked
S25
S36
 - 1949
 - Deposit a sandstone, 4 x 3 x 3 ins., marked with a cross (X), at the base of the post.
 - 45.10 Draw, drains S.; ascend along a SE. slope.
 - 50.50 Spur, projects SW.; descend 605 ft. along a broken SW. slope.
 - 74.50 Road, bears N. and S.; thence across bottom of canyon drains S.
 - 78.48 The cor. of secs. 25, 26, 35, and 36.
Land, rough mountain slopes.
Soil, rocky mountain loam.
Timber, juniper, pinon, oak, and pine.
Undergrowth, sagebrush, service-berry brush, weeds, and grass.

 - N. 0°55' W., bet. secs. 25 and 26.
Over mountainous land, through medium dense timber and undergrowth; along the broken slope at the E. side of the Virgin River Valley.
 - 8.50 Road, bears NW. and SE.
 - 39.81 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 26, at proportionate distance; there being no remaining evidence of the original cor.
Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground and in a mound of stone, with brass cap marked
S26 | S25
 - 1949
 - Deposit a sandstone, 4 x 4 x 4 ins., marked with a cross (X), at the base of the post.
 - 58.50 Draw, drains SW.
 - 79.62 The cor. of secs. 23, 24, 25, and 26, marked by a sandstone, 30 x 28 x 8 ins., set in a mound of stone, marked with 2 grooves on S. face and 1 notch on the E. edge, from which

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

A pinon, 10 ins. in diam., bears S. 24°45' E., 45 lks. dist., marked T39S R7W S25 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, with brass cap marked

T39S	R7W
S23	S24
S26	S25

1949

Bury the original stone alongside the iron post.

Land, rough slopes bordering the Virgin River Valley.

Soil, gravelly and rocky mountain loam.

Timber, juniper, pine, oak, and pinon.

Undergrowth, sage, buck, and service-berry brush, weeds, and grass.

Beginning at the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the township.

Thence,

N. 88°18' W., bet. secs. 24 and 25.

Over mountainous land, through medium dense timber and undergrowth; ascend along a NE. slope.

3.00 Low spur, projects SE.; descend along a rocky SW. slope over ledges.

9.00 Rocky draw, drains S.; ascend along a SE. slope over ledges.

14.30 Spur, projects SW.; descend along a NW. slope.

39.60 Draw, drains N.; ascend along a NE. slope.

39.71 The $\frac{1}{4}$ sec. cor. of secs. 24 and 25, marked by a sandstone, 14 x 12 x 10 ins., firmly set in the ground and marked $\frac{1}{4}$ on N. face, from which

A pine, 36 ins. in diam., bears N. 40°30' E., 21 lks. dist., marked $\frac{1}{4}$ S BT.

A Douglas fir, 36 ins. in diam., bears S. 45°15' E., 35 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

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

1949

Bury the original stone alongside the iron post.

Thence,

N. 88°48' W., beginning new measurement

DEPARTMENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains
 2.50 Draw, drains S. 70° W.; ascend along a SE slope.
 22.65 Spur, projects SW; West end broken W. slope.
 40.38 The cor. of secs. 23, 24, 25, and 26.
 Land, rough mountain slopes.
 Soil, rocky mountain loam.
 Timber, juniper, pinon, and fir.
 Undergrowth, sage, buck, and service-berry brush, weeds, and grass.

N. 3° 02' W., bet. secs. 23 and 24.

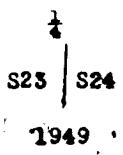
Over mountainous land, through medium dense timber and undergrowth; along a NW slope.

16.00 Enter the Virgin River Valley, edge bears N. 20° E. and S. 20° W.

38.00 Road, bears NE. and SW.

40.35 Point for the $\frac{1}{4}$ sec. cor. of secs. 23 and 24 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked



from which

A cottonwood, 10 ins. in diam., bears N. 52° 30' E., 8 lks. dist., marked $\frac{1}{4}$ S24 BT.

A cottonwood, 12 ins. in diam., bears N. 78° 15' W., 12 lks. dist., marked $\frac{1}{4}$ S23 BT.

43.00 The Virgin River, a small stream of water in bottom of canyon, drains S. 20° W.; ascend along a broken SE slope.

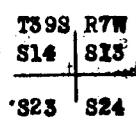
80.58 The cor. of secs. 13, 14, 23, and 24, marked by a sandstone, 22 x 12 x 9 ins., firmly set in the ground, marked 3 notches on S. edge and 1 notch on E. edge, and from which

A juniper, 16 ins. in diam., bears N. 12° 00' E., 19 lks. dist., marked T39S R7W S15 BT.

A pinon, 12 ins. in diam., bears S. 79° 15' E., 22 lks. dist., marked T39S R7W S24 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with brass cap marked



Deposit the original stone alongside the iron post.

Land, rough mountain slopes.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

Soil, gravelly to rocky mountain loam.
 Timber, juniper, pinon, Douglas fir, and pine.
 Undergrowth, sage and serviceberry brush, weeds, and grass.

Beginning at the cor. of secs. 34 and 35, on the S. bdy. of the township.

Thence,

N. 1°17' W., bet. secs. 34 and 35.

Over mountainous land, through medium dense timber and undergrowth; descend 105 ft. along a NE. slope.

4.90 Small stream of water in bottom of Grass Canyon, flows SE.

8.00 Unimproved road, bears NW. and SE.; ascend 605 ft. along a steep SW. slope.

29.40 Draw, drains SW.

41.51 The $\frac{1}{4}$ sec. cor. of secs. 34 and 35, marked by a sandstone, 16 x 10 x 10 ins., firmly set in the ground and marked $\frac{1}{4}$ on the W. face, and from which

A juniper, 10 ins. in diam., bears S. 13°00' E., 30 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with brass cap marked

$\frac{1}{4}$
 S34 | S35

1949

from which

A pinon, 5 ins. in diam., bears S. 57°30' W., 37 lks. dist., marked $\frac{1}{4}$ S34 BT.

Bury the original stone alongside the iron post.

Thence,

N. 0°46' E., beginning new measurement.

7.60 Ridge, bears SE. and NW.; descend 165 ft. along a NE. slope.

21.70 Draw, drains S. 60° E., and heads about 10 chs. to the NW.; ascend 135 ft. along a SW. slope.

34.40 Ridge, bears E. and W.; descend 105 ft. along a NW. slope.

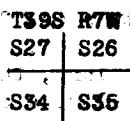
41.17 The cor. of secs. 26, 27, 34, and 35, marked by a sandstone, 16 x 6 x 4 ins., firmly set in the ground, and marked with 1 notch on S. edge and 2 notches on E. edge.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with brass cap marked

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains



1949

from which

A pinon, 14 ins. in diam., bears S. 6°45' E., 139 lks. dist., marked T39S R7W S25 BT.

Bury the original stone alongside the iron post.

Land, rough and broken mountain slopes.
 Soil, rocky mountain loam.
 Timber, pinon, juniper, Douglas fir, and pine.
 Undergrowth, sage and service-berry brush, weeds, and grass.

Beginning at the cor. of secs. 25, 26, 35, and 36.

Thence,

N. 88°28' W., bet. secs. 26 and 35.

Over mountainous land, through medium dense timber and undergrowth.

1.90 The Virgin River, a small stream in bottom of canyon, flows S.

8.80 Road, bears N. 70° W. and S. 70° E.

16.80 Current Creek, small stream of good water; Flows SE.; ascend 265 ft. along a SE. slope.

39.68 Point for the 1/4 sec. cor. of secs. 26 and 35, at proportionate distance; there being no trace of the original 1/4 sec. cor. found.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

S26

S35

1949

from which

A juniper, 18 ins. in diam., bears S. 49°45' E., 38 lks. dist., marked 1/4 S35 BT.

A balsam, 5 ins. in diam., bears N. 49°45' W., 21 lks. dist., marked 1/4 S26 BT.

Ascend 185 ft. along a NE. slope.

54.00 Spur, projects N.; descend along a NW. slope.

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

Land, rough and broken mountain slopes.
 Soil, rocky mountain loam.
 Timber, juniper, pinon, Douglas fir, and pine.
 Undergrowth, sage and service-berry brush, manzanita, weeds, and grass

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

N. 1°00' E., bet. secs. 26 and 27.

Over mountainous land, through medium dense timber and undergrowth; descend 550 ft. along a broken NW. slope.

19.20

Current Creek, small stream of good water in bottom of canyon, flows S. 60° E.

20.70

Unimproved road, bears E. and W.; ascend 625 ft. along a SW. slope.

38.57

The $\frac{1}{4}$ sec. cor. of secs. 26 and 27, marked by a sandstone, 15 x 11 x 8 ins., firmly set in the ground, marked $\frac{1}{4}$ on W. face and from which

A juniper, 12 ins. in diam., bears West, 15 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. points:

Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

$\frac{1}{4}$
 S27 | S26
 1949

from which

A pinon, 8 ins. in diam., bears S. 32°15' E., 57 lks. dist., marked $\frac{1}{4}$ S26 BT.

Bury the original cor. stone alongside the iron post.

Thence,

N. 0°15' W., beginning new measurement,

20.40

Ridge, bears NW. and SE. descend 685 ft. along a NE. slope.

39.44

The cor. of secs. 22, 23, 26, and 27, marked by a sandstone, 24 x 10 x 10 ins., firmly set in the ground, marked with 2 notches on S. and E. edges, from which

A pine, 30 ins. in diam., bears S. 45°30' E., 46 lks. dist., marked T39S R7W S26 BT.

A pine, 36 ins. in diam., bears S. 12°45' W., 65 lks. dist., marked T39S R7W S27 BT.

At the cor. points:

Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

T39S R7W:
 S22 | S23
 S27 | S26
 1949

Bury the original stone alongside the iron post.

Land, rough and broken mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, Douglas fir, and pine.

Undergrowth, sage and service-berry brush, oak, weeds, and grass.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

Beginning at the cor. of secs. 23, 24, 25, and 26.

Thence,

N. 89°56' W., bet. secs. 23 and 26.

Over mountainous land, through medium dense timber and undergrowth; descend 280 ft. along a SW. slope.

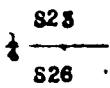
3.40 Road, bears N. and S.

5.60 The Virgin River, small stream of good water in bottom of canyon, flows S.; ascend along a SE. slope.

24.99 Spur, projects SE.

38.76 Point for the 1/4 sec. cor. of secs. 23 and 26 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with brass cap marked



1949

from which

A juniper, 6 ins. in diam., bears S. 45°45' E., 41 lks. dist., marked 1/4 S26 BT.

40.30 Old road, bears NW. and SE.

42.30 Shingle Creek, small stream of good water, flows SE.; ascend along a NE. slope.

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

Land, rough and broken mountain slopes.
Soil, rocky mountain loam.
Timber, juniper, pines, Douglas fir, and pine.
Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 33 and 34, on the S. bdy. of the township.

Thence,

N. 0°55' E., bet. secs. 33 and 34.

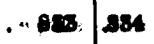
Over mountainous land, through medium dense timber and undergrowth; ascend 370 ft. along a SW. slope.

10.90 Ridge, bears N. 75° W. and S. 75° E.; descend along a NE. slope.

35.60 Small draw, drains NE.; ascend along a SW. slope.

39.22 Point for the 1/4 sec. cor. of secs. 33 and 34, at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked



1949

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

Deposit a sandstone, 4 x 3 x 3 ins., marked with a cross (X), at the base of the post.

40.00 Low spur, projects N. 60° E.; descend along a N. slope.

45.00 Small stream of water in bottom of Grass Canyon, flows S. 60° E.; ascend 570 ft. along a SE. slope.

70.90 Spur, projects SE.; descend along a NE. slope.

78.44 Point for the cor. of secs. 27, 28, 33, and 34, at proportionate distance; there being no trace of the original cor.

Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked.

T39S R7W

S28 S27

S33 S34

1949

Deposit a sandstone, 4 x 4 x 4 ins., marked with a cross (X), at the base of the post.

Land, rough broken mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, oak, Douglas fir, and pine.

Undergrowth, sage, oak, service-berry, and buck brush, weeds, and grass.

Beginning at the cor. of secs. 26, 27, 34, and 36.

S. 87°28' W., bet. secs. 27 and 34.

Over mountainous land, through medium dense timber and undergrowth; descend 150 ft. along a NW. slope.

6.00 Draw, drains N. 10° E.

19.20 Spur, projects N. 20° E.

28.00 Draw, drains NE.

38.29 Point for the $\frac{1}{2}$ sec. cor. of secs. 27 and 34 at proportionate distance; there being no trace of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 28 ins. in the ground, with brass cap marked

S27

S34

1949

from which

A pine, 4 ins. in diam., bears S. 87°00' E., 86 lbs. dist., marked BY.

A pinon, 4 ins. in diam., bears N. 70°00' W., 16 lbs. dist., marked BY.

The $\frac{1}{2}$ sec. cor. is set on the top of a long spur projecting SE.

Descend along a SE. slope.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains
69.20

Draw, drains SE.; ascend along a NE. slope.

77.78

The cor. of secs. 27, 28, 33, and 34.

Land, rough and broken mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pine, pinon, and Douglas fir.

Undergrowth, sage, oak, buck, and service-berry brush, weeds, and grass.

N. 1°40' W., bet. secs. 27 and 28.

Over mountainous land, through medium dense timber and undergrowth; descend along a NE. slope.

7.70

Draw, drains SE.; ascend along a SW. slope.

15.10

Spur, projects S. 60° E.; descend along a NE. slope.

31.40

Draw, drains N. 60° E.; ascend along a SE. slope.

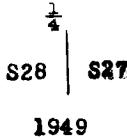
37.50

Draw, drains E.

39.23

Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to solid rock and in a mound of stone, with brass cap marked



from which

A juniper, 8 ins. in diam., bears S. 69°00' E., 52 lks. dist., marked $\frac{1}{4}$ S27 BT.

A pine, 8 ins. in diam., bears N. 34°00' W., 60 lks. dist., marked $\frac{1}{4}$ S28 BT.

Ascend 325 ft. along a SE. slope.

52.00

Spur, projects SE.; descend along a NW. slope.

64.00

Draw, drains SE.; ascend along a SW. slope.

71.60

Spur, projects SE.; descend over a N. slope.

76.00

Current Creek, small stream in bottom of canyon, flows SE.

78.46

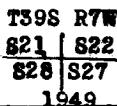
The cor. of secs. 21, 22, 27, and 28, as determined by record course and distance from its original bearing tree

A pine, 44 ins. in diam., bears N. 63°00' E., 30 lks. dist., marked T39S R7W S22 BT.

No trace of the original cor. monument could be found.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, with brass cap marked



DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

from which
 A balsam fir, 4 ins. in diam., bears S. 64°30' E., 42 lks. dist., marked BT.

Land, rough and broken mountainous slopes.
 Soil, rocky mountain loam.
 Timber, juniper, pinon, pine, and Douglas fir.
 Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 22, 23, 26, and 27.

Thence;
 S. 87°52' W., bet. secs. 22 and 27.

Over mountainous land, through medium dense timber and undergrowth; ascend 685 ft. along a steep NE. slope.

34.70 Spur, projects S. 60° E.; descend along a SW. slope.

38.00 Head of draw, drains S. 20° W.; ascend along a SE. slope.

40.27 Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 27, at proportionate distance; there being no trace of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

$$\begin{array}{r} 822 \\ \frac{1}{4} \\ \hline 827 \\ 1949 \end{array}$$

Deposit a sandstone, 4 x 3 x 2 ins., at base of the post, marked with a cross (X).

43.70 Spur, projects S.; descend 75 ft. along a SW. slope.

52.50 Draw, drains S. 10° E.; ascend 105 ft. along a SE. slope.

61.50 Spur, projects S. 20° W.; descend 335 ft. along a NW. slope.

71.90 Draw, drains SW.; ascend along a SE. slope.

77.00 Spur, projects S. about 3 chs. to end; descend along a SW. slope.

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

Land, rough and broken mountain slopes.
 Soil, rocky mountain loam.
 Timber, juniper, pinon, pine, and Douglas fir.
 Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 32 and 33, on the S. bdy. of the township.

Thence;
 N. 2°35' W., bet. secs. 32 and 33.

Over mountainous land, through medium dense timber and undergrowth; ascend a S. slope.

8.00 Low spur, projects S. 60° W.; descend along a NW. slope.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

19.10 Draw, drains S. 20° W.; ascend SE. slope.

38.12 Point for the 1/4 sec. cor. of secs. 32 and 33, at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground and in a mound of stone, with brass cap marked

S32 | S33

1949

from which

A pinon, 1 1/2 ins. in diam., bears S. 40°00' E., 17 lks. dist., marked 1/4 S33 BT.

A pinon, 6 ins. in diam., bears S. 52°00' W., 29 lks. dist., marked 1/4 S32 BT.

54.50 Draw, near head, drains E.; ascend along a SE. slope.

76.24 Point for the cor. of secs. 28, 29, 32, and 33, at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground and in a mound of stone, with brass cap marked

T39S R7W
S29 | S28

S32 | S33

1949

from which

A pinon, 6 ins. in diam., bears S. 84°45' W., 21 lks. dist., marked T39S R7W S32 BT.

A juniper, 6 ins. in diam., bears N. 82°30' E., 51 lks. dist., marked T39S R7W S28 BT.

A pinon, 6 ins. in diam., bears N. 80°30' W., 26 lks. dist., marked T39S R7W S29 BT.

Land, rough and broken mountain slopes.
Soil, rocky mountain loam.
Timber, juniper, pinon, Douglas fir, and pine.
Undergrowth, sage, serviceberry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 27, 28, 33, and 34.

Thence,

S. 87°55' W., bet. secs. 28 and 33.

Over mountainous land, through medium dense timber and undergrowth.

15.30 Spur, projects SE.; descend 405 ft. along a SW. slope.

39.465 Point for the 1/4 sec. cor. of secs. 28 and 33, at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

S28

S33

1949

from which

A Douglas fir, 4 ins. in diam., bears S. 40°15' E., 6 lks. dist., marked $\frac{1}{4}$ S33 BT.

A Douglas fir, 20 ins. in diam., bears N. 34°00' W., 30 lks. dist., marked $\frac{1}{4}$ S28 BT.

40.60 Draw, drains SE.; ascend 625 ft. along a NE. slope.

59.80 Spur, projects SE.; continue along a S. slope.

78.93 The cor. of secs. 28, 29, 32, and 33.

Land, rough broken mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, Douglas fir, and pine.

Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

N. 0°46' W., bet. secs. 28 and 29.

Over mountainous land, through medium dense timber and undergrowth; ascend over a S. slope.

3.10 Spur, projects S. 10° W.; descend along a broken NW. slope.

38.085 Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

S29 | S28

1949

from which

A juniper, 4 ins. in diam., bears East, 18 lks. dist., marked $\frac{1}{4}$ S28 BT.

75.00 Draw, drains S. 30° W.

76.17 Point for the cor. of secs. 20, 21, 28, and 29, at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, and in a mound of stone, with brass cap marked

T39S R7W

S20 | S21

S29 | S28

1949

from which

A pine, 36 ins. in diam., bears S. 49°00' N., 214 lks. dist., marked T39S R7W, S29 BT.

DEPARTMENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

Land, rough and broken mountain slopes.
Soil, rocky mountain loam.
Timber, juniper, pinon, pine, and Douglas fir.
Undergrowth, sage, oak, and service-berry brush, weeds, and grass.

Beginning at the cor. of secs. 21, 22, 27, and 28.

Thence:

S. 86°19' W., bet. secs. 21 and 28.

Over mountainous land, through medium dense timber and undergrowth.

02.30 Current Creek channel, dry, drains S. 10° E.; ascend abrupt SE. slope.

5.60 Low spur, projects SE.; descend along a SW. slope.

10.10 Draw, drains SE.; ascend 625 ft. along a SE. slope.

25.00 Spur, projects S. 60° E.; continue ascent along a SE. slope.

35.948 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 28 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, with brass cap marked

S21
—
S28
1949

from which

A balsam, 5 ins. in diam., bears N. 61°45' E., 44 lks. dist., marked $\frac{1}{4}$ S21 BT.

A pine, 5 ins. in diam., bears S. 15°00' W., 69 lks. dist., marked $\frac{1}{4}$ S28 BT.

64.20 Spur, projects S.; descend along a SW. slope.

76.60 Draw, drains S. 30° W.

77.89 The cor. of secs. 20, 21, 28, and 29.

Land, rough and broken mountain slopes.
Soil, rocky mountain loam.
Timber, juniper, pinon, Douglas fir, and pine.
Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

N. 9°46' W., bet. secs. 20 and 21.

Ascend 320 ft. along a SE. slope, of mountainous land, through medium dense timber and undergrowth.

15.65 Spur, projects S. 30° W.; continue ascent of 850 ft. over a S. slope.

36.80 Rim of mesa; bears N. and W.; thence over rolling top of same.

38.085 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, with brass cap marked

DEPENDENT RESURVEY OF THE SUBDIVISION OF, T. 32 S., R. 7 W.

Chains

S20 | S21

1949

from which

A pine, 14 ins. in diam., bears N. 81°15' E., 39 lks. dist., marked $\frac{1}{4}$ S21 BT.

A balsam, 9 ins. in diam., bears S. 75°45' W., 28 lks. dist., marked $\frac{1}{4}$ S20 BT.

75.17

The cor. of secs. 16, 17, 20, and 21, marked by a limestone, 16 x 13 x 4 ins., firmly set in the ground and marked 4 notches on E. edge and 3 notches on S. edge, and from which:

A pine, 16 ins. in diam., bears N. 66°15' E., 45 lks. dist., marked T39S R7W S16 BT.

A balsam, 16 ins. in diam., bears S. 56°30' W., 24 lks. dist., marked T39S R7W S20 BT.

A balsam, 24 ins. in diam., bears N. 6°45' W., 60 lks. dist., marked T39S R7W S17 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground and in a mound of stone, with brass cap marked

T39S, R7W

S17 | S16

S20 | S21

1949

from which

A balsam, 7 ins. in diam., bears S. 62°00' E., 10 lks. dist., marked X BT.

A balsam, 6 ins. in diam., bears N. 61°30' W., 93 lks. dist., marked X BT.

Bury the original stone alongside the iron post.

Land, rough mountain slopes on S. portion of mile, rolling mountain top of N. portion.

Soil, sandy to rocky mountain loam.

Timber, juniper, Douglas fir, balsam, pine, and pinon.

Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 31 and 32, on the S. bdy. of the township, marked by an iron post, 2 ins. diam., conforming to the official record.

Thence,

N. 1°01' W., bet. secs. 31 and 32.

Over mountainous land, through medium dense timber and undergrowth; ascend along a SW. slope.

3.00 Low spur, projects S. 10° E.; descend along a NE. slope.

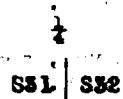
16.00 Draw, drains S. 20° E.; ascend along a SW. slope.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains
37:905

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground and in a mound of stone, with brass cap marked



1949

from which

A juniper, 15 ins. in diam., bears S. 60°00' W., 31 lks. dist., marked $\frac{1}{4}$ S31 BT.

Continue ascent along a SW. slope.

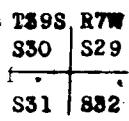
60.95

Spur, projects S. 20° E.; descend along a NE. slope.

75.41

Point for the cor. of secs. 29, 30, 31, and 32 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with brass cap marked



1949

Deposit a sandstone, 4 x 4 x 4 ins., marked with a cross (X), at the base of the post.

Land, rough and broken mountain slopes.

Soil, rocky mountain loam.

Timber, fir, pine, juniper, and pinon.

Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 28, 29, 32, and 33.

Thence,

N. 89°36' W., bet. secs. 29 and 32.

Over mountainous land, through medium dense timber and undergrowth; ascend along a SE. slope.

4.00

Spur, projects S. 20° W.; descend 425 ft. along a W. slope.

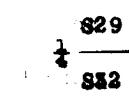
21.40

Draw, drains S. 15° W.; ascend 350 ft. along a steep SE. slope.

39.07

Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32, on top of spur, projects S. 30° W.; there being no remaining evidence of the original $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground and in a mound of stone, with brass cap marked



1949

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

Deposit a limestone, 5 x 4 x 3 ins., marked (X), at the base of the post.

Descend 565 ft. over a broken W. slope,

58.50 Road, bears NW. and SE.

62.10 Fork of Lydia's Canyon, small stream in bottom, flows S. 20° E.; ascend 295 along an E. slope.

78.14 The cor. of secs. 29, 30, 31, and 32.

Land, rough and broken mountain slopes.

Soil, rocky mountain loam.

Timber, fir, pine, juniper, and pinon.

Undergrowth, sage, oak, and service-berry brush, weeds, and grass.

N. 86°50' W., bet. secs. 30 and 31.

Over mountainous land, through medium dense timber and undergrowth; ascend 460 ft. along an E. slope.

23.70 Spur, projects SE.; descend along a SW. slope.

39.20 Point for the $\frac{1}{4}$ sec. cor. of secs. 30 and 31 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, with brass cap marked

S30

$\frac{1}{4}$

S31

1349

from which

A pinon, 10 ins. in diam., bears N. 52°30' W., 147 lks. dist., marked $\frac{1}{4}$ 830 BT.

54.20 Lydia's Canyon, small stream of water in bottom, flows SE.; ascend along a NE. slope.

55.30 Road, bears NW. and SE.

78.70 The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the township.

Land, rough and broken mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, fir, and pine.

Undergrowth, service-berry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 29, 30, 31, and 32.

N. 0°14' W., bet. secs. 29 and 30.

Over rough mountainous land, through medium dense timber and undergrowth; descend 206 ft. along a NE. slope.

13.70 Draw, drains E.; ascend along a SE. slope.

29.30 Spur, projects E., about 10 chs. to end; descend along a NE. slope.

37.40 Draw, drains E.; ascend along a SE. slope.

DEPENDENT RESERVE OF THE SUBDIVISION OF T. 39 S., R. 7 W.

Chains

37.70 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 30 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

S30	S29
-----	-----

1949

Deposit a limestone, 3 x 3 x 3 ins., marked (X), at the base of the post.

44.70 Small spur, projects E.; descend along a broken NE. slope.

74.00 Fork of Lydia's Canyon, small stream of good water in bottom, flows SE.

75.40 The cor. of secs. 19, 20, 29, and 30, marked by a sandstone, 30 x 18 x 15 ins., firmly set in the ground, marked 5 notches on E. edge and 2 notches on S. edge and witnessed by a small mound of stone to the W.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with brass cap marked

T39S	R7W
------	-----

S19	S20
-----	-----

S30	S29
-----	-----

1949

Bury the original stone alongside the post.

From the cor., the NW. cor. of a frame house, bears S. 32°25' E., 11.32 chs. dist.

Land, rough and broken mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, fir, and pine.

Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 20, 21, 28, and 29.

Thence:

West, bet. secs. 20 and 29.

Over mountainous land, through medium dense timber and undergrowth; ascend along a SE. slope.

5.80 Spur, projects S. 30° W.; descend 205 ft. over a W. slope.

24.20 Draw, drains S. 30° W.; ascend 235 ft. along a SE. slope.

38.865 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 29 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

DEPARTMENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

CHAINS

2012

S20

S29

1949

Deposit a limestone, 4 x 4 x 3 ins., marked with a cross (X), at the base of the post.

42.60 Spur, projects SW.; descend 725 ft. along a W. slope.

71.30 Draw, drains S.; ascend 105 ft. over a SE. slope.

76.80 Spur, projects S.; descend 125 ft. along a SW. slope.

77.77 The cor. of secs. 19, 20, 29, and 30

Land, rough and broken mountain slopes.
Soil, rocky mountain loam.
Timber, juniper, fir, pine, and pinon.
Undergrowth, sage, oak, and service-berry brush, weeds, and grass.

N. 83°47' W., bet. secs. 19 and 30.

Over mountainous land, through medium dense timber and undergrowth.

2.10 Fork of Lydia's Canyon, small stream of good water in bottom, flows SE.; ascend 315 ft. along a NE. slope.

16.10 Spur, projects N., about 4 chs. to end; descend along a NW. slope.

28.30 Draw, drains NE.; ascend 725 ft. along a SE. slope.

39.45 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 30 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked

S19

$\frac{1}{4}$

S50

1949

Deposit a sandstone, 6 x 5 x 3 ins., marked with a cross (X), at the base of the post.

Ascend 110 ft. along a SE. slope.

45.60 Spur, projects S. 20° E.; descend 315 ft. over a W. slope.

65.20 Lydia's Canyon, small stream of good water in bottom, flows S. 20° E.; ascend 185 ft. along an E. slope.

78.89 The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the township.

Land, rough and broken mountain slopes.
Soil, rocky mountain loam.
Timber, juniper, pinon, fir, and pine.
Undergrowth, sage, service-berry, and oak brush, weeds, and grass.

Beginning at the cor. of secs. 19, 20, 29, and 30.

Thence:

N. 1°49' W., bet. secs. 19 and 20.

DEPENDENT RESURVEY OF THE SUBDIVISION OF T. 39 S., R. 7 W.

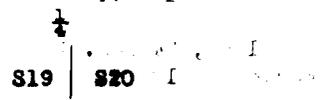
Chains

Over mountainous land, through medium dense timber and undergrowth; ascend 145 ft. along a SW. slope.

7.50 Spur, projects S. 20° E.; descend along a NE. slope.

39.775 Point for the 1/4 sec. cor. of secs. 19 and 20 at proportionate distance; there being no remaining evidence of the original cor.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground and in a mound of stone, with brass cap marked



1949

from which

A pinon, 20 ins. in diam., bears S. 0°30' W., 34 lks. dist., marked 1/4 S19 BT.

50.70 Fork of Lydia's Canyon, drains S. 20° E.; ascend along a SE. slope.

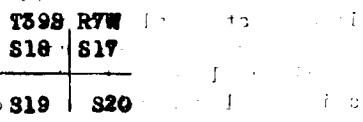
79.55 The cor. of secs. 17, 18, 19, and 20, marked by a limestone, 14 x 12 x 10 ins., set in a small mound of stone, marked 5 notches on E. edge and 3 notches on S. edge, and from which:

A pine, 10 ins. in diam., bears S. 9°30' E., 98 lks. dist., marked T39S R7W S20 BT.

A pine, 4 ins. in diam., bears S. 47°45' W., 42 lks. dist., marked T39S R7W S19 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 28 ins. in the ground, with brass cap marked



1949

Deposit the original stone alongside the iron post.

Land, rough and broken mountain slopes.

Soil, rocky mountain loam.

Timber, juniper, pinon, fir, and pine.

Undergrowth, Sage, oak, and service-berry brush, weeds, and grass.

N. 83°34' W., bet. secs. 18 and 19.

Over mountainous land, through medium dense timber and undergrowth; descend 165 ft. along a SW. slope.

10.50 Draw, drains S. 20° E., ascend 295 ft. along a SE. slope.

24.00 Spur, projects S. 20° E.; descend along a SW. slope.

38.015 Point for the 1/4 sec. cor. of secs. 18 and 19 at proportionate distance; there being no remaining evidence of the original cor.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Ed R. Chappell	Principal Assistant
Donald F. Simmons	Chairman
William D. Bowes	Chairman
William E. Bennison	Flagman
Alton C. Iverson Jr.	Cornerman
E. E. Porter	Axeman
James E. Stewart	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yumdt, Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 20th day of May, 1948, I have ~~surveyed~~ dependently resurveyed the east, and portions of the south and west boundaries, and of the subdivision of T. 39 S., R. 7 W.,

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah.
May 1, 1953

Robert C. Yumdt.
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., FEB 1 1955, 19

The foregoing field notes of the ~~survey of dependent resurvey of the east boundary, and portions of the south and west boundaries, and of the subdivision of T. 39 S., R. 7 W., Salt Lake Meridian, Utah.~~

executed by Robert C. Yumdt, Cadastral Engineer

having been critically examined and found correct, are hereby approved.

Garth G. Harrington
Chief, Division of Cadastral Engineering.
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I ~~CERTIFY~~ that the foregoing transcript of the field notes of the above-described surveys in

is a true copy of the original field notes.

Chief, Division of Cadastral Engineering.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

RECEIVED

JAN 7 1942

U.S. Department of Interior
Public Survey Office
Salt Lake City, Utah

FIELD NOTES

INDEPENDENT RESURVEY PORTION WEST BOUNDARY OF T. 39 S., R. 8 W., AND A
PORTION OF THE SUBDIVISION T. 39 S., R. 9 W., AND SUBDIVISION OF
SECTION 24, T. 39 S., R. 9 W.

Of the Salt Lake Meridian,
the State of Utah

EXECUTED BY

Elliot Bird, Associate Cadastral Engineer

Andrew Nelson, Assistant Cadastral Engineer

under special instructions dated September 21, 1939, which provided
the surveys included under Group No. 309, bearing the approval of the
Commissioner of the General Land Office under date of November 3, 1939
assignment instructions dated June 9, 1941.

Survey commenced August 14, 1941.

Survey completed August 20, 1941.

INDEX DIAGRAM.

Township 39 South, Range 9 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
20	29	28	27	26	25
31	30	29	28	27	26

Handwritten annotations in the diagram:
 - A '4' is written above the cell containing '24'.
 - A '6' is written to the left of the cell containing '24'.
 - A '7' is written below the cell containing '24'.
 - A '1' is written to the right of the cell containing '24'.
 - A small grid of lines is drawn within the cell containing '24'.

Subdivision of sec. 24, pages 9 to 11.

1700

T. 39 S., R. 9 W.

The official survey of T. 39 S., R. 9 W., Salt Lake Meridian, Utah, is shown upon the plat approved May 5, 1900. The following field notes are those of a dependent resurvey of the boundaries of section 24, T. 39 S., R. 9 W., and such subdivision of section surveys as will define and mark coal leases in the E 1/2 SW 1/4 section 24.

Before reconstructing or restoring the corners, the lines of the original survey were retraced, and search was made for evidence of the original cor. monuments and other calls of the field notes. When duly identified or restored, the corner positions were remonumented. In order to simplify the record, the true line notes only are given, which refer to the completed survey.

The survey was commenced August 14, 1941, and executed with Buff and Buff transits Nos. 18003 and 16726, used by Elliot Bird, Associate Cadastral Engineer, and Andrew Nelson, Assistant Cadastral Engineer respectively. Both instruments are equipped with Smith solar attachments and have full vertical circles. The horizontal limbs of each instrument are provided with 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 verticals and the latitude and declination arcs. The instruments were approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions dated June 9, 1941.

The directions of the lines were determined by angles deflected from controlling meridians established by observations made upon Polaris during the progress of the work. The method of repetition was used, accumulating the horizontal angles. The angles were repeated four times, with the telescope in direct and reversed positions. The lines were carried forward by taking the mean of direct and reversed sights at each instrument station.

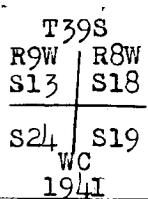
The measurements were made with Lallie steel tapes 5 and 8 chains in length, compared with a Lufkin standard steel tape, 1 chain in length and found correct. The tapes were graduated every link for the first 100 links and thereafter at intervals of 10 links. The measurements were made on the slope, and the vertical angle of each interval was ascertained with the transits, and the slope measurements properly reduced to true horizontal distances, which appear in this record.

DEPENDENT RESURVEY PORTION WEST BOUNDARY, T. 39 S., R. 8 W.

Reestablishment of surveys executed by
A.B. Lewis, U.S. Deputy Surveyor,
in 1897.

The cor. of secs. 13, 18, 19, and 24, on the E. bdy. of T. 39 S., R. 9 W., is a sandstone, 12 x 8 x 8 ins., loosely set, marked 3 notches on N. and S. edges. Cor. has no accessories, and is set on the N. bank of a wash where it is impracticable to set a permanent cor., therefore, at a point, North, 75 lks. dist. from the true cor. point:

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for witness cor. to the cor. of secs. 13, 18, 19, and 24, with brass cap marked



DEPENDENT RESURVEY. PORTION WEST BOUNDARY, T. 39 S., R. 8 W.

Chains

From which

A juniper, 7 ins. diam., bears N. $58^{\circ}45'$ E., 128 lks.
dist., marked WC T39S R8W S18 BT.

A juniper, 8 ins. diam., bears N. 56° W., 175 lks.
dist., marked WC T39S R8W S13 BT.

No other suitable bearing trees available.

Thence, from the stone cor. monument at the true point for
cor. secs. 13, 18, 19, and 24.

S. $0^{\circ}02'$ E., bet. secs. 19 and 24.

Ascend abrupt NW. slope of high mountainous land, through
medium dense timber and dense tall undergrowth.

- 0.15 Small stream in bottom of Hay Canyon, flows S. 70° W.;
continue abrupt ascent.
- 3.50 Ascent becomes more abrupt, bears NE. and SW.
- 17.80 Top of ascent, 290 ft. above cor., slopes N. 80° W.;
descend gradual SW. slope.
- 25.10 Small ravine, 40 ft. below top of ascent, drains N. 30° W.;
ascend abrupt NW. slope.
- 36.30 Slope changes from an abrupt NW. slope to an abrupt N.
slope.
- 39.40 Top of vertical sandstone ledge, 100 ft. high, faces N.,
and bears E. and N. 80° W.; continue abrupt ascent.
- 40.90 Record distance from the witness cor. to the $\frac{1}{4}$ sec. cor.
secs. 19 and 24; find no trace of the original $\frac{1}{4}$ sec. cor.
- Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
ground to solid rock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor. secs. 19 and 24, with brass cap marked

$\frac{1}{4}$
S24 | S19

1941

deposit a

sandstone, 10 x 10 x 8 ins., marked X, at the base of post.
Continue line and begin new measurement.

- 4.50 The witness cor. to the $\frac{1}{4}$ sec. cor. secs. 19 and 24, a
sandstone, 16 x 10 x 4 ins., firmly set, marked WC $\frac{1}{4}$ on W.
face. Cor. is witnessed by two bearing trees as follows.

A yellow pine, 10 ins. diam., bears S. $28^{\circ}15'$ W., 32 lks.
dist., marked WC $\frac{1}{4}$ S BT.

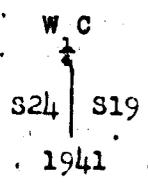
A yellow pine, 24 ins. diam., bears N. $56^{\circ}45'$ W., 72 lks.
dist., marked WC $\frac{1}{4}$ S BT. I mark this tree WC $\frac{1}{4}$ S24 BT.

At the cor. point; on top of ridge, 610 ft. above sec.
cor., bears N. 80° W. and S. 80° E.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the
ground to solid rock and in a large mound of stone, with
the original cor. monument deposited at the base of the
post, for witness cor. to the $\frac{1}{4}$ sec. cor., secs. 19 and
24, with brass cap marked

DEPENDENT RESURVEY PORTION W. BOUNDARY, T. 39 S., R. 8 W.

Chains



August 14, 1941: Stationed at the witness cor. to the $\frac{1}{4}$ sec. cor. secs. 19 and 24, in approximate latitude $37^{\circ}25'$ N., longitude $112^{\circ}46'$ W., at 9h 47.0m a.m. correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a flag left 27.60 chs. to the N., in a westerly direction to the star.

- Local mean time of observation ... 9h 15.9m a.m.
- Mean horizontal deflection angle.. $1^{\circ} 13'$
- Azimuth of Polaris $1^{\circ} 15'$ W.
- True bearing to flag..... N. $0^{\circ}02'$ W.

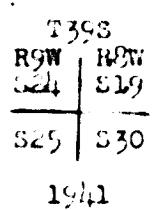
Thence, S. $0^{\circ}07'$ E., distances counted from $\frac{1}{4}$ sec. cor.

Descend abrupt brushy S. slope.

- 12.30 Top of abrupt descent over sandstone ledge, 200 ft. high, faces S. and bears E. and W.
- 27.90 Bend in small gully, drains SW. from N. 20° W.; continue descent.
- 35.90 Small stream in bottom of deep ravine, 500 ft. below ridge, flows S. 70° W.; ascend abruptly.
- 39.95 Proportionate distance; find no trace of the original cor. secs. 19, 24, 25, and 30.

On steep N. slope, 75 ft. above stream.

Set an iron post, $\frac{1}{2}$ ft. long, 2 ins. diam., 27 ins. in the ground and mound of stone, for the restored cor. secs. 19, 24, 25, and 30, with brass cap marked



from which

A yellow pine, 34 ins. diam., bears N. 70° W., 73 lks. dist., marked T39S R9W S24 BT.

No other suitable bearing tree available.

From this cor., the $\frac{1}{4}$ sec. cor. secs. 25 and 30, bears S. $0^{\circ}07'$ E., 39.95 chs. dist. Cor. is a sandstone, 17 x 5 x $\frac{1}{4}$ ins., loosely set in a small mound of stone, marked $\frac{1}{4}$ on W. face. Cor. has no accessories. I set the cor. monument 12 ins. in the ground, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of the cor. monument.

Land, high, rough, and mountainous.
Soil, deep and shallow dark clay loam with rock; 3rd rate.
Timber, scattered patches of yellow pine; juniper and pinon;
Undergrowth, tall oak, manzanita, buck, and service berry brush.
Good grazing land.

Chains

Reestablishment of surveys executed by
Andrew P. Hansen, U.S. Deputy Surveyor,
in 1898.

From the cor. monument at the true point for cor. secs.
13, 18, 19, and 24, on the S. bdy. of the township, which
is 75 lks. S. of the witness cor. to the cor. of said secs.

N. $89^{\circ}33'$ W., bet. secs. 13 and 24.

Along general S. slope of high mountainous land, at the
E. side of Hay Canyon, through scattered patches of timber
and dense tall undergrowth.

2.80 Elm wagon road, bears N. 70° E. and S. 70° W.

11.20 Small draw, 40 ft. below cor., drains S. 20° W. to Hay
Canyon; ascend SE. slope.

9.20 Sharp spur, 120 ft. above draw, projects S. 10° W.;
descend steep SW. slope.

12.80 Small depression on S. slope, 90 ft. below spur, drains
S.; ascend.

19.60 Irregular net wire fence, bears northerly and southerly.

4.30 Top of ascent on S. slope, 30 ft. above depression, bears
N. and S.; descend W. slope.

2.70 The North Fork Virgin River, stream 20 lks. wide, 6 ins.
deep, in bottom of canyon, 100 ft. below top of ascent,
flows S.; ascend E. slope.

17.60 Unimproved road, bears N. and S.

11.80 The 1/2 sec. cor. secs. 13 and 24, a sandstone, 18 x 12 x 9
ins., firmly set in a large mound of stone, marked $\frac{1}{2}$ on N.
face.

At the cor. point, on rocky N. slope, 40 ft. above stream.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground to solid rock and in a large mound of stone, with
the original cor. monument deposited at the base of the
post, for 1/2 sec. cor., with brass cap marked

S13

$\frac{1}{2}$
S24

1941

from which

A Juniper, 10 ins. diam., bears N. $81^{\circ}30'$ E., 18 lks.
dist., marked ; S13 ST.

An oak, 4 ins. diam., bears S. 52° E., 33 lks.
dist., marked ; S24 ST.

Thence, N. $89^{\circ}17'$ W.

7.70 Wagon road, bears N. 10° W. and S. 10° E.

8.60 Spur, 120 ft. above cor., slopes S. 10° E.; descend SW.
slope.

10.60 Draw, 20 ft. below spur, drains S. 10° E.; ascend SE.
slope.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 39 S., R. 9 W.

Chains

- 19.40 Ravine, 20 ft. above draw, drains SE.; continue ascent over SE. slope.
- 23.10 Barbed wire fence, bears NE. and SW.
- 30.90 Enter grassy table land, bears N. and S.
- 38.50 Leave table land, bears N. and S.; ascend E. slope.
- 39.00 Irrigation ditch, 5 lks. wide, 1 ft. deep, flows N. 20° E.
- 39.30 An old broken down barbed wire fence, bears N. and S.
- 40.16 The cor. of secs. 13, 14, 23, and 24, a sandstone, 14 x 10 x 4 ins., firmly set in the ground and mound of stone, marked 3 notches on S. edge and 1 notch on E. edge.

At the cor. point, on E. slope, 180 ft. above ravine.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for cor. secs. 13, 14, 23, and 24, with brass cap marked

T39S	R9W
S14	S13
S23	S24

1941

from which

- A juniper, 4 ins. diam., bears N. 89° E., 18 lks. dist., marked T39S R9W S13 BT.
- A juniper, 6 ins. diam., bears S. 50° E., 24 lks. dist., marked T39S., R. 9 W., S24 BT.
- A juniper, 7 ins. diam., bears S. 32° W., 63 lks. dist., marked T39S R9W S23 BT.
- A pinon, 12 ins. diam., bears N. 81°30' W., 116 lks. dist., marked T39S R9W S14 BT.

August 14, 1941: Stationed at the above cor., in approximate latitude 37°26' N., longitude 112°47' W., at 8h 54.9m a.m. correct 105th meridian standard time, I make an hour angle observation on Polaris W. of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a flag about 20 chains to the E. of station, in a counter clockwise direction to the star.

Local mean time of observation	8h 23.8m a.m.
Mean horizontal deflection angle.....	91° 52'
Azimuth of Polaris.....	1°09' W.
True bearing to flag	S. 89°17' E.
The observed magnetic declination is...	16° 30' E.

Land, high and mountainous.
 Soil, shallow and deep gravelly loam; 3rd rate.
 Timber, scattered juniper and pinon.
 Undergrowth, Tall oak, sage, and service berry brush.
 Good grazing land.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 39 S., R. 9 W.

Chains

S. 0°18' W., bet. secs. 23 and 24.

Descend gradually over broken SE. slope of high mountainous land, through scattered timber and dense tall undergrowth.

4.10 Irrigation ditch, 5 lks. wide, 1 ft. deep, drains N. 30° E.

6.80 Draw, 50 ft. below cor., drains E.; continue gradual descent.

39.97 The $\frac{1}{4}$ sec. cor. secs. 23 and 24; a sandstone, 18 x 8 x 8 ins., firmly set in the ground and mound of stone, marked $\frac{1}{4}$ on W. face. Cor. has no accessories.

At the cor. point; on SE. slope; 210 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\begin{array}{c} \frac{1}{4} \\ S23 \mid S24 \\ 1941 \end{array}$$

from which

A juniper, 5 ins. diam., bears S. 16°15' E., 110 lks. dist., marked $\frac{1}{4}$ S24 BT.An oak, 4 ins., diam., bears N. 88°15' W., 57 lks. dist., marked $\frac{1}{4}$ S23 BT.

Thence; S. 0°11' E.

7.10 Ravine, 50 ft. below cor., drains E.; ascend gradual NW. slope.

9.10 Spur, 20 ft. above ravine, projects E.; descend abrupt ledgy SE. slope.

20.00 On broken SE. slope, 270 ft. below spur.

Set an iron post; 3 ft. long, 1 in. diam.; 27 ins. in the ground and mound of stone, for the S. 1/16 sec. cor. secs. 23 and 24, with brass cap marked

$$\begin{array}{c} S \ 1/16 \\ S23 \mid S24 \\ 1941 \end{array}$$

from which

A juniper, 12 ins. diam., bears N. 80°45' E., 62 lks. dist., marked S 1/16 S24 BT.

A pinon, 8 ins. diam., bears N. 34° W., 18 lks. dist., marked S 1/16 S23 BT.

24.00 Unimproved road on the W. side of bottom lands of canyon, bears NE. and SW.; thence over rolling bottom lands of canyon.

25.60 The North Fork Virgin River, stream 20 lks. wide, 6 ins. deep, in bottom of wide canyon, 330 ft. below spur, flows S. 30° W.; continue over bottom lands of canyon.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 39 S., R. 9 W.

- Chains
- 35.80 Small seep in bottom of ravine, flows W.
- 37.60 An old broken down barbed wire fence, bears E., and W. 20 lks. dist., thence southerly.
- 39.50 Base of abrupt ascent over steep NE. slope through dense tall oak brush, bears E. and NW.
- 40.00 The cor. of secs. 23, 24, 25, and 26, a sandstone, 18 x 8 x 8 ins., lying on the ground, marked 1 notch on one edge and 2 notches on cornering edge. Cor. has no accessories.
- At the cor. point; on steep NE. slope in tall oak brush.
- Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post; for cor. secs. 23, 24, 25, and 26, with brass cap marked

T39S	R9W
S23	S24
S26	S25

1941

from which

A red cedar, 7 ins. diam., bears N. 74° E., 153 lks. dist., marked T39S R9W S24 BT.

No other suitable bearing trees available.

Land, high and mountainous.
 Soil, deep and shallow clay loam; 3rd rate.
 Timber, scattered juniper and pinon.
 Undergrowth, tall oak, sage, and service berry brush.
 Good grazing land.

S. 89°55' E., bet. secs. 24 and 25.

Descend gradually along steep NE. slope of high mountainous land, through scattered timber and dense tall undergrowth.

- 16.20 Small seep in bottom of deep narrow ravine, 30 ft. below cor., flows N. 80° W.; ascend ledgy SW. slope through medium dense timber.

- 19.97. On abrupt SW. slope, 130 ft. above ravine.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the W. 1/16 sec. cor. secs. 24 and 25, with brass cap marked

W 1/16	S24
	S25

1941

from which

A red cedar, 12 ins. diam., bears N. 7°30' E., 84 lks. dist., marked W 1/16 S24 BT.

A yellow pine, 15 ins. diam., bears S. 86° E., 221 lks. dist., marked W 1/16 S25 BT.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 39 S., R. 9 W.

Chains

- 31.50 Top of ascent, 180 ft. above ravine, bears N. and S.; descend gradual SE. slope.
- 33.30 Gulch, 30 ft. below top of ascent, drains S. 25° W.; ascend NW. slope.
- 36.30 Spur, 40 ft. above gulch, projects S. 20° W.; descend broken SE. slope.
- 39.54 The 4 sec. cor. secs. 24 and 25, a sandstone, 16 x 12 x 4 ins., loosely set, marked $\frac{1}{4}$ on N. face. Cor. is witnessed by two bearing trees as follows.

A juniper, 18 ins. diam., bears N. 15° E., 19 lks. dist., marked $\frac{1}{4}$ S BT.

A dead pinon, 10 ins. diam., bears S. 79° W., 20 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. point, on broken SE. slope, 30 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ sec. cor., with brass cap marked

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

S25

1941

I mark additional bearing trees to cor. as follows.

A yellow pine, 15 ins. diam., bears N. 76° E., 81 lks. dist., marked $\frac{1}{4}$ S24 BT.

A juniper, 10 ins. diam., bears S. 15° E., 78 lks. dist., marked $\frac{1}{4}$ S25 BT.

Thence, S. 87° 37' E.

- 6.30 Ravine, 20 ft. below cor., drains SW.; ascend NW. slope.
- 8.50 Spur, 50 ft. above ravine, slopes S.; thence along broken S. slope, through scattered timber and dense tall undergrowth.
- 10.10 Ravine, 50 ft. deep, drains S.; continue along S. slope.
- 26.00 Slope changes from a steep S. slope to a steep SE. slope.
- 31.60 Bottom of deep ravine, drains S. 60° W.; ascend steep N. slope.
- 33.31 The cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the township, 110 ft. above ravine.

Land, high and mountainous.

Soil, deep and shallow clay loam; 3rd rate.

Timber, juniper, pinon, and yellow pine, on portions of mile.

Undergrowth, tall oak, sage, manzanita, and service berry brush.

Good grazing land.

SUBDIVISION OF SECTION 24, T. 39 S., R. 9 W.

Chains

From the 1/4 sec. cor. secs. 24 and 25.

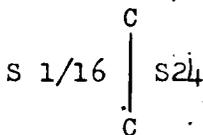
N. 0°12' E., on true N. and S. center line, sec. 24.

Ascend abrupt SE. slope of high mountainous land, through medium dense timber and dense tall undergrowth.

13.40 Spur, 260 ft. above cor., slopes S. 60° W.; descend gradual NW. slope through scattered timber and dense tall undergrowth.

19.59 On gradual NW. slope, 130 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the center S. 1/16 sec. cor. sec. 24, with brass cap marked



1941

deposit a sandstone, 12 x 8 x 8 ins., marked X, at base of post.

No suitable bearing trees available.

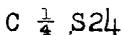
23.90 Ravine, 70 ft. below cor., drains N. 70° W.; ascend SW. slope.

32.50 Spur, 100 ft. above ravine, projects W.; descend NE. slope.

37.70 Ravine, 80 ft. below spur, drains NW.; ascend broken SW. slope.

39.18 At the intersection of true E. and W. center line sec. 24, on broken SW. slope, 30 ft. above ravine.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for center 1/4 sec. cor. sec. 24, with brass cap marked.



1941

from which

A yellow pine, 26 ins. diam., bears S. 25° E., 12 lks. dist., marked C 1/4 S24 BT.

A yellow pine, 12 ins. diam., bears S. 3°15' W., 55 lks. dist., marked C 1/4 S24 BT.

40.00 Spur, 30 ft. above cor., slopes SW.; 50 lks. dist. to end; descend gradual NW. slope.

41.50 Ravine, 20 ft. below spur, drains W., 1.00 chs. dist. to junction with last ravine; ascend abrupt S. slope.

42.60 Spur, 30 ft. above ravine, projects W., 1.00 ch. dist. to end; thence along general W. slope.

64.50 Top of abrupt descent over steep ledgy N. slope into North Fork Virgin River, bears E. and W.

66.70 The North Fork Virgin River, 20 lks. wide, 6 ins. deep, in bottom of canyon, 140 ft. below spur, flows W., 4.00 chs. dist., thence SW.; ascend gradual SE. slope.

SUBDIVISION OF SECTION 24, T. 39 S., R. 9 W.

Chains

77.80 Unimproved road, bears N. 30° E. and S. 30° W.

79.54 The 1/4 sec. cor. secs. 13 and 24, 70 ft. above creek.

Land, high and mountainous.
Soil, deep clay and gravelly loam; 3rd rate.
Timber, juniper, pinon, and yellow pine, on portions of mile.
Undergrowth, tall oak, manzanita, sage, and service berry brush.
Good grazing land.

From the 1/4 sec. cor. secs. 19 and 24, on the E. bdy. of the township.

N. 88°45' W., on true E. and W. center line sec. 24.

Ascend abrupt N. slope of high mountainous land, through scattered timber and dense tall undergrowth.

9.00 Top of ascent on N. slope, 80 ft. above cor., slopes N.; descend steep NW. and W. slopes.

13.70 Top of nearly vertical sandstone ledge, 100 ft. high, faces W. and bears N. and S.; descend abrupt W. slope.

38.98 The center 1/4 sec. cor. sec. 24, 580 ft. below the 1/4 sec. cor.

39.30 Ravine, 30 ft. below cor., drains N. 30° W.; ascend abrupt NE. slope.

42.30 Top of ascent, 40 ft. above ravine, bears N. and S.; descend gradually over general W. slope.

58.50 The North Fork Virgin River, 20 lks. wide, 6 ins. deep, in bottom of deep canyon, 280 ft. below top of ascent, flows S.; thence over bottom lands of canyon.

59.10 In bottom lands of canyon.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for center W. 1/16 sec. cor. sec. 24, with brass cap marked

W 1/16
C ————— C
S24
1941

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

No suitable bearing trees available.

63.90 Unimproved road, bears N. and S.; ascend steep SE. slope.

74.90 Ascent becomes more gradual, bears NE. and SW.

77.20 Spur, 270 ft. above cor., slopes SE.; descend gradual SW. slope.

79.22 The 1/4 sec. cor. secs. 23 and 24, 10 ft. below spur.

Land, high and mountainous.
Soil, deep and shallow clay and gravelly loam; 3rd rate.
Timber, scattered juniper and pinon.
Undergrowth, oak, service berry, and sage brush.
Good grazing land.

SUBDIVISION OF SECTION 24, T. 39 S., R. 9 W.

Chains

From the W. 1/16 sec. cor. secs. 24 and 25.

North, on true N. and S. center line SW $\frac{1}{4}$ sec. 24.

Ascend abrupt SW. slope of broken mountainous land, through medium dense timber and dense tall undergrowth.

2.80 Ascent becomes more gradual, bears E. and W.

6.20 Spur, 120 ft. above cor., slopes S. 70° W.; descend NW. slope.

14.60 Ravine, 100 ft. below spur, drains NW.; continue along general NW. slope.

19.80 At the intersection of the true E. and W. center line SW $\frac{1}{4}$ sec. 24; on general NW. slope, in dense tall oak brush,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the SW. 1/16 sec. cor. sec. 24, with brass cap marked

SW 1/16 S24

1941

deposit a sandstone, 12 x 10 x 10 ins., marked X, at base of post.

23.00 Ravine, drains W.; ascend along W. slope.

26.70 Top of ascent, 55 ft. above ravine, bears E. and W.; descend gradually along general W. slope.

34.10 The North Fork Virgin River, 20 lks. wide, 6 ins. deep, in bottom of canyon, 80 ft. below top of ascent, flows S. 20° W.; thence along bottom lands of canyon.

39.58 The center W. 1/16 sec. cor. sec. 24.

Land, broken and mountainous, with a general westerly exposure and drainage.

Soil, deep gravelly loam; 3rd rate.

Timber, juniper and pinon on portions of half mile.

Undergrowth, tall oak, sage, and service berry brush.

Good grazing land.

From the center S. 1/16 sec. cor. sec. 24.

N. 89°22' W., on true E. and W. center line SW $\frac{1}{4}$ sec. 24.

Descend gradual W. slope of high mountainous land, through dense tall undergrowth.

16.50 Top of abrupt descent into North Fork Virgin River, bears N. and S.

20.04 The SW. 1/16 sec. cor. sec. 24.

26.80 Enter channel of the North Fork Virgin River, bears N. and S.

27.00 The North Fork Virgin River, 20 lks. wide, 6 ins. deep, in bottom of canyon, 230 ft. below the center S. 1/16 sec. cor., flows SW.; continue across channel of stream.

31.00 Leave channel of North Fork Virgin River, bears NE. and SW.; thence across bottom lands of canyon.

SUBDIVISION OF SECTION 24, T. 39 S., R. 9 W.

Chains

- 34.80 Unimproved road, bears N. 30° E. and S. 30° W.; ascend broken SE. slope.
- 40.10 The S. 1/16 sec. cor. secs. 23 and 24, 40 ft. above stream.
 Land, broken and mountainous.
 Soil, deep gravelly loam; 3rd rate.
 Timber, cottonwood along bottom lands of canyon.
 Undergrowth, dense tall oak, sage, and service berry brush.
 Good grazing land.

GENERAL DESCRIPTION OF SECTION 24, T. 39 S., R. 9 W.

The lands within the boundaries of section 24, T. 39 S., R. 9 W., consist of high broken mountainous land, which have a general westerly and southeasterly exposure and drainage into the North Fork Virgin River.

The soil consists of a deep clay and gravelly loam, and may be classified as third rate.

The timber consists of a medium dense to a scattered growth of juniper, pinon, and yellow pine, which is found mostly in the west and southeast portions of the section. None of the timber has any commercial value.

The entire section is covered with a very dense growth of tall oak, service berry, and sage brush.

In the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of the section, numerous outcroppings of coal were found, and indications show that most portions of the section are underlain with coal.

No settlers were living on the section and no portions of it are suitable for farming. It is suitable only for a summer grazing range for stock and is being used for this purpose.

The North Fork Virgin River, a stream about 20 lks. wide and 6 ins. deep, enters the section at a point 4.10 chs. dist. to the E. of the $\frac{1}{2}$ sec. cor. secs. 13 and 24, and flows in a southwesterly direction, leaving the section 14.37 chs. dist. to the N. of the cor. secs. 23, 24, 25, and 26.

Except for the coal, no other indication of mineral, oil, or oil shale, were found.

4-830
(Revised May 1964)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD ASSISTANTS

NAMES	CAPACITY
Robert M. Warren	Chairman
Ernest Hinckley	Chairman
Thomas Kragvoitch	Chairman
Douglas McArthur	Chairman
Walter Hanks	Chairman
William Blood	Chairman
Benjamin Jensen	Flagman
Edward Bentley	Flagman
Wald Carlisle	Cornerman
John Tolar	Cornerman
Frank Peterzell	Cornerman
N. Mays	Cornerman
John Wilhelm Pritchard	Axman
Clay V. Mitchell	Axman
John A. Gorder	Axman
Frank Buttrey	Axman

CERTIFICATE OF SURVEYOR

Elliot Bird, Associate Cadastral Engineer
Andrew Nelson, Assistant Cadastral Engineer

~~I, We,~~ ~~CERTIFY~~ CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 21st day of September 1939, received from the district cadastral engineer for Utah, with assignment

instructions dated June 9, 1941, ~~I~~ ^{we} have ~~surveyed~~ made a dependent resurvey of portion west boundary, T. 39 S., R. 8 W., and a portion of the subdivision T. 39 S., R. 9 W., and subdivision of section 24, T. 39 S., R. 9 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by ~~me~~ ^{us} and under ~~my~~ ^{our} directions and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

November 27, 1941

Salt Lake City, Utah.

Elliot Bird
Associate Cadastral Engineer
Andrew Nelson
Assistant Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colo., November 1, 1944.

The foregoing field notes of the ~~survey of dependent resurvey of portion west bound~~ T. 39 S., R. 8 W., a portion of the subdivision T. 39 S., R. 9 W., and subdivision of section 24, T. 39 S., R. 9 W., S. L. M., Utah.

executed by Elliot Bird, Associate Cadastral Engineer
Andrew Nelson, Assistant Cadastral Engineer

under special instructions dated September 21, 1939, and assignment

instructions dated June 9, 1941, having been critically examined, and

the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

[Signature]
Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 39 S., R. 9 W., Utah, is a true copy of the original field notes on file in the public survey office.

[Signature]
Supervisor of Surveys.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
'C'



FIELD NOTES

OF THE

INDEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY OF T. 39 S., R. 18 W.,
INDEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY AND SUBDIVISION,
ESTABLISHMENT OF QUARTER SECTION CORNERS BETWEEN CLOSING CORNERS ON THE
WEST BOUNDARY, AND SURVEY OF A PORTION OF THE SUBDIVISION, COMPLETING
THE SURVEY OF T. 39 S., R. 17 W.

Of the Salt Lake Meridian,

of the State of Utah

EXECUTED BY

Andrew Nelson, Surveyor

Under special instructions dated May 11, 1939, which provided

for the surveys included under Group No. 300, bearing the approval of the

Commissioner of the General Land Office under date of June 16, 1939

and assignment instructions dated June 22, 1939.

Survey commenced September 8, 1939.

Survey completed October 26, 1939.

INDEX DIAGRAM.

Township 39 South , Range 17 West
75 74 74 73

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1693

T. 39 S., R. 17 W.

The survey of T. 39 S., R. 17 W., Salt Lake Meridian, Utah, was commenced September 8, 1939, and executed with Buff and Buff solar transit No. 16726. The instrument is the property of the General Land Office, and is equipped with a Smith solar attachment and a 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 latitude and declination arcs and vertical circle. The instrument was approved for use on this survey by the district cadastral engineer for Utah, conditional upon satisfactory field tests, in assignment instructions dated June 22, 1939.

The solar attachment was not used on this survey, and all controlling meridians were established by hour angle observations made upon Polaris during the progress of the work. The bearings of the lines were deflected from these true meridians by the repetition of angles, and carried forward by transit lines, taking the mean of direct and reversed sights.

The measurements were made with a Lallie steel tape 8 chains in length, which is graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested, comparison being made with a Lufkin standard steel tape 1 chain in length and found correct. The measurements were made on the slope, the vertical angle of each interval was ascertained with large improved clinometers, and the slope measurements properly reduced to true horizontal distances, which are entered in the field note record.

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 39 S., R. 17 W.

Reestablishment of surveys executed by
John H. Clark, Deputy Surveyor,
in 1911.

Note: The courses and distances of this boundary were found to agree with those given in the official record of the original survey, except the distance of the south boundary of sec. 31.

September 8, 1939: Stationed at the cor. of secs. 34 and 35, T. 39 S., R. 17 W., in approximate latitude 37°21' N., longitude 113°44' W., at 3h 56.5m p.m., correct 105th meridian standard time, I make an hour angle observation on Polaris east of the meridian, making four observations, two each with the telescope in direct and reversed positions reading the horizontal deflection angle from a tree on the skyline about 10 miles to the E., in a counter clockwise direction to the star.

- Local mean time of observation..... 3h 21.6m p.m.
- Mean horizontal deflection angle.... 89° 56.8'
- Azimuth of Polaris..... 0° 15.2' E.
- True bearing to tree..... S. 89°48' E.

The cor. of secs. 34 and 35, is a sandstone, 17 x 9 x 9 ins., firmly set, marked 2 notches on E. edge and 4 notches on W. edge. Corner is witnessed by two bearing trees as follows.

A juniper, 11 ins. diam., bears N. 4°30' E., 26 lks. dist.; marked T39S R17W S35 BT.

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 39 S., R. 17 W

Chains

A juniper, 16 ins. diam., bears N. 44° E., 54 lks. Dist., marked T39S R17W S35 BT.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 25 ins. in the ground to solid rock and in a mound of stone to top, with the original cor. monument deposited alongside, for the cor. of secs. 34, and 35, T. 39 S., R. 17 W., with brass cap marked.

T39S R17W
S34 S35

T40S R17W
S2

1939

No other suitable bearing trees available.

At the above cor., I deflect an angle of 189° 13' in a counter clockwise direction from the reference point.

Thence

West, on a resurvey line along the S. boundary of sec. 34, T. 39 S., R. 17 W.

Ascend gradual E. slope of rolling mountainous land, through dense timber and undergrowth.

1.22 Fall 10 links N. of the closing cor. of secs. 2 and 3, T. 40 S., R. 17 W., a sandstone, 11 x 9 x 4 ins., above ground, firmly set, properly marked and witnessed as described in the official record of the survey of T. 40 S. R. 17 W.

21.80 Shallow draw near head, drains NE.

28.50 Low rolling spur, slopes SE., 70 ft. above cor.

33.00 Bottom of wide flat basin, drains SE.

40.00 The 1/4 sec. cor. originally set for sections 3 and 34, a sandstone, 8 x 8 x 7 ins.; loosely set in small mound of stone, marked 1/4 on top face. Corner is witnessed by 2 bearing trees as follows.

A juniper, 12 ins. diameter, bears N. 47° E., 84 lks. distant, marked T39S R17W S34 BT.

A juniper, 14 ins. diameter, bears S. 75° 30' W., 27 lks. distant, marked 1/4 CS3 BT. I efface the marks on this tree.

At the corner point, on SE. slope, 30 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, with the original corner monument deposited at the base of the post, for 1/4 section corner of section 34, T. 39 S., R. 17 W., with brass cap marked

1/4 S34

1939

No other bearing trees available.

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 39 S., R. 17 W.

Chains

- 44.90 Leave bottom of wide flat basin and ascend gradual E. slope.
- 51.30 Top of low spur, projects SE.; descend rolling W. slope.
- 52.80 Unimproved road, bears SE., and NW. to Cedar Springs.
- 59.90 Large shallow draw, drains SE.; ascend gradual E. slope.
- 66.20 Low spur, slopes S. 30° E.
- 69.20 Branch draw, drains S. 30° E.
- 76.10 Top of E. edge of Toban Bench, bears NW. and SE.
- 80.00 The cor. of secs. 33 and 34, T. 39 S., R. 17 W., which is a volcanic stone, 19 x 12 x 4 ins., firmly set, marked 3 notches on E. and W. edges. Corner is witnessed by two bearing trees as follows,

A juniper, 10 ins. diameter, bears N. 73° E., 222 links distant, marked T39S R17W S34 BT.

A juniper, 10 ins. diameter, bears N. 59° W., 253 links distant, marked T39S R17W S33 BT.

At the corner point on rolling top of Toban Bench, 120 ft. above the $\frac{1}{2}$ section corner.

Set an iron post, 2 ft. long, 2 ins. diameter, 18 ins. in the ground to solid rock and in a large mound of stone to top, with the original cor. monument deposited alongside, for corner of sections 33 and 34, T. 39 S., R. 17 W., with brass cap marked

T39S	R17W
S33	S34

T40S R17W

S3

1939

Land, rolling with a general southeasterly exposure. Soil, clay, gravel, and rock; 4th rate. Timber, juniper and pinon. Undergrowth, sage, oak, and black brush, weeds, and grass. Fair grazing land.

West, along S. bdy. section 33, T. 39 S., R. 17 W.

land

Ascend gradual E. slope of rolling to Toban Bench, through scattered timber and undergrowth.

- 1.08 The closing corner of sections 3 and 4, T. 40 S., R. 17 W., a sandstone, 11x10x8 ins., above ground, firmly set, marked and witnessed as described in the official record of the survey of T. 40 S., R. 17 W.
- 13.90 Large shallow branch draw, drains S. 60° E.
- 32.80 Shallow depression, drains S. 60° E.
- 40.00 The $\frac{1}{2}$ section corner originally set for sections 4 and 33, a volcanic stone, 14x8x8 ins.; firmly set, marked $\frac{1}{2}$ on N. face. Corner is witnessed by two bearing trees as follows.
- A juniper, 12 ins. diameter, bears S. 24° E., 120 links distant, marked $\frac{1}{2}$ SC BT.

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 39 S., R. 17 W.

Chains

A juniper, 6 ins. diameter, bears N. 42° W., 149 links distant, marked $\frac{1}{4}$ S BT S33

At the corner point; 70 ft. above section corner.

Set an iron post, 3 ft. long, 1 in. diameter, 22 ins. in the ground to solid rock, and in a large mound of stone to top, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ section corner of section 33, with brass cap marked

$\frac{1}{4}$ S33

1939

No other suitable bearing trees available.

51.80 A 7 barbed wire drift fence, bears N. 44° 40' W., and S. 44° 40' E.

59.80 Shallow depression, drains S. 60° E.

67.00 Top of ascent on bench, 30 ft. above the $\frac{1}{4}$ section corner, bears N. and S.; descend gradual W. slope.

68.40 Top of W. rim of Toban Bench, bears N. 30° W. and S. 30° E. continue descent over W. slope.

80.00 The corner of sections 4, 5, 32, and 33, which is a volcanic stone, 20x13x4 ins., firmly set, marked 4 notches on E. edge and 2 notches on W. edge. Corner is witnessed by three bearing trees as follows.

A juniper, 12 ins. diameter, bears S. 84° 30' E., 140 links dist., marked T40S R17W S4 BT.

A juniper, 12 ins. diameter, bears S. 46° W., 233 links dist., marked T40S R17W S5 BT.

A juniper, 10 ins. diameter, bears N. 58° 45' W., 176 links dist., marked T39S R17W S32 BT.

At the cor. point, on W. slope, 160 ft. below top of ascent.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, with the original corner monument deposited at the base of the post, for corner of sections 4, 5, 32, and 33, with brass cap marked

T39S	R17W
S32	S33

S5	S4
----	----

T40S

1939

I mark an additional bearing tree to corner as follows.

A juniper, 6 ins. diameter; bears N. 46° 30' E., 62 lks. dist., marked T39S R17W S33 BT.

Land, rolling, with a general southeasterly exposure.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, black, sage, and oak brush, and weeds.

Fair grazing land.

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 39 S., R. 17 W.

Chains

West, along the S. boundary of section 32, T. 39 S., R. 17 W.

Descend gradual W. slope of rolling land, through medium dense timber and undergrowth.

- 2.00 Irrigation ditch, 3 links wide, 1 ft. deep, drains S.
- 4.75 Unimproved road, bears N. and S.
- 9.60 Toban Wash, 50 links wide, 140 ft. below section corner, drains S.; ascend gradual E. slope.
- 15.90 American Telephone and Telegraph Company, 14 wire line, bears N.43°51'E. and S.43°51'W.
- 23.60 Low spur, slopes off to the S.
- 30.90 Large, shallow draw, drains S.60°E.
- 40.00 The $\frac{1}{2}$ section corner originally set for sections 31 and 32, which is a sandstone, 18x11x6 ins., firmly set, marked $\frac{1}{2}$ on N. face. Corner is witnessed by two bearing trees, as follows

A juniper, 6 ins. diameter, bears S.37°45'E., 150 links distant, marked $\frac{1}{2}$ S3 BT. Efface the marks on this tree.

A juniper, 10 ins. diameter, bears N.16°W., 110 links distant, marked $\frac{1}{2}$ S32 BT

At the corner point, on E. slope, 110 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 18 ins. in the ground to solid rock, and in a large mound of stone to top, with the original corner monument deposited at the base of the post, for $\frac{1}{2}$ section corner of section 32, with brass cap marked

$\frac{1}{2}$ S32

1933

- 42.60 Low spur, slopes S.
- 51.40 Swale, 110 ft. below spur, drains S.30°E.
- 57.40 Unimproved road, bears N.20°W. and S.20°E.
- 59.70 Spur, 40 ft. above swale, slopes S.20°E.; enter dense juniper timber, bears N. and S.
- 63.20 Large branch draw, 70 ft. below spur, drains SE.
- 70.70 Top of E. rim of Grapevine Wash, bears N.20°W. and S. 20°E.
- 80.00 The corner of sections 31, and 32, which is a granite stone, 19x12x4 ins., firmly set, marked 1 notch on W. edge, and 3 notches on E. edge. Corner is witnessed by two bearing trees, as follows

A pinon, 12 ins. diameter, bears N.4°30'E., 100 links distant, marked T39S R17W S32 BT

A pinon, 10 ins. diameter, bears N.40°W., 60 links distant, marked T39S R17W S31 BT

At the corner point, on the E. side of bottom of Grape-

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 39 S., R. 17 W.

Chains

Vine Wash, 70 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diameter, 24 ins. in the ground to solid rock, and in a mound of stone to top, with the original corner monument deposited at the base of the post, for corner of sections 31 and 32, T. 39 S., R. 17 W., with brass cap marked

T39S	R17W
S31	S32

T40S R17W

S5

1939

Land, broken, with a general southerly exposure and drainage.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon on portions of mile.

Undergrowth, oak, black and sagebrush and weeds.

Fair grazing land.

West, along the S. boundary of section 31, T. 39 S., R. 17 W

Over broken, mountainous land, through dense timber and undergrowth.

- 0.50 Grapevine Wash, with small seeps of water in bottom, drains SE.; ascend rocky, abrupt NE. slope.
- 2.29 The closing corner of sections 5 and 6, T. 40 S., R. 17 W. which is a granite stone, 16x8x6 ins., firmly set, marked and witnessed as described in the official record of the survey of T. 40 S., R. 17 W.
- 3.30 Top of W. rim of Grapevine Wash, bears NW. and SE.; ascend gradually.
- 5.70 Low, flat, timbered spur, 60 ft. above corner, and 110 ft. above bottom of wash, projects SE.; thence ascend gradual E. slope.
- 8.60 Small depression, drains S.50°E.
- 39.82 The $\frac{1}{4}$ section corner originally set for sections 6 and 31, which is a sandstone, 17x10x9, firmly set, marked $\frac{1}{4}$ on N. face. Corner is witnessed by two bearing trees, as follows
- A pinon, 12 ins. diameter, bears North, 65 links distant, marked $\frac{1}{4}$ S31 BT
- A juniper, 6 ins. diameter, bears S.10°E., 70 links distant, marked $\frac{1}{4}$ S6 BT. I efface the marks on this tree.
- At the corner point, on gradual E. slope, 220 ft. above the corner of sections 31 and 32, on low spur, projects N.70°E.
- Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, with the original corner monument deposited at the base of the post, for $\frac{1}{4}$ section corner of section 31, T. 39 S., R. 17 W., with brass cap marked

 $\frac{1}{4}$ S31

1939

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T.39 S., R.17 W.

Chains

- 52.60 Small depression, drains N.70°E.
- 62.40 Leave dense timber and enter red colored conglomerate formation, bears N. and S.
- 68.60 Small spur, slopes SK.
- 73.50 Large draw, near head, drains SE.
- 81.54 The corner of Ts. 39 and 40 S., Rs. 17 and 18 W., which is a quartzite, 16x10x8 ins., firmly set, properly marked and witnessed, as described in the official record.

Corner is on a broken SE. slope, 560 ft. above the 1/4 section corner.

Land, broken, with a general easterly and southeasterly exposure and drainage.

Soil, shallow clay and gravel, with a rocky surface; 4th rate.

Timber, juniper and pinon on portion of mile.

Undergrowth, black, sage, oak and buck brush, and weeds. Fair grazing land.

DEPENDENT RESURVEY PORTION EAST BOUNDARY, T.39 S., R.18 W.

Reestablishment of Surveys executed by
J. C. O'Brien and Chas. F. Moore, Surveyors,
in 1922.

October 22, 1939: stationed at the 1/4 section corner of sections 7 and 12, on the W. boundary of T. 39 S., R.17 W. hereinafter described, in approximate latitude 37°25'W., longitude 113°49'W., at 8h 28.9m a.m., correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a tree about two miles north in a counter clockwise direction to the star.

Local mean time of observation, - - - - 7h 53.6m a.m.

Mean horizontal deflection angle

from tree to star, - - - - - 1° 05' W.

Azimuth of Polaris, - - - - - 1° 05' W.

True bearing to tree, - - - - - North

The 1/4 section corner of sections 7 and 12, on the W. boundary of T. 39 S., R. 17 W., is an iron post, 1 in. diameter, set, marked and witnessed, as described in the official record of the survey of T. 39 S., R. 18 W., Group 109, Utah.

Thence, from the above corner.

North, between sections 7 and 12.

Descend abrupt NW. slope of broken, mountainous land, through scattered timber and undergrowth.

- 12.30 Branch draw, drains N. from the SW.; thence along bottom of draw.
- 13.10 Leave draw, drains N.20°E.; continue descent.
- 22.70 Shallow draw, drains N.60°E.

DEPENDENT RESURVEY PORTION EAST BOUNDARY, T. 39 S., R. 18 W.

Chains

- 28.00 Small spur, projects E.
- 32.00 Short spur, projects N.85°E.
- 34.40 Swale, drains E.
- 34.70 Tractor road, bears E. and W.
- 39.47 The corner of sections 1, 6, 7, and 12, an iron post, 2 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 39 S., R. 18 W., Group No. 109, Utah.
- I efface the marks on the corner monument that pertain to sections 6 and 7, T. 39 S., R. 17 W.
- Corner set on the E. point of low spur, 430 ft. below the $\frac{1}{4}$ section corner.
- Land, broken and mountainous.
Soil, shallow clay, gravel and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, oak, sage, maple and black brush and weeds.
Fair grazing land.
-
- North, along the E. boundary of section 1, T. 39 S., R. 18 W.
- Descend gradual NE. slope of broken, mountainous land, through scattered timber and dense undergrowth.
- 0.60 The closing corner of sections 6 and 7, T. 39 S., R. 17 W., subsequently set at this point.
- 21.40 Small draw, drains S.70°E.
- 26.20 Long, low spur, projects S.70°E.
- 38.40 Bottom of Cove Wash, 340 ft. below corner, drains S.85°E.; ascend steep SE. slope.
- 40.00 The $\frac{1}{4}$ section corner originally set for sections 1 and 6, which is an iron post, 1 in. diameter, set, marked, and witnessed, as described in the official record of the survey of T. 39 S., R. 18 W., Group 109, Utah.
- I efface the marks on the corner monument that pertain to section 6, T. 39 S., R. 17 W.
- 40.60 On SW. slope, 50 ft. above wash, point which is North 40.00 chains distant from the closing corner of sections 6 and 7.
- Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner of section 6, T. 39 S., R. 17 W., with brass cap marked
- $\frac{1}{4}$ S6
-1939
- of stone, 3 ft. base, 2 ft. high, E. of corner. raise a mound
- 40.70 Improved road, bears SE. to Veyo, Utah, and NW. to Enterprise Reservoir.
- 67.90 Spur, projects E. about 8.00 chains distant to end; continue ascent.

DEPENDENT RESURVEY PORTION EAST BOUNDARY, T. 39 S., R. 18 W.

Chains

- 73.50 Shallow branch draw, drains S.70°E.
- 74.44 The closing corner of Ts. 39 S., Rs. 17 and 18 W., which is an iron post, 3 ins. diameter, set, marked, and witnessed, as described in the official record of the survey of T. 39 S., R. 18 W., Group 109, Utah.
- Corner is on S. slope, 280 ft. above the $\frac{1}{4}$ section corner of section 6.
- Land, broken and mountainous.
Soil, shallow clay and gravel, with a rocky surface; 4th rate.
Timber, scattered scrub juniper and pinon.
Undergrowth, oak, black and sage brush, and weeds.
Fair grazing land.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 39 S., R. 17 W.

Reestablishment of Surveys executed by
T. C. Bailey, Deputy Surveyor, in 1877.

From the corner of sections 34 and 35, on the S. boundary of the township, heretofore described.

N.0°01'W., on a resurvey line, between sections 34 and 35.

Over rolling bench land, through medium dense timber and undergrowth.

- 5.70 Small draw, drains N.85°E.
- 17.50 Spur, 100 ft. above corner, slopes S.60°E.; descend gradual NE. slope.
- 40.00 Find no evidence of the original $\frac{1}{4}$ section corner of sections 34 and 35.
- Record distance, on gradual S. slope, 60 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

from which

A juniper, 18 ins. diameter, bears N.55°E., 37 links distant, marked $\frac{1}{4}$ S35 BT.

A juniper, 10 ins. diameter, bears N.57°45'W., 88 links distant, marked $\frac{1}{4}$ S34 BT.

Thence ascend gradually.

- 56.60 Top of ascent on E. slope of peak, 90 ft. above the $\frac{1}{4}$ section corner, bears E. and W.; descend gradually along E. slope.
- 66.40 Manera Wash, 70 ft. below top of ascent, drains S.50°E.; ascend gradual S. slope.
- 73.00 Large branch draw, drains S.20°E.
- 80.00 Find no evidence of the original corner of sections 26, 27, 34, and 35.

Chains

At record distance, on gradual SW. slope, 90 ft. above Manera Wash.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for the corner of sections 26, 27, 34, and 35, with brass cap marked

T39S	R17W
S27	S26
S34	S35

1939

from which

A juniper, 12 ins. diameter, bears N.86°15'E., 178 links distant, marked T39S R17W S26 BT

A juniper, 7 ins. diameter, bears S.73°15'E., 109 links distant, marked T39S R17W S35 BT

A juniper, 8 ins. diameter, bears S.35°15'W., 50 links distant, marked T39S R17W S34 BT

A juniper, 9 ins. diameter, bears N.21°15'W., 74 links distant, marked T39S R17W S27 BT

From this corner the original corner of sections 25, 26, 35, and 36, bears S.89°24'E. 80.00 chains distant. Corner is a granite stone, 15x9x9 ins., firmly set in the ground, and mound of stone, marked 2 notches on W. edge, and 1 notch on S. edge. Corner has no accessories.

At the corner point.

Set an iron post, 3 ft. long, 2 ins diameter, 18 in. in the ground to solid rock, and in a large mound of stone to top, with the original corner monument deposited at the base of the post, for the corner of sections 25, 26, 35, and 36, with brass cap marked

T39S	R17W
S26	S25
S35	S36

1939

from which

A juniper, 10 ins. diameter, bears N.49°45'E., 67 links distant, marked T39S R17W S25 BT

A juniper, 7 ins. diameter, bears S.75°30'E., 27 links distant, marked T39S R17W S36 BT

A juniper, 9 ins. diameter, bears S.22°W., 41 links distant, marked T39S R17W S35 BT

A juniper, 20 ins. diameter, bears N.77°15'W., 121 links distant, marked T39S R17W S26 BT

Land, rolling and mountainous, with a general southeasterly exposure and drainage.

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, black and sage brush, and weeds.

Fair grazing land.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 39 S., R. 17 W.

Chains

N. 0°02' E., bet. sections 26 and 27,

Ascend gradual S. slope of rolling mountainous land, through medium dense timber and undergrowth.

5.00 Slope changes from a gradual S. slope to a gradual W. slope.

40.00 Find no evidence of the original $\frac{1}{4}$ section corner of sections 26 and 27.

At record distance, on gradual W. slope, 210 ft. above section corner.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock and in a large mound of stone to top, for the restored $\frac{1}{4}$ section corner of sections 26 and 27, with brass cap marked
$$\frac{1}{4}$$

S27	S26
1939	

from which

A juniper, 14 ins. diameter, bears S. 86°30' W., 151 links distant, marked $\frac{1}{4}$ S27 BT.

No other bearing tree available.

Corner set on SW. rim of bench, bears N.20°W. and S.20°E.

53.80 Improved road, bears N.57°15'W., to Enterprise Reservoir and S.57°15'E. to Veyo, Utah.

55.00 Top of NE. rim of bench, bears NW. and SE.; descend gradual NE. slope.

78.50 Four strand barbed wire Forest Service fence, bears E. and W.

80.00 Find no evidence of the original corner of sections 22, 23, 26, and 27, and the restored point for the corner falls in bottom of Cove Wash, 320 ft. below rim of bench, drains SE., where it is impossible to set a permanent corner; therefore, at a point W., 30 links distant from the true corner point.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock and in a large mound of stone to top, for witness corner to the corner of sections 22, 23, 26, and 27, with brass cap marked

T39S	R17W	
S22	S23	
S27	S26	WC

1939

from which

A juniper, 5 ins. diameter, bears N.63°30'E., 194 links distant, marked WC T39S R17W S23 BT.

A juniper, 7 ins. diameter, bears S.29°30'E., 345 links distant, marked WC T39S R17W S26 BT.

A juniper, 12 ins. diameter, bears S.84°45'W., 168 links distant, marked WC T39S R17W S27 BT.

A juniper, 5 ins. diameter, bears N35°30'W., 172

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 39S., R. 17W.

Chains	Links distant, marked WC T39S R17W S22 BT. Land, rolling. Soil, shallow clay and gravel, with a rocky surface; 4th rate. Timber, juniper and pinon. Undergrowth, sage and black brush and weeds. Fair grazing land.
	From the true point for the corner of sections 22, 23, 26, and 27, which is E., 30 links distant from the witness corner to the corner of said sections.
	S. 89°30' E., between sections 23 and 26.
	Ascend gradual SW. slope of rolling land, through scattered timber and dense short undergrowth.
0.20	Small stream in bottom of Cove Wash, flows SE.
24.60	High spur, 220 ft. above true point for section corner, projects S. 10° E.; descend gradual E. slope.
40.00	Find no evidence of the original $\frac{1}{4}$ section corner of sections 23 and 26. At mid-point, in dry channel of Moody Creek, 180 ft. below spur. Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for the restored $\frac{1}{4}$ section corner of sections 23 and 26, with brass cap marked
	$\begin{array}{r} S23 \\ \frac{1}{4} \\ \hline S26 \\ 1939 \end{array}$
	from which
	A black willow, 5 ins. diameter, bears N.30°E., 165 links distant, marked $\frac{1}{4}$ S23 BT.
	No other suitable bearing tree available.
	From the $\frac{1}{4}$ section corner a Forest Service fence, bearing E. and W., bears S., 54 links distant. Thence along N. side of Forest Service fence bearing easterly and westerly.
41.80	Bottom of dry channel of Moody Creek, drains S.30°E.; ascend gradually.
44.20	Wash in draw, drains S.80°W.
49.20	From this point, the E. gate post of a pole corral, bears N.16°45'E., 2.05 chs. distant.
49.80	Unimproved road, bears N. and S.; also wash, drains S.60°W.
54.40	Recross wash, drains N.60°W.
63.50	Recross wash, drains S.70°W., in bottom of draw.
75.00	Small branch draw near head, drains NW., 3.00 chains distant to junction with large draw, draining SW.
80.00	The true point for the cor. of secs. 23, 24, 25, and 26, which is S. 0°01' E., 94 links distant from the witness cor. to the cor. of said sections. Witness corner was

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 39 S., R. 17 W.

Chains

set by the Forest Service and is also the witness corner to Cor. No. 2, H.E.S. No. 147. Corner is a volcanic stone, 24x10x10 ins., set, marked and witnessed, as described in the official record.

At the witness corner, 12 links N. of a Forest Service fence, bearing easterly and westerly.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock and in a large mound of stone to top, with the original corner monument deposited alongside, for witness corner to the corner of sections 23, 24, 25, and 26, with brass cap marked

T39S	R17W
S23	S24
S26	S25
WC	
1939	

from which

A juniper, 6 ins. diameter, bears N.33°30'E., 50 links distant, marked WC T39S R17W S24 BT.

A juniper, 6 ins. diameter, bears S.76°30'W., 25 links distant, marked WC T39S R17W S23 BT.

A juniper, 6 ins. diameter, bears N.8°15'W., 124 links distant, marked WC T39S R17W S23 BT.

No SE. bearing tree available.

True point for corner falls on unsafe land, where it is impracticable to set a corner.

From the true point for corner, the corner of sections 25, 26, 35, and 36, bears S. 0°03' W., 80.16 chs. distant.

Land, rolling.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, black and sage brush, and weeds.

Fair grazing land.

The corner of sections 19, 24, 25, and 30, on the E. bdy. of the township, is an iron post, 2 ins. diam., set, marked and witnessed as described in the official record of the survey of T. 39 S., R. 16 W., Group 57, Utah.

Thence, from the above corner.

West, between sections 24 and 25.

Descend gradually over rolling hills, through dense timber and short undergrowth.

11.20 Draw, 100 ft. below corner, drains S. 20° W.; ascend gradual E. slope.

30.40 Top of ascent, 100 ft. above draw, bears N. and S.; descend gradual W. slope.

36.30 Large branch draw, 60 ft. below top of ascent, drains S. 10° W.

39.96 The original $\frac{1}{4}$ section corner of sections 24 and 25, a

PORTION

DEPENDENT RESURVEY/ OF SUBDIVISION, T. 39 S., R. 17 W.

Chains sandstone, 24x20x10 ins., firmly set in a small mound of stone, marked $\frac{1}{4}$ on N. face, alongside of which is corner No. 1, H.E.S. No. 147, a volcanic stone, 22x12x8 ins., firmly set, marked 1-H.E.S. 147. Entry not patented.

At the corner point, 17 links S. of a Forest Service fence bearing easterly and westerly.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, with the original corner monuments deposited alongside, for $\frac{1}{4}$ section corner sections 24 and 25, with brass cap marked

S24

S25

1939

from which

A juniper, 8 ins. diam., bears S. 48° 30' E., 12 links distant, marked $\frac{1}{4}$ S25 BT.

No other bearing tree available.

Thence, N. 88° 37' W.

10.60 Small depression, heads N., 2.00 chains distant and drains S.; ascend gradual E. slope.

33.00 Top of ascent on bench, bears N. and S.; thence over bench

34.20 Top of W. rim of bench, bears N. and S. 80° W.; descend steep W. slope.

38.26 The witness corner to the corner of sections 23, 24, 25, and 26, and also to Cor. No. 2, H.E.S. No. 147, set by the Forest Service, which is a lava stone, 24 x 8 x 7 ins., conforming to the official record.

39.75 The true point for the corner of sections 23, 24, 25, and 26, 120 ft. below rim of bench, and which is S. 0° 01' E., 94 links distant from the witness corner to the corner of said sections, hereinbefore described.

Land, rolling hills.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage and black brush, weeds and grass.

Fair grazing land.

SUBDIVISION OF, T. 39 S., R. 17 W.

From the corner of sections 13 and 24, on the E. bdy. of the township, an iron post, 2 ins. diameter, set, marked and witnessed as described in the official record of the survey of T. 39 S., R. 16 W., Group 57, Utah.

West, on random line, between sections 13 and 24.

40.00 Set temp. $\frac{1}{4}$ section corner.

79.73 Set temp. corner sections 13 and 24.

Thence, S. 0° 01' E., on random line, between sections 23 and 24.

40.00 Set temp. $\frac{1}{4}$ section corner.

78.82 Fall 1 link W. of the true point for corner sections 23, 24, 25, and 26.

Thence.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

From the true point for the corner of said sections.

N. 0°01' W., on true line, between sections 23 and 24.

Along W. slope of rolling land, through dense timber and undergrowth.

0.94 The witness corner to the corner of sections 23, 24, 25, and 26, also the witness corner to corner No. 2, of H.E.S. No. 147

19.14 Fall 5 lks. W. of corner No. 3, H.E.S. No. 147, a granite, 8 x 8 x 6 ins., which conforms to the official record.

20.00 Large shallow draw, 80 ft. below true point for section corner, drains SW.; ascend gradual S. slope.

38.82 On gradual SE. slope, 70 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 22 ins. in the ground to solid rock and in a large mound of stone to top, for 1/2 section corner section 24, with brass cap marked

1/2 S24

1939

from which

A juniper, 6 ins. diameter, bears N.33°45'E., 40 links distant, marked 1/2 S24 BT.

A pinon, 8 ins. diameter, bears S.13°30'E., 68 links distant, marked 1/2 S24 BT.

40.72 Point which is S. 0°01' E., 40.00 chains distant from the corner of sections 14 and 23.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for 1/2 section corner section 23, with brass cap marked

1/2 S23

1939

from which

A juniper, 8 ins. diameter, bears S.56°45'W., 96 links distant, marked 1/2 S23 BT.

A pinon, 7 ins. diameter, bears N.88°30'W., 86 links distant, marked 1/2 S23 BT.

50.70 Small branch draw, drains S. 10° W.

62.70 Low spur, slopes off to the W.; descend gradually along W. slope.

73.20 Small draw near head, drains S. 40° W.

75.40 Low spur, projects S. 40° W.

78.82 On gradual NW. slope.

Chains

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 13 and 24, with brass cap marked

T39S
S13

S23

S24
R17W

1939

from which

A juniper, 12 ins. diameter, bears N. 20° E., 118 links distant, marked T39S R17W S13 BT.

A juniper, 12 ins. diameter, bears S. 42° E., 61 links distant, marked T39S R17W S24 BT.

Land, rolling.
Soil, shallow clay and gravel, with a rocky surface;
4th rate.
Timber, juniper and pinon.
Undergrowth, sage and black brush.
Fair grazing land.

From the cor. of sections 13 and 24, on the E. boundary of the township.

West, on true line, bet. sections 13 and 24.

Ascend gradual E. slope of rolling land, through medium dense timber and undergrowth.

4.30 Top of bench spur, 50 ft. above corner, projects S.15°W.

11.30 Large draw, 80 ft. below spur, drains S.30°W.

24.60 Top of wide bench spur, 180 ft. above draw, projects S.; descend gradually.

38.80 Large draw, 270 ft. below spur, drains SW.

39.86 In bottom lands of draw.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

S13

S24

1939

from which

A juniper, 10 ins. diameter, bears S.45°W., 55 links distant, marked $\frac{1}{4}$ S24 BT.

A juniper, 6 ins. diameter, bears N.5°W., 47 links distant, marked $\frac{1}{4}$ S13 BT.

55.10 Spur, 200 ft. above the $\frac{1}{4}$ section corner, projects S.30°W.

62.20 Large branch draw at head, 120 ft. below spur, drains S.20°W.

63.90 Narrow spur, 40 ft. above draw, projects S.20°W.; descend.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

79.72 The corner of sections 13 and 24, 180 ft. below spur.

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

Soil, shallow clay and gravel, with a rocky surface; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black and oak brush, and weeds.

Fair grazing land.

N.0°01'W., along the W. boundary of section 13.

Ascend gradually along S. slope of rolling, mountainous land, through medium dense timber and undergrowth.

1.90 At the intersection of a line projected E. from the corner of sections 14, 15, 22, and 23.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 14 and 23, with brass cap marked

T39S	
S14	
S23	S13
R17W	

1939

from which

A pinon, 10 ins. diameter, bears S.26°15'W., 211 links distant, marked T39S R17W S23 BT

A juniper, 10 ins. diameter, bears N.40°45'W., 135 links distant, marked T39S R17W S14 BT

2.70 Shallow draw, drains SW.; ascend gradual SE. slope.

9.00 Spur, projects NW.; descend . . . slope.

13.60 Shallow depression, drains S.70°W., and heads E. about 4.00 chains distant; ascend rolling S. slope.

20.20 Low, wide spur, projects S.80°W.; descend NW. slope.

32.50 Small draw, 140 ft. below spur, drains S.60°W.

35.00 Low spur, projects S.70°W.

40.00 In bottom lands of draw.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner of section 13, with brass cap marked

$\frac{1}{4}$	S13
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1939

from which

A juniper, 6 ins. diameter, bears N.60°E., 64 links distant, marked $\frac{1}{4}$ S13 BT

A juniper, 4 ins. diameter, bears S.15°E., 43 links distant, marked $\frac{1}{4}$ S13 BT

40.70 Branch draw, drains W. about 2.00 chains distant to junction with main draw, draining S.30°W.

Chains

41.90 On gradual S. slope.
 Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner of section 14, with brass cap marked

$\frac{1}{4}$ S14

1939

from which

A juniper, 10 ins. diameter, bears S.44°W., 43 links distant, marked $\frac{1}{4}$ S14 BT

A juniper, 7 ins. diameter, bears N.64°30'W., 26 links distant, marked $\frac{1}{4}$ S14 BT

- 44.10 Low spur, projects SW.
- 45.80 Large main draw, drains S.30°W.; also four barbed wire Forest Service fence, bears N.60°E. and S.60°W.
- 58.30 Spur, 110 ft. above draw, projects S.30°W.
- 62.60 American Telephone and Telegraph 14 wire line, bears N.50°35'E. and S.50°35'W.
- 64.30 Shallow branch draw, drains S.30°W.
- 73.20 Recross draw, drains S.30°E.
- 75.20 The W. end of low spur.
- 77.30 Recross draw, drains S.30°W.
- 80.00 on gradual SE. slope.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for cor. secs. 12 and 13, with brass cap marked

S14

T39S

S12

S13

R17W

1939

from which

A juniper, 14 ins. diameter, bears N.13°E., 35 links distant, marked T39S R17W S12 BT

A juniper, 5 ins. diameter, bears S.75°E., 62 links distant, marked S13 BT

Tree too scrubby for other marks.

Land, broken, with a general southwesterly exposure and drainage.

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, oak and black brush, and weeds.

Fair grazing land.

East, on random line, between sections 12 and 13.

40.00 Set temporary $\frac{1}{4}$ section corner.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

79.76 Intersect the corner of sections 12 and 13, T. 39 S., R. 17 W., on the E. boundary of the township, which is an iron post, 2 ins. diameter, set, marked, and witnessed, as described in the official record of the survey of T. 39 S., R. 16 W., Group 57, Utah.

Thence

West, on true line, between sections 12 and 13.

Ascend E. slope of broken bench land, through medium dense timber and undergrowth.

3.30 Bench spur, 50 ft. above corner, projects S.; descend gradual W. slope.

10.90 Top of W. rim of bench spur, bears NE. and SW.; descend NW. slope.

28.70 Slope changes from a gradual NW. slope to a gradual W. slope.

37.20 Low spur, projects S.80°W., 2.00 chains distant to end.

39.88 On spur, 400 ft. below top of bench.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$ $\frac{S12}{S13}$
1939

from which

A juniper, 10 ins. diameter, bears N.70°30'E., 134 links distant; marked $\frac{1}{4}$ S12 BT

A juniper, 8 ins. diameter, bears S.7°45'E., 36 links distant; marked $\frac{1}{4}$ S13 BT

47.20 Large main draw, 40 ft. below the $\frac{1}{4}$ section corner, drains S.40°W.; ascend SE. slope.

48.10 Four barbed wire Forest Service fence, bears N.40°E. and S.40°W.

57.50 American Telephone and Telegraph 14 wire line, bears N.49°31'E. and S.49°31'W.

62.00 Bench spur, 80 ft. above draw, projects S.30°W.; descend gradually.

70.20 Small draw, 80 ft. below spur, drains S.30°W.

73.70 Bench spur, 50 ft. above draw, projects S.30°W.; descend gradual NW. slope.

76.70 Draw, 50 ft. below spur, drains S.70°W.; ascend gradual SE. slope.

79.76 The corner of sections 12 and 13, 30 ft. above draw.

Land, rolling and broken, with a general southwesterly exposure and drainage.

Soil, shallow clay and gravel, with a rocky surface; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, oak and black brush, weeds and grass.

Fair grazing land.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

N.0°01'W., along the W. boundary of section 12.

Ascend gradually along rolling E. slope of mountainous land, through dense timber and undergrowth.

1.90 Point which is N.0°01'W., 80.00 chains distant from the corner of sections 14 and 23.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 11 and 14, with brass cap marked

T39S	
S11	
S14	S12
R17W	

1939

from which

A juniper, 12 ins. diameter, bears S.73°45'W., 36 links distant, marked T39S R17W S14 BT

A juniper, 14 ins. diameter, bears N.18°45'W., 71 links distant, marked T39S R17W S11 BT

17.00 Spur, 160 ft. above corner of sections 12 and 13, projects S.40°W.

23.10 Small depression, 40 ft. below spur, drains W.

28.40 Spur, 70 ft. above depression, slopes W.

36.00 Draw, 100 ft. below spur, drains S.40°W.; ascend gradual SE. slope.

40.00 On gradual SE. slope, 80 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ cor. of sec. 12, with brass cap marked $\frac{1}{4}$ S12

1939

from which

A juniper, 8 ins. diameter, bears N.53°E., 67 links distant, marked $\frac{1}{4}$ S12 BT

No other suitable bearing tree available.

41.90 On steep SE. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ cor. of sec. 11, with brass cap marked $\frac{1}{4}$ S11

1939

from which

A juniper, 10 ins. diameter, bears S.19°15'W., 52 links distant, marked $\frac{1}{4}$ S11 BTA juniper, 6 ins. diameter, bears N.6°15'W., 128 links distant, marked $\frac{1}{4}$ S11 BT45.30 Spur, 60 ft. above the $\frac{1}{4}$ section corner of section 12, projects SW.; descend NW. slope.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

- 53.30 Draw, 140 ft. below spur, drains SW.
 61.50 Spur, 140 ft. above draw, projects S.40°W.;
 descend NW. slope.
 73.80 Draw, 80 ft. below spur, drains W.; ascend S. slope.
 79.10 Small depression, drains SW.
 80.00 On S. slope, 60 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for corner of sections 1 and 12, with brass cap marked

S11	T39S
	S1
	S12
	R17W

1939

from which

A juniper, 8 ins. diameter, bears N.45°E., 52 links distant, marked T39S R17W S1 BT

A juniper, 8 ins. diameter, bears S.33°E., 5 links distant, marked T39S R17W S12 BT

Land, rolling and broken bench land, with a general southwesterly exposure and drainage.
 Soil, shallow clay and gravel, with a rocky surface; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, oak and black brush, and weeds.
 Fair grazing land.

East, on random line, between sections 1 and 12.

- 79.74 Intersect the E. boundary of the township, 5 links N. of the corner of sections 1 and 12, T. 39 S., R. 17 W., which is an iron post, 2 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 39 S., R. 16 W., Group 57, Utah.

Thence

N.89°58'W., on true line, between sections 1 and 12.

Ascend gradual ~~SE~~ slope of rolling and broken bench land, through medium dense timber and undergrowth.

- 5.00 Trail, bears N. and S.
 5.70 Ridge, 70 ft. above corner, bears N.30°W. and S.30°E.
 12.10 Draw, 140 ft. below ridge, drains SW.; ascend.
 17.00 Low spur, 120 ft. above draw, projects S.10°W.
 22.30 Small draw, 60 ft. below spur, drains S.10°W.
 25.90 Low spur, 50 ft. above draw, slopes S.; ascend along S. slope.
 31.80 Draw, 140 ft. below spur, drains S.40°E.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

- 39.40 Spur, 150 ft. above draw, projects S.10°E.; descend SW. slope.
- 39.87 On SW. slope.
Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked
 $\frac{1}{4}$ $\frac{S1}{S12}$
1939
raise a mound of stone, 3 ft. base, 2 ft. high, N. of corner.
- 44.10 Draw, 100 ft. below the $\frac{1}{4}$ section corner, drains S.10°W.
- 48.70 Spur, 100 ft. above draw, projects S.20°W.
- 55.50 Draw, 160 ft. below spur, drains S.20°W.
- 62.00 Spur, projects S.30°W.; continue ascent.
- 77.70 Small depression, near head, drains SW.
- 79.74 The corner of sections 1 and 12, 290 ft. below spur.

Land, rolling and broken.
Soil, shallow clay, gravel and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, black, service berry, and buck brush, and weeds.
Fair grazing land.

N.0°01'W., on true line, along the W. boundary of section 1.

Ascend gradual S. slope of rolling land, through dense timber and undergrowth.

- 1.90 Point which is N.0°01'W., 80.00 chains distant, from the corner of sections 11 and 14.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 2 and 11, with brass cap marked

T39S	
S2	
S11	S1
R17W	

1939

from which

A juniper, 8 ins. diameter, bears S.49°30'W., 43 links distant, marked T39S R17W S11 BT

A pinon, 6 ins. diameter, bears N.29°30'W., 48 links distant, marked T39S R17W S2 BT

- 9.50 Wide spur, 60 ft. above corner, projects SW.
- 18.70 Large draw, 160 ft. below spur, drains S.80°W.; ascend steep SW. slope.
- 25.90 Slope changes from a SW. slope to a W. slope.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

37.90 Top of ascent, 430 ft. above draw, on W. side of high peak; descend abrupt N. slope.

40.00 On abrupt N. slope, 180 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diameter, 5 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ cor. of sec. 1, with brass cap marked

$\frac{1}{4}$ S1

1939

from which

A pinon, 6 ins. diameter, bears S.85°E., 37 links distant, marked $\frac{1}{4}$ S1 BT

A pinon, 12 ins. diameter, bears S.51°E., 41 links distant, marked $\frac{1}{4}$ S1 BT

41.90 True point for the $\frac{1}{4}$ section corner of section 2, falls on unsafe ground, where it is impracticable to set a permanent corner.

42.44 On abrupt ledgy N. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 3 ins. in the ground to solid rock, and in a large mound of stone to top, for witness corner to the $\frac{1}{4}$ section corner of section 2, with brass cap marked

$\frac{1}{4}$ S2

WC

1939

from which

A pinon, 7 ins. diameter, bears N.30°W., 34 links distant, marked WC $\frac{1}{4}$ S2 BT

No other suitable bearing tree available.

45.30 Bottom of Gardner Wash, 160 ft. below the $\frac{1}{4}$ section corner of section 1, drains S.80°W. about 3 chains distant, thence SW.; ascend along rolling, broken E. slope.

54.60 Spur, 330 ft. above draw, projects S.60°E.

62.40 Depression, 60 ft. below spur, drains S.60°E.

65.40 Spur, 60 ft. above depression, drains S.60°E.

68.10 Depression, 70 ft. below spur, drains S.60°E.

72.90 Spur, 200 ft. above depression, projects S.60°E.

75.10 Intersect the S. boundary of T. 38 S., R. 17 W., E. 3.22 chains from the corner of sections 1, 2, 35, and 36, which is an iron post, 3 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 38 S., R. 17 W., Group 14, Utah.

I efface the marks on the corner monument and bearing trees that pertain to sections 1 and 2, T. 39 S., R. 17 W., and at point of intersection, on steep N. slope, 70 ft. below spur,

Set an iron post, 3 ft. long, 2 ins. diameter, 12 ins.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

in the ground to solid rock, and in a large mound of stone to top, for closing corner of sections 1 and 2, T. 39 S., R. 17 W., with brass cap marked

T38S R17W	
S36	

S2	S1
T39S	R17W
C C	
1939	

from which

A pinon, 7 ins. diameter, bears S.44°30'E., 36 links distant, marked T39S R17W S1 CC BT

A pinon, 8 ins. diameter, bears S.68°30'W., 31 links distant, marked T39S R17W S2 CC BT

Land, broken and mountainous.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, rose, service berry, and buck brush and weeds.

Fair grazing land.

From the true point for the corner of sections 22, 23, 26, and 27, which is E. 30 links distant from the witness corner to the corner of said sections, heretofore described.

N.0°01'W., between sections 22 and 23.

Along bottom of Cove Wash.

- 5.00 Leave Cove Wash, drains S. from the NW.; ascend steep SW. slope of rolling land, through scattered timber and undergrowth.
- 8.90 Top of low rise, slopes W.
- 21.70 Deep, short ravine, at head, drains S.60°W., about 5.00 chains distant to its junction with Cove Wash.
- 40.00 At SW. edge of bench land, 450 ft. above the true point for section corner, bears N.30°W. and S.30°E.
- Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$	
S22 S23	
1939	

from which

A juniper, 8 ins. diameter, bears S.53°45'E., 154 links distant, marked $\frac{1}{4}$ S23 BT

A juniper limb, 6 ins. diameter, bears N.48°W., 472 links distant, marked $\frac{1}{4}$ S22 BT

Thence ascend gradually over rolling top of bench.

- 52.10 Top of ascent on NE. rim of bench, 50 ft. above the $\frac{1}{4}$ section corner, bears NW. and SE.; descend abrupt NE. slope.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

72.50 Draw, 260 ft. below rim of bench, drains S.70°E.; ascend S. slope.

80.00 On NW. slope of low hill, 70 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for corner of sections 14, 15, 22, and 23, with brass cap marked

T39S	R17W
S15	S14
S22	S23

1939

from which

▲ juniper, 10 ins. diameter, bears N.61°45'E., 61 links distant, marked T39S R17W S14 BT

▲ juniper, 7 ins. diameter, bears S.65°30'E., 62 links distant, marked T39S R17W S23 BT

▲ juniper, 5 ins. diameter, bears S.28°45'W., 50 links distant, marked S22 BT

▲ juniper, 5 ins. diameter, bears N.67°15'W., 52 links distant, marked T39S R17W S15 BT

Land, rolling and mountainous.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, service berry, oak and buck brush and weeds.

Fair grazing land.

East, on random line, between sections 14 and 23, for distance only.

40.00 Set temporary section corner.

79.98 Intersect the corner of sections 14 and 23, which is N.0°01'W., 1.90 chains distant from the corner of sections 13 and 24.

Thence, from the corner of sections 14, 15, 22, and 23.

East, on true line, between sections 14 and 23.

Ascend gradual NW. slope of lone hill, through medium dense timber and undergrowth.

2.30 Top of ascent on N. slope of hill, 30 ft. above corner; descend abrupt NE. slope.

4.00 From this point a U. S. Reclamation Service bench mark bears N.51°15'E., about 29.00 chains distant. Bench mark is a brass tablet, set in large boulder, and in line with the poles of the American Telephone and Telegraph line.

18.70 Top of W. bank of Moody Wash, 50 ft. high, and 200 ft. below top of ascent on hill, bears N. and S.; thence across bottom of wash, which drains S.

26.70 Four wire Forest Service fence, bears N. and S.

27.00 Moody Creek, small stream of good water in bottom of wash, flows S.; ascend W. slope, over bottom lands of wash.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

- 30.20 Unimproved road, on E. side of bottom lands of Moody Wash bears N. and S.; ascend W. slope.
- 38.60 Spur, 180 ft. above stream, projects S.; descend SE. slope
- 39.99 On SE. slope, 30 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$ $\frac{S14}{S23}$
 1939

from which

- A juniper, 10 ins. diameter, bears S.13°30'E., 13 links distant, marked $\frac{1}{4}$ S23 BT
- A juniper, 9 ins. diameter, bears N.68°30'W., 18 links distant, marked $\frac{1}{4}$ S14 BT
- 41.20 Small swale, drains S.30°E.
- 43.10 Low spur, slopes S.; thence descend along S. slope.
- 50.00 Large draw, 90 ft. below the $\frac{1}{4}$ section corner, drains S. 30°W.; ascend along N. slope.
- 61.10 Slope changes from a N. slope to a NW. slope.
- 66.60 Slope changes from a NW. slope to a W. slope.
- 74.00 Bench spur, 140 ft. above large draw, slopes SW.; descend E. slope.
- 79.20 Draw, 30 ft. below spur, drains SW.
- 79.98 The corner of sections 14 and 23.

Land, rolling and broken, with a general southwesterly exposure and drainage.
 Soil, shallow clay, gravel and rock; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, black, rose, oak, service berry, and buck brush.
 Fair grazing land.

October 5, 1939: stationed at the corner of sections 14, 15, 22, and 23, in approximate latitude 37°23'N., longitude 113°44'W., at 7h 51.9m a.m., correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a tree about 3 miles to the N., in a westerly direction to the star.

Local mean time of observation, - - - - 7h 17.0m a.m.
 Mean horizontal deflection angle from tree to star, - - - - - 1° 16' W.
 Azimuth of Polaris, - - - - - 1° 17' W.
 True bearing to tree, - - - - - N. 0°01' W.

Thence, from the above corner.

N.0°01'W., between sections 14 and 15.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

Descend gradual NW. slope of rolling, mountainous land, through medium dense timber and undergrowth.

3.50 American Telephone and Telegraph 14 wire line, bears N.47°35'E. and S.47°35'W.

6.20 Small draw, 120 ft. below corner, drains N.80°E.; Ascend rolling S. slope.

13.20 Small, short ravine, near head, drains S.70°E.

14.90 Low spur, projects E.

16.00 Small ravine, near head, drains SE.

25.66 Spur, 120 ft. above the draw, at the 6.20 chains point, projects S.50°E. From this point a United States Reclamation bench mark, bears S.74°06'E. For intersecting bearing, see that given on line between sections 14 and 23.

31.60 From this point the center of a corral, bears S.54°15'E., about 24.00 chains distant. Descend gradual NE. and N. slopes.

31.80 Low spur, projects N.70°E.

38.90 Small draw, drains SE.

40.00 On gradual SW. slope, 30 ft. below the spur at the 25.66 chains point.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for 1/4 section corner, with brass cap marked



from which

A juniper, 6 ins. diameter, bears S.70°15'E., 23 links distant, marked 1/4 S14 BT

A juniper, 12 ins. diameter, bears S.65°15'W., 12 links distant, marked 1/4 S15 BT

44.80 Spur, 80 ft. above the 1/4 section corner, projects E.; descend over rolling N. slope.

59.50 Small draw, drains N.80°E.

61.40 Low spur, projects E.

62.50 Small depression, drains S.60°E.

64.80 Slope changes from a N. slope to a NE. slope.

76.10 Draw, 320 ft. below the spur, at the 44.80 chains point, drains S.60°E.; ascend S. slope.

80.00 On steep S. slope, 80 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diameter, 14 ins. in the ground to solid rock, and in a large mound of stone to top, for corner of sections 10, 11, 14, and 15, with brass cap marked

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

T39S	R17W
S10	S11
S15	S14

1939

from which

- A juniper, 8 ins. diameter, bears N.32°E., 23 links distant, marked T39S R17W S11 BT
- A juniper, 6 ins. diameter, bears S.52°30'E., 86 links distant, marked S14 BT
- A juniper, 6 ins. diameter, bears S.32°30'W., 26 links distant, marked T39S R17W S15 BT
- A juniper, 10 ins. diameter, bears N.67°W., 61 links distant, marked T39S R17W S10 BT

Land, rolling and mountainous.
 Soil, shallow clay, gravel and rock; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, black, rose, oak, and service berry brush.
 Fair grazing land.

East, on random line, between sections 11 and 14.

40.00 Set temporary $\frac{1}{4}$ section corner.

80.06 Intersect the corner of sections 11 and 14.
 Thence:

West, on true line, between sections 11 and 14.

Ascend gradual SE. slope of rolling, mountainous land, through dense timber and undergrowth.

6.60 Spur, 80 ft. above corner, projects S.30°W.

12.00 Draw, 110 ft. below spur, drains S.30°W.

16.40 Spur, 50 ft. above draw, slopes off to the S.; continue ascent.

24.30 Spur, 170 ft. above draw, projects S.30°W.

28.80 Spur, 20 ft. below last spur, projects S.50°W.; descend steep SW. slope.

39.70 Draw, 220 ft. below spur, drains N.70°W.; ascend NE. slope.

40.03 On NE. slope, 10 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 22 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked.

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

1939

from which

- A juniper, 10 ins. diameter, bears S.48°W., 18 links distant, marked $\frac{1}{4}$ S14 BT

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

A juniper, 10 ins. diameter, bears N.26°W., 25 links distant, marked $\frac{1}{4}$ S11 BT

- 42.50 Begin descent over SW. slope, 20 ft. above corner.
 43.00 The N. edge of large, yellow scar in the hillside.
 56.00 Draw, 160 ft. below top of descent, drains S.60°W.; ascend SE. slope.
 62.00 Low spur, 20 ft. above draw, projects S.
 63.70 Top of E. bank of Moody Wash, 100 ft. high, and 20 ft. below spur, bears N. and S.
 66.00 Small stream of good water in bottom of Moody Wash, flows S.
 68.30 Top of W. bank of Moody Wash, 100 ft. high, bears N. and S.; ascend SE. slope.
 80.06 The corner of sections 10, 11, 14, and 15, 250 ft. above stream.

Land, broken and rolling.
 Soil, shallow clay, sand, gravel and rock; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, black, oak, rose and service berry brush.
 Fair grazing land.

N.0°01'W., between sections 10 and 11.

Ascend S. slope of broken, mountainous land, through dense timber and undergrowth.

- 3.20 Slope changes from a S. slope to an E. slope.
 15.10 Top of ascent on E. slope, 140 ft. above corner, bears E. and W.; descend gradual NE. slope.
 23.80 Short, deep ravine, drains E. about 5.00 chains distant to its junction with Moody Wash.
 37.80 Draw, 180 ft. below top of ascent, drains N.70°E.; ascend abrupt S. slope.
 40.00 On abrupt S. slope, 40 ft. above draw.
 Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
 S10 | S11
 1939

from which

A juniper, 6 ins. diameter, bears N.12°15'E., 63 links distant, marked $\frac{1}{4}$ S11 BT

A juniper, 6 ins. diameter, bears N.54°30'W., 29 links distant, marked $\frac{1}{4}$ S10 BT

- 53.10 Spur, 100 ft. above the $\frac{1}{4}$ section corner, projects E.
 56.90 Ravine, 100 ft. below spur, drains E. 1.00 chains distant to Moody Wash.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

67.90 Draw, drains S.70°E. about 4.00 chains distant to Moody Wash.

80.00 On SE. slope.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone, for corner of sections 2, 3, 10, and 11, with brass cap marked

T39S	R17W
S3	S2
S10	S11
1939	

from which.

A juniper, 4 ins. diameter, bears N.28°45'E., 35 links distant, marked T39S R17W S2 BT

A juniper, 6 ins. diameter, bears S.38°15'E., 80 links distant, marked T39S R17W S11 BT

A juniper, 8 ins. diameter, bears S.23°W., 49 links distant, marked T39S R17W S10 BT

A juniper, 3 ins. diameter, bears N.40°30'W., 42 links distant, marked BT

Land, broken and mountainous.

Soil, shallow clay, rock and gravel; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, oak, service berry, black and buck brush.

Fair grazing land.

East, on random line, between sections 2 and 11.

40.00 Set temporary 1/4 section corner.

79.96 Intersect the N. and S. line, 2 links S. of the corner of sections 2 and 11.

Thence

S.89°59'W., on true line, between sections 2 and 11.

Ascend along S. slope of broken, mountainous land, through dense timber and undergrowth.

2.70 Spur, 20 ft. above corner, slopes S.; descend W. slope.

20.30 Small stream of water in bottom of Gardner Wash, 180 ft. below spur, flows S.40°W.; cottonwood trees and wild grape vines along bottom lands of wash.

31.90 Wide swale, drains S.

36.10 Low spur, projects S.10°W.

36.80 Small depression, drains S.30°W.

39.98 On SE. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for 1/4 section corner, with brass cap marked

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

$$\frac{1}{4} \frac{S2}{S11}$$
 1939

from which

A juniper, 6 ins. diameter, bears N.54°E., 53 links distant, marked $\frac{1}{4}$ S2 BT

A juniper, 6 ins. diameter, bears S.89°15'E., 40 links distant, marked $\frac{1}{4}$ S11 BT

- 43.10 Top of low spur, projects S.; descend gradually along S. slope.
- 63.00 The N. edge of a rocky conglomerate formation.
- 67.30 Small draw, drains S.70°E.
- 70.90 Low spur, slopes S., 2.00 chains distant to end.
- 74.60 Small stream of water in bottom of Moody Wash, flows S.
- 79.96 The corner of sections 2, 3, 10, and 11.
- Land, rolling, with a general southerly exposure and drainage.
Soil, shallow clay and gravel, with a rocky surface; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, black, buck and service berry brush.
Fair grazing land.
-
- N.0°01'W., on true line, between sections 2 and 3.
- Ascend gradual SE. slope of broken, mountainous land, through scattered timber and undergrowth.
- 1.30 Spur, 20 ft. above corner, slopes E.; descend gradual NE. slope.
- 3.90 Top of S. rim of Moody Wash, a vertical ledge, 100 ft. high, bears N.30°W. and S.30°E.
- 7.20 Small stream of water in bottom of Moody Wash, 140 ft. below spur, flows S.30°E.
- 12.70 Top of N. rim of Moody Wash, 200 ft. high, bears N.30°W. and S.30°E.; ascend gradually.
- 13.50 Spur, 270 ft. above stream, projects W. 75 links distant to end; descend NW. slope.
- 20.00 Gulch, near head, 100 ft. below spur, drains S.70°W.; ascend SW. slope.
- 33.60 Spur, 200 ft. above gulch, projects W.; descend NW. slope.
- 37.80 Small draw, 100 ft. below spur, drains S.80°W.; ascend S. slope.
- 40.00 On steep S. slope, 50 ft. above draw.
- Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

$$\frac{1}{4}$$

S3	S2
1939	

from which

A juniper, 10 ins. diameter, bears S.70°E., 91 links distant, marked $\frac{1}{4}$ S2 BT

A juniper, 4 ins. diameter, bears S.74°15'W., 46 links distant, marked $\frac{1}{4}$ S3 BT

- 42.40 Top of E. slope of hill, slopes off to the E.; ascend steep SE. slope.
- 48.10 Spur, 150 ft. above the $\frac{1}{4}$ section corner, projects SW., about 4.00 chains distant to round hill; low saddle in spur, about 2.00 chains to the SW. of line; descend along W. slope.
- 57.90 Draw, 60 ft. below spur, drains W.; ascend steep S. slope, through medium dense timber.
- 73.40 Intersect the N. boundary of the township E. 3.19 chains distant from the corner originally set for sections 2, 3, 34, and 35, an iron post, 3 ins. diameter, set, marked, and witnessed, as described in the official record of the survey of T. 38 S., R. 17 W., Group 14, Utah. I efface the marks on the corner monument that pertain to sections 2 and 3, T. 39 S., R. 17 W.

At point of intersection, on steep SW. slope, 550 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for closing corner of sections 2 and 3, T. 39 S., R. 17 W., with brass cap marked

T38S R17W	
S35	

S3	S2
T39S R17W	
CC	
1939	

from which

A juniper, 3 ins. diameter, bears N.19°30'E., 34 links distant, marked CC BT

No other bearing trees available.

Land, broken and rolling.
 Soil, shallow clay, gravel and rock; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, black, oak, rose, buck and service berry brush.
 Fair grazing land.

From the corner of sections 33 and 34, on the S. boundary of the township, heretofore described.

N.0°02'W., between sections 33 and 34.

Descend gradually over rolling land, through scattered timber and dense undergrowth.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

- 9.50 Small draw, 60 ft. below corner, drains S.30°E.; ascend gradual S. slope.
- 14.00 Bench spur, 90 ft. above draw, projects S.30°E.
- 20.80 Small draw, 100 ft. below spur, drains S.30°E.
- 27.90 Spur, 110 ft. above draw, projects S.30°E.
- 40.00 On E. slope, 30 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diameter, 24 ins. in the ground, and in a mound of stone, for $\frac{1}{4}$ section corner, with brass cap marked
- | | |
|------|-----|
| ↓ | |
| S33 | S34 |
| 1939 | |
- from which
- A juniper, 8 ins. diameter, bears N.88°45'E., 78 links distant, marked $\frac{1}{4}$ S34 BT
- A juniper, 8 ins. diameter, bears N.50°30'W., 45 links distant, marked $\frac{1}{4}$ S33 BT
- Thence through dense timber, bears E. and W.
- 50.40 Draw, 20 ft. below the $\frac{1}{4}$ section corner, drains S.10°E.
- 69.00 Unimproved road, bears N.30°W. to Cedar Springs, and S.30°E., to Veyo, Utah, at SW. edge of bench, bears with road; ascend gradually along top of bench.
- 69.20 Raise a mound of stone, 3 ft. base, 2 ft. high, on line at the N. edge of road.
- 80.00 On rolling top of wide bench, 120 ft. above draw.
- Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a mound of stone to top, for corner of sections 27, 28, 33, and 34, with brass cap marked
- | | |
|------|------|
| T39S | R17W |
| S28 | S27 |
| S33 | S34 |
| 1939 | |
- from which
- A juniper, 7 ins. diameter, bears S.17°15'E., 135 links distant, marked T39S R17W S34 BT
- A juniper, 7 ins. diameter, bears S.75°30'W., 111 links distant, marked T39S R17W S33 BT
- A juniper, 5 ins. diameter, bears N.64°15'W., 95 links distant, marked T39S R17W S28 BT
- No bearing tree in section 27 available.
- Land, rolling, with a general southeasterly exposure and drainage.
- Soil, shallow clay, gravel and rock; 4th rate.
- Timber, juniper and pinon.
- Undergrowth, sage and black brush and weeds.
- Fair grazing land.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

East, on random line, between sections 27 and 34.

40.00 Set temporary $\frac{1}{4}$ section corner.

73.74 Intersect the N. and S. line, 7 links S. of the corner of sections 26, 27, 34, and 35.

Thence

S.89°57'W., on true line, between sections 27 and 34.

Descend gradual SW. slope of rolling, mountainous land, through scattered timber and dense undergrowth.

4.70 Small draw, drains S.10°E.

10.90 Bottom of Lanera Wash, 50 ft. below corner, drains S.10°E. about 3.00 chains distant, thence SE.; ascend NE. slope.

29.20 Bench spur, 210 ft. above wash, projects SE.; low saddle in spur, about 3.00 chains to the NW. of line; thence along S. slope.

34.70 Small depression, near head, drains S.10°E.

39.37 On general S. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$ S27
S34
1939

from which

A juniper, 9 ins. diameter, bears S.33°W., 89 links distant, marked $\frac{1}{4}$ S34 BT

A juniper, 6 ins. diameter, bears N.56°30'W., 40 links distant, marked $\frac{1}{4}$ S27 BT

41.00 Low spur, slopes off to the SE.; ascend gradually.

43.70 Large, shallow draw, drains SE.

55.00 Bench spur, 140 ft. above the $\frac{1}{4}$ section corner, projects SE.; descend gradually.

73.00 Large draw, 110 ft. below spur, drains SE.; ascend gradual E. slope.

79.74 The corner of sections 27, 28, 33, and 34, 140 ft. above draw.

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

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, and bitter brush.

Fair grazing land.

N.0°02'W., between sections 27 and 28.

Over rolling, mountainous land, through scattered timber and dense undergrowth.

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Chains

- 15.60 Large draw, 80 ft. below corner, drains SE.
 24.20 Bench spur, 50 ft. above draw, projects S.50°E.
 28.70 Draw, at head, 20 ft. below spur, drains S.60°E.
 35.30 Spur, 40 ft. above draw, projects SE.
 40.00 On N. slope at S. edge of bottom of draw.

Set an iron post, 3 ft. long, 1 in. diameter, 18 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
 S28 | S27
 1939

from which

A juniper, 3 ins. diameter, bears N.54°E., 82 links distant, marked $\frac{1}{4}$ S27 BT

A juniper, 10 ins. diameter, bears N.78°45'W., 111 links distant, marked $\frac{1}{4}$ S28 BT

- 42.50 Small draw, 50 ft. below corner, drains S.30°E.
 42.70 American Telephone and Telegraph 14 wire line, bears N.36°34'E. and S.36°34'W.
 48.10 Bench spur, 40 ft. above draw, projects S.30°E.
 65.60 Cedar Spring Wash, 140 ft. below spur, drains S.85°E.
 71.20 Low spur, 40 ft. above draw, projects SE.
 78.00 Forest Service 4 wire drift fence, bears S.89°E. and N.89°W.
 79.30 Bottom of Manera Wash, drains E.
 80.00 On N. bank of Manera Wash, 40 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 21, 22, 27, and 28, with brass cap marked

T39S | R17W
 S21 | S22

 S28 | S27
 1939

from which

- A juniper, 20 ins. diameter, bears N.36°30'E., 35 links distant, marked T39S R17W S22 BT
 A juniper, 20 ins. diameter, bears S.58°E., 108 links distant, marked T39S R17W S27 BT
 A juniper, 6 ins. diameter, bears S.51°45'W., 129 links distant, marked S28 BT
 A juniper, 10 ins. diameter, bears N.34°30'W., 80 links distant, marked T39S R17W S21 BT

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

Soil, shallow clay, gravel and rock; 4th rate.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

Timber, juniper and pinon.
Undergrowth, sage, black and rose brush.
Fair grazing land.

N.89°57'E., on random line, between sections 22 and 27.

40.00 Set temporary $\frac{1}{4}$ section corner.

79.80 Intersect the N. and S. line, 7 links N. of the true point for the corner of sections 22, 23, 26, and 27, which is E. 30 links distant from the witness corner to the corner of said sections.

Thence, from the true point for corner.

West, on true line, between sections 22 and 27.

Ascend gradual NE. slope of rolling bench land, through medium dense timber and undergrowth. Line follows along the N. side of fence bearing easterly and westerly.

0.30 The witness corner to the corner of sections 22, 23, 26, and 27.

17.20 Top of E. edge of bench spur, 350 ft. above corner, bears N.25°W. and S.25°E.; thence over rolling top of spur, projecting S.25°E.

21.00 Improved road, bears N.22°30'W. to the Enterprise Reservoir, and S.22°15'E. about 2.00 chains, thence S. 33°E. to Veyo, Utah.

24.20 Top of W. edge of bench spur, bears N.25°W. and S.25°E.

29.00 Draw, 40 ft. below top of spur, drains S.20°E.

39.90 On gradual SE. slope, 100 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

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

1939

from which

A juniper, 3 ins. diameter, bears S.79°E., 113 links distant, marked BT

A juniper, 8 ins. diameter, bears N.60°W., 68 links distant, marked $\frac{1}{4}$ S22 BT

46.00 Bench spur, 10 ft. above corner, projects SE.

52.20 American Telephone and Telegraph 14 wire line, bears N.36°34'E. and S.36°34'W.

56.60 Draw, 110 ft. below spur, drains S.30°E.

71.00 Spur, 50 ft. above draw, projects SE.

79.80 The corner of sections 21, 22, 27, and 28, 140 ft. below spur.

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

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Chains

Soil, clay and gravel; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, black and rose brush.
 Fair grazing land.

N.0°02'W., between sections 21 and 22.

Ascend gradual SW. slope of rolling bench land, through medium dense timber and undergrowth.

- 15.50 Top of W. rim of bench spur, bears N.50°W. and S.50°E.; thence ascend gradual SE. slope.
- 29.60 Top of gradual descent over NE. slope, 140 ft. above corner.
- 37.70 Draw, near head, 70 ft. below top of ascent, drains S.30°E.; ascend SE. slope.
- 40.00 On steep SE. slope, 60 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
 S21 | S22
 1939

from which

A juniper, 6 ins. diameter, bears S.49°30'E., 35 links distant, marked $\frac{1}{4}$ S22 BT

A juniper, 5 ins. diameter, bears N.32°15'W., 52 links distant, marked $\frac{1}{4}$ S21 BT

Thence ascend gradually over bench land.

- 68.10 Top of ascent on bench, 240 ft. above corner, bears NW. and SE.; descend gradual NE. slope.
- 80.00 On gradual NE. slope, 40 ft. below top of ascent.

Set an iron post, 3 ft. long, 2 ins. diameter, 22 ins. in the ground, to solid rock, and in a large mound of stone to top, for corner of sections 15, 16, 21, and 22, with brass cap marked

T39S | R17W
 S16 | S15

 S21 | S22
 1939

from which

A juniper, 3 ins. diameter, bears N.64°30'E., 109 links distant, marked S15 BT

A juniper, 20 ins. diameter, bears S.49°E., 174 links distant, marked T39S R17W S22 BT

A juniper, 8 ins. diameter, bears S.18°30'W., 140 links distant, marked T39S R17W S21 BT

No bearing tree available in section 16.

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Chains

Land, rolling, with a general southeasterly exposure and drainage.
Soil, shallow clay and gravel; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, black, buck, rose and bitter brush.
Fair grazing land.

East, on random line, between sections 15 and 22.

- 40.00 Set temporary $\frac{1}{4}$ section corner.
- 79.82 Intersect the N. and S. line, 14 links S. of the corner of sections 14, 15, 22, and 23.
- Thence
- S.89°54'W., on true line, between sections 15 and 22.
- Descend gradual NW. slope of rolling, mountainous land, through medium dense timber and undergrowth.
- 4.00 American Telephone and Telegraph 14 wire line, bears S.47°35'W., and N.47°35'E., in shallow draw, 10 ft. below corner, drains NE.; ascend NE. slope.
- 10.30 Low ridge, 40 ft. above draw, bears N.10°W. and S.10°E.
- 22.00 Small stream, in bottom of Cove Wash, 120 ft. below ridge, flows S.10°E.
- 31.00 Low spur, projects SE.
- 36.70 Shallow draw, drains S.40°E.
- 39.91 On E. slope, 140 ft. above Cove Wash.
- Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked
- | | |
|---------------|------------|
| $\frac{1}{4}$ | <u>S15</u> |
| | S22 |
| | 1939 |
- from which
- A juniper, 6 ins. diameter, bears N.10°E., 20 links distant, marked $\frac{1}{4}$ S15 BT
- A juniper, 6 ins. diameter, bears S.71°E., 71 links distant, marked $\frac{1}{4}$ S22 BT
- 45.10 Low spur, slopes off to the SE.
- 49.80 Small ravine, near head, drains S.30°E.
- 53.00 Spur, 60 ft. above ravine, projects S.50°E.
- 58.60 Deep gulch, 110 ft. below spur, drains SE.
- 71.70 Improved Forest Service road, bears S. about 2.00 chains distant, thence SE. to Veyo, Utah, and N.10°E. about 5.00 chains distant, thence NW. to Enterprise Reservoir.
- 73.80 Ridge, 220 ft. above the $\frac{1}{4}$ section corner, bears N. and S.
- 78.80 Small swale, drains SE.

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Chains

79.82 The corner of sections 15, 16, 21, and 22, 10 ft. below ridge.

Land, rolling and mountainous.
Soil, clay and gravel; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, black, rose, crab, manzanita, and buck brush.
Fair grazing land.

N.0°02'W., between sections 15 and 16.

Descend along W. slope of broken, mountainous land, through scattered timber and undergrowth.

12.60 Swale, 70 ft. below corner, drains SW.

14.30 Improved Forest Service road, bears NW. to Enterprise Reservoir, and SE. to Veyo, Utah.

18.10 Small spur, 100 ft. above swale, slopes off to the E.

30.20 Draw, 20 ft. below spur, drains S.30°E.; ascend rolling S. slope.

35.90 Small depression, drains S.30°E.

40.00 On steep S. slope, 230 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S16 | S15
1939

from which

A juniper, 5 ins. diameter, bears S.25°E., 18 links distant, marked $\frac{1}{4}$ S15 BT

A juniper, 10 ins. diameter, bears N.86°30'W., 86 links distant, marked $\frac{1}{4}$ S16 BT

51.40 Top of ascent on flat topped ridge, 200 ft. above the $\frac{1}{4}$ section corner, bears N.70°W. and S.70°E.; descend N. slope.

57.40 Draw, 100 ft. below ridge, drains N.80°E.

59.40 Low spur, 40 ft. above draw, projects N.70°E.

64.28 Short, deep draw, 140 ft. below spur, drains NE.

74.30 Low rise, slopes NE.

79.70 Deep, short ravine, near head, 40 ft. below rise, drains NE.

80.00 True point for the corner of sections 9, 10, 15, and 16, falls on abrupt E. slope, 300 ft. below the spur, at the 59.40 chains point, where it is impossible to set a corner.

80.50 On E. slope of short spur, slopes E.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

the ground, for witness corner to the corner of sections 9, 10, 15, and 16, with brass cap marked.

T39S	R17W
S9	S10
S16	S15
WC	
1939	

from which

A juniper, 8 ins. diameter, bears N.62°E., 200 links distant, marked WC T39S R17W S10 BT

A juniper, 8 ins. diameter, bears S.33°30'E., 117 links distant, marked WC T39S R17W S15 BT

A juniper, 14 ins. diameter, bears S.5°W., 223 links distant, marked WC T39S R17W S16 BT

No suitable bearing tree in section 9 available.

Land, broken and mountainous.

Soil, shallow clay and gravel, with a rocky surface; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, oak, service berry, bitter and buck brush.

Fair grazing land.

From the true point for the corner of sections 9, 10, 15, and 16.

N.89°54'E., on random line, between sections 10 and 15.

40.00 Set temporary $\frac{1}{4}$ section corner.

79.86 Intersect the N. and S. line, 2 links N. of the corner of sections 10, 11, 14, and 15.

Thence

S.89°55'W., on true line, between sections 10 and 15.

Ascend gradually along S. and E. slopes of rolling, mountainous land, through scattered timber and dense undergrowth.

12.40 Small draw, drains SE.

30.40 Ascend gradual E. slope.

39.70 Top of ridge, 390 ft. above corner, bears N.30°W. and S.30°E.; descend abrupt W. slope.

39.93 On abrupt W. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 18 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$	S10
	S15
1939	

from which

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

A juniper, 5 ins. diameter, bears S.16°W., 20 links distant, marked $\frac{1}{4}$ S15 BT

A juniper, 6 ins. diameter, bears N.9°W., 42 links distant, marked $\frac{1}{4}$ S10 BT

54.30 Spur, 140 ft. below the $\frac{1}{4}$ section corner, projects S.20°W., about 3.00 chains distant to end.

60.10 Draw, 100 ft. below spur, drains S. about 1.00 chain distant to its junction with Cove Wash.

75.40 Small stream in bottom of Cove Wash, 110 ft. below spur, flows SE.

79.50 Short, deep ravine, drains NE.

79.86 The true point for the corner of sections 9, 10, 15, and 16, 40 ft. above stream, which is S.0°02'E. 50 links distant from the witness corner to the corner of said sections.

Land, broken and mountainous.

Soil, shallow clay and gravel; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, oak, service berry, bitter, buck and crab brush.

Fair grazing land.

From the true point for the corner of sections 9, 10, 15, and 16.

N.0°02'W., between sections 9 and 10.

Ascend gradual SE. slope of broken, mountainous land, through scattered timber and undergrowth.

0.50 The witness corner to the corner of sections 9, 10, 15, and 16, on low spur, slopes off to the E.

2.90 Cove Wash, 40 ft. below witness corner, drains SE.; intermittent seeps of water along bottom of wash; ascend steep brush S. slope.

28.00 Small spur, slopes SE.; continue ascent.

29.60 Draw, near head, drains SE.

40.00 True point for the $\frac{1}{4}$ section corner falls on steep slope of surface rock, where it is impracticable to set a corner.

40.50 On steep S. slope of surface rock, 700 ft. above Cove Wash, mark a cross (X) over which

Set an iron post, 3 ft. long, 1 in. diameter, in a large mound of stone to top, for witness corner to the $\frac{1}{4}$ section corner of sections 9 and 10, with brass cap marked

$\frac{1}{4}$
S9 | S10
WC
1939

No bearing trees available.

44.20 The SW. point of spur; ascend steep SW. slope.

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Chains

- 48.50 Top of high divide ridge, 330 ft. above corner, bears N.70°W. and S.80°E.; descend steep, brushy NE. slope.
- 56.20 Small spur, 160 ft. below ridge, projects N.40°E.
- 63.70 Small draw, 300 ft. below spur, drains NE.
- 65.80 Small spur, projects N.30°E. 4.00 chains distant to end.
- 73.60 Short draw, drains N.30°E.
- 77.50 Small spur, slopes off to the NE.
- 80.00 True point for the corner of sections 3, 4, 9, and 10, falls on eroded N. slope, where it is impracticable to set a corner.
- 80.50 On steep N. slope, 740 ft. below ridge.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for witness corner to the corner of sections 3, 4, 9, and 10, with brass cap marked

T39S	R17W
S4	S3
S9	S10
WC	
1939	

from which

A pinon, 10 ins. diameter, bears N9°E., 191 links distant, marked WC T39S R17W S3 BT

A pinon, 14 ins. diameter, bears S.72°15'E., 140 links distant, marked WC T39S R17W S3 BT

A pinon, 6 ins. diameter, bears S.86°15'W., 53 links distant, marked WC T39S R17W S4 BT

A juniper, 4 ins. diameter, bears N.27°30'W., 191 links distant, marked S4 BT

Land, broken and mountainous.

Soil, shallow clay and gravel, with a rocky surface; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, bitter, crab and buck brush.

Fair grazing land.

From the true point for the corner of sections 3, 4, 9, and 10.

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

40.00 Set temporary $\frac{1}{4}$ section corner.

79.88 Intersect the N. and S. line, 2 links N. of the corner of sections 2, 3, 10, and 11.

Thence

S.89°56'W., on true line, between sections 3 and 10.

Ascend gradual SE. slope of broken, mountainous land, through scattered timber and dense undergrowth.

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Chains

- 8.30 Spur, 90 ft. above corner, projects N.80°E.; ascend gradually along N. slope.
- 24.60 Large, shallow draw, drains N.70°E.
- 37.00 Short ravine, drains S., 50 links distant, to junction with ravine.
- 39.94 On steep S. slope, 290 ft. above section corner.
Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked
- $\frac{1}{4}$ $\frac{S3}{S10}$
1939
- from which
- A pinon, 12 ins. diameter, bears N.33°E., 116 links distant, marked $\frac{1}{4}$ S3 BT
- A pinon, 5 ins. diameter, bears S.63°E., 48 links distant, marked $\frac{1}{4}$ S10 BT
- 44.20 Slope changes from a S. slope to a SW. slope.
- 48.40 Short, deep ravine, drains S., about 1.50 chains distant to junction with draw, draining easterly.
- 55.50 Spur, 140 ft. above the $\frac{1}{4}$ section corner, slopes off to the S.
- 73.90 Recross draw, 40 ft. below spur, drains S.60°E.; ascend along N. slope.
- 76.80 Small draw, drains N. 1.00 chain distant to main draw.
- 79.88 The true point for the corner of sections 3, 4, 9, and 10, 90 ft. above main draw.
- Land, rolling and broken.
Soil, shallow clay and gravel; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, black, service berry, oak, and bitter brush.
Fair grazing land.
-
- From the true point for the corner of sections 3, 4, 9, and 10.
- N.0°02'W., on true line, between sections 3 and 4.
- Descend abrupt N. slope of broken, mountainous land, through scattered timber and undergrowth.
- 0.50 The witness corner to the corner of sections 3, 4, 9, and 10.
- 1.20 Draw, 30 ft. below true point for corner, drains S.80°E.; ascend steep, brushy S. slope.
- 11.80 Spur, slopes SE.; continue ascent over SE. slope.
- 23.00 Slope changes from a SE. slope to a S. slope.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

- 32.90 Top of high ridge, 680 ft. above draw, bears N.55°W. and S.55°E.; descend abrupt N. slope.
- 36.30 Slope changes from a N. slope to an E. slope.
- 40.00 True point for the $\frac{1}{4}$ section corner falls on steep, rocky E. slope, where it is impracticable to set a permanent corner.
- 40.50 On steep E. slope, 250 ft. below ridge.
Set an iron post, 3 ft. long, 1 in. diameter, 10 ins. in the ground to solid rock, and in a large mound of stone to top, for witness corner to the $\frac{1}{4}$ section corner of sections 3 and 4, with brass cap marked

$\frac{1}{4}$
 S4 | S3
 WC
 1939

from which

A pinon, 16 ins. diameter, bears S.19°45'E., 274 links distant, marked WC $\frac{1}{4}$ S3 BT.

A pinon, 10 ins. diameter, bears N.52°45'W., 64 links distant, marked WC $\frac{1}{4}$ S4 BT.

- 41.90 Draw, 40 ft. below corner, drains E.; ascend along E. and SE. slopes.
- 54.20 Spur, 220 ft. above draw, projects N.70°E.; descend abrupt N. slope.
- 65.40 Draw, 350 ft. below spur, drains E.; ascend steep S. slope
- 73.52 Intersect the N. boundary of the township E. 3.41 chains distant from the corner originally set for sections 3, 4, 33, and 34, an iron post, 3 ins. diameter, set, marked, and witnessed, as described in the official record of the survey of T. 38 S., R. 17 W., group 14, Utah.
I efface the marks on the corner monument that pertain to sections 3 and 4, T. 39 S., R. 17 W., and at point of intersection, on SE. slope, 180 ft. above draw.
Set an iron post, 3 ft. long, 2 ins. diameter, 6 ins. in the ground to solid rock, and in a large mound of stone to top, for closing corner of sections 3 and 4, T. 39 S., R. 17 W., with brass cap marked

T38S R17W
 34

 S4 | S3
 T39S | R17W
 CC
 1939

from which

A pinon, 6 ins. diameter, bears S.11°30'E., 84 links distant, marked S3 CC BT

A pinon, 10 ins. diameter, bears S.83°30'W., 136 links distant, marked T39S R17W S4 CC BT

Land, broken and mountainous.
Soil, shallow clay, gravel and rock; 4th rate.
Timber, juniper and pinon.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

Undergrowth, sage, oak, service berry, crab, bitter and buck brush.
Fair grazing land.

From the corner of sections 4, 5, 32, and 33, on the S. boundary of the township, heretofore described.

N.0°03'W., between sections 32 and 33.

Ascend gradually along W. slope of rolling bench land, through medium dense timber and undergrowth.

- 16.50 American Telephone and Telegraph 14 wire line, bears N.43°51'E., and S.43°51'W.
- 28.85 Forest Service 7 wire drift fence, bears N.40°40'W., and S.40°40'E.
- 34.70 Top of W. edge of Toban Bench, bears N.15°W. and S.15°E.; thence ascend over gradual S. slope of top of bench.
- 40.00 On gradual S. slope of top of Toban Bench, 250 ft. above section corner.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S32 | S33
1939

from which

A juniper, 8 ins. diameter, bears S.54°20'E., 248 links distant, marked $\frac{1}{4}$ S33 BT

A juniper, 9 ins. diameter, bears S.0°45'W., 347 links distant, marked $\frac{1}{4}$ S32 BT

- 60.80 Leave rolling top of Toban Bench and ascend SE. slope of rolling hills, bears NW. and SE.
- 79.00 Small depression, drains SE.
- 80.00 On rolling SW. slope, 160 ft. above the $\frac{1}{4}$ section corner.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 28, 29, 32, and 33, with brass cap marked

T39S | R17W
S29 | S28

S32 | S33
1939

from which

A juniper, 5 ins. diameter, bears N.62°45'E., 63 links distant, marked S28 BT

A juniper, 4 ins. diameter, bears S.84°E., 91 links distant, marked S33 BT

A juniper, 8 ins. diameter, bears S.65°30'W., 115 links distant, marked T39S R17W S32 BT

A juniper, 6 ins. diameter, bears N.28°30'W., 56 links distant, marked T39S R17W S29 BT

SUBDIVISION OF T. 39 S., R. 17 W.

Chains	anisho
	<p>Land, rolling, with a general southerly exposure and drainage. Soil, clay and gravel; 4th rate. Timber, juniper and pinon. Undergrowth, sage, black, oak, crab, and buck brush. Fair grazing land.</p>
	<p>East, on random line, between sections 28 and 33.</p>
40.00	Set temporary $\frac{1}{4}$ section corner.
79.94	Intersect the N. and S. line, 14 links N. of the corner of sections 27, 28, 33, and 34.
	Thence
	N.89°54'W., on true line, between sections 28 and 33.
	Over gradual SW. slope of rolling bench land, through scattered timber and dense undergrowth.
5.70	Unimproved road, bears NW. and S.30°E.
11.70	Shallow draw, drains S.60°E.
31.60	American Telephone and Telegraph 14 wire line, bears N.36°28'E. and S.36°28'W.
39.97	On gradual SW. slope of bench land, 80 ft. above section corner.
	Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked
	$\begin{array}{r} \frac{1}{4} \text{ S28} \\ \hline \text{S33} \\ \text{1939} \end{array}$
	deposit a sandstone, 10x10x8 ins., at base of post, marked X.
	No suitable bearing trees available.
47.40	Shallow branch draw, drains S.60°E.
64.30	Shallow branch draw, drains S.20°E.
75.00	Top of low rise on S. slope, bears N. and S.
79.94	The corner of sections 28, 29, 32, and 33, 160 ft. above the $\frac{1}{4}$ section corner.
	Land, rolling, with a general southerly exposure and drainage.
	Soil, shallow clay and gravel, with a rocky surface; 4th rate.
	Timber, juniper and pinon.
	Undergrowth, sage, black, bitter and crab brush, cactus, and weeds.
	Fair grazing land.
	N.0°03'W., between sections 28 and 29.
	Ascend gradual SW. slope of rolling bench land, through

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

medium dense timber and undergrowth.

- 12.80 Spur, 50 ft. above corner, slopes SE.
- 22.60 Draw, 80 ft. below spur, drains S.20°E.
- 28.40 Spur, 80 ft. above draw, slopes S.60°E.
- 33.90 Draw, 40 ft. below spur, drains S.80°E.
- 38.60 Bench spur, 70 ft. above draw, slopes S.70°E.
- 40.00 On gradual N. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for section corner, with brass cap marked

$\frac{1}{2}$
 S29 | S28
 1939

from which

- A juniper, 4 ins. diameter, bears S.25°30'E., 35 links distant, marked S28 BT
- A juniper, 4 ins. diameter, bears N.19°30'W., 139 links distant, marked BT

- 43.40 Draw, near head, 20 ft. below spur, drains S.80°E.
- 49.50 Low spur, 60 ft. above draw, projects SE.
- 56.20 Unimproved road, bears N.80°W. and S.80°E.
- 74.90 Cedar spring wash, 210 ft. below spur, drains S.70°E.
- 78.80 Forest Service 4 wire drift fence, bears S.89°45'E. and N.89°45'W.
- 80.00 On gradual W. slope, 60 ft. above Cedar Spring Wash.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 20, 21, 28, and 29, with brass cap marked

T39S | R17W
 S20 | S21

 S29 | S28
 1939

from which

- A pinon, 6 ins. diameter, bears N.9°30'E., 50 links distant, marked T39S R17W S21 BT
- A pinon, 7 ins. diameter, bears S.45°30'E., 57 links distant, marked T39S R17W S28 BT
- A pinon, 11 ins. diameter, bears S.75°W., 7 links distant, marked T39S R17W S29 BT
- A pinon, 9 ins. diameter, bears N.67°15'W., 55 links distant, marked T39S R17W S20 BT

Land, broken hills, with a general southeasterly exposure and drainage.
 Soil, shallow clay, gravel and rock; 4th rate.
 Timber, juniper and pinon.

Chains	Undergrowth, sage, black, ash, & other forest trees, brush, cactus and weeds. Fair grazing land.	06.51
	S. 89° 54' E., on random line, between sections 21 and 22.	
40.00	Set temporary $\frac{1}{2}$ section corner.	06.55
80.00	Intersect the N. and S. line, 14 links S. of the corner of sections 21, 22, 27, and 28.	06.55
	Thence	00.00
	West, on true line, between sections 21 and 22.	
	Ascend gradual SE. slope of rolling and broken bench land, through medium dense timber and undergrowth. Line follows along N. side of Forest Service fence, bears E. and N.	
.70	Bottom of Manera Wash, drains SE.	
12.60	Low bench spur, projects S. 50° E.	
17.90	Shallow draw, drains S. 50° E.	
38.00	Top of ascent, 250 ft. above section corner, slopes SE.; descend steep SW. slope.	
40.00	On steep SW. slope, 30 ft. below top of ascent.	
	Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{2}$ section corner, with brass cap marked	
	$\begin{array}{r} 321 \\ + \\ 328 \\ \hline 1939 \end{array}$	
	from which.	
	A juniper, 14 ins. diameter, bears S. 74° E., 103 links distant, marked $\frac{1}{2}$ 328 BT	
	A juniper, 5 ins. diameter, bears N. 42° W., 18 links distant, marked $\frac{1}{2}$ 321 BT	
46.70	Large wide draw, 40 ft. below the $\frac{1}{2}$ section corner, drains S.; thence ascend gradually along S. slope.	
58.90	Cedar Spring Wash, drains S. 50° E.	
62.60	Low spur, slopes off to the N.	
65.60	Cedar Spring Wash, drains N. 60° E. from the W., thence along bottom of wash.	
70.00	Leave bottom of Cedar Spring Wash, drains E. from SW.	
79.00	Low spur, slopes SE.	
80.00	The corner of sections 20, 21, 22, and 23, 130 ft. above the $\frac{1}{2}$ section corner.	
	Land, broken and mountainous, with a general southeasterly exposure and drainage. Soil, shallow gravel, clay and rock, 100 ft. deep.	

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Chains

Timber, juniper and pinon.
Undergrowth, sage, oak, black, bitter and crab brush.
Fair grazing land.

N.0°03'W., between sections 20 and 21.

Over rolling, mountainous land, through medium dense timber and undergrowth.

- 12.60 Large draw, 80 ft. below corner, drains S.40°E.
19.50 Spur, 160 ft. above draw, projects SE.
28.70 Draw, 60 ft. below spur, drains S.30°E.; ascend SW. slope.
32.00 Low spur, slopes off to the SW.
35.30 Small depression, drains S.10°W.; ascend gradual SE. slope.
40.00 On gradual SE. slope, 140 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 15 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
 S20|S21
 1939

from which

A juniper, 8 ins. diameter, bears S.24°30'E., 123 links distant, marked $\frac{1}{4}$ S21 BT

A juniper, 5 ins. diameter, bears N.82°15'W., 102 links distant, marked $\frac{1}{4}$ S20 BT

- 48.00 Small spur, slopes off to the SW.
48.30 Spur, 90 ft. above the $\frac{1}{4}$ section corner, projects NW. from S.70°E.; descend NE. slope.
70.30 Wash, in draw, 300 ft. below spur, drains SE.
71.40 Low rise, 40 ft. above draw, bears SE. and NW.
73.60 Manera Wash, in draw, 40 ft. below rise, drains S.40°E.; ascend gradually over rolling SE. slope.
80.00 On gradual SE. slope, 60 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 16, 17, 20, and 21, with brass cap marked

T39S|R17W
 S17|S16
 S20|S21
 1939

from which

A juniper, 8 ins. diameter, bears N.82°15'E., 21 links distant, marked T39S R17W S16 BT

A juniper, 6 ins. diameter, bears S.20°15'E., 31 links distant, marked T39S R17W S21 BT

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Chains

A juniper, 8 ins. diameter, bears S.44°15'W., 62 links distant, marked T39S R17W S20 BT

A juniper, 7 ins. diameter, bears N.37°30'W., 70 links distant, marked T39S R17W S17 BT

Land, rolling and mountainous.
Soil, shallow clay, gravel, and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, black, crab, oak, manzanita, and buck brush.
Fair grazing land.

East, on random line, between sections 16 and 21.

40.00 Set temporary $\frac{1}{4}$ section corner.

79.96 Intersect the N. and S. line, 12 links N. of the corner of sections 15, 16, 21, and 22.

Thence

N.89°55'W., on true line, between sections 16 and 21.

Ascend gradual NE. slope of broken, mountainous land, through medium dense timber and undergrowth.

0.60 Spur, 10 ft. above corner, slopes off to the NW.

8.70 Draw, near head, 140 ft. below spur, drains S.20°W.

11.00 Low spur, 90 ft. above draw, slopes S.20°E.

12.70 Draw, 40 ft. below spur, drains S.40°E.

26.90 Low spur, 130 ft. above draw, projects SE.

32.60 Draw, 130 ft. below spur, drains S.10°E.

39.98 On steep timbered SE. slope, 100 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 24 ins. in the ground to solid rock, and in a mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$ $\frac{S16}{S21}$

1939

from which

A pinon, 10 ins. diameter, bears S.6°W., 48 links distant, marked $\frac{1}{4}$ S21 BT

A pinon, 12 ins. diameter, bears N.36°W., 41 links distant, marked $\frac{1}{4}$ S16 BT

45.00 Top of ascent on S. slope, 70 ft. above the $\frac{1}{4}$ section corner, slopes off to the S.

51.80 Head of depression, 50 ft. below top of ascent, drains N.60°E.

59.10 Low spur, 50 ft. above head of depression, slopes S. 1.00 chain distant to end.

70.30 Draw, 160 ft. below spur, drains S.40°E.

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Chains

- 73.60 Low rise, slopes off to the N.
 77.20 Small depression, drains S.10°W.
 79.96 The cor. of secs. 16, 17, 20, and 21.

Land, rolling and mountainous.
 Soil, shallow clay, gravel and rock; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, black, bitter, manzanita, crab, and
 buck brush.
 Fair grazing land.

N.0°03'W., between sections 16 and 17.

Ascend gradual NE. slope of rolling and broken mountainous
 land, through dense timber and undergrowth.

- 9.15 Line of fence posts, bears E. and W.
 15.00 Small depression, near head, drains S.40°E.
 17.30 Low rise, slopes off to the E.
 40.00 On brushy E. slope, at W. side of draw, 160 ft. above
 section corner.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins.
 in the ground, for $\frac{1}{4}$ section corner, with brass cap
 marked

$\frac{1}{4}$
 S17|S16
 1939

from which

A juniper, 6 ins. diameter, bears N.78°15'E., 16 links
 distant, marked $\frac{1}{4}$ S16 BT

A juniper, 8 ins. diameter, bears S.20°30'W., 66 links
 distant, marked $\frac{1}{4}$ S17 BT

- 46.50 Draw, drains S.30°E. from the N.; thence along bottom
 of draw.
 47.70 Leave bottom of draw, drains S. from the NW. Small seep
 in bottom of draw, bears NW. 1.00 chains distant. Ascend
 steep SW. slope.
 64.10 Saddle in top of low spur, projects S.30°E.; ascend SE.
 slope of peak.
 68.50 Top of ascent on E. slope of low peak; descend gradual
 NE. slope.
 73.20 Draw, drains S.30°E. and heads about 4.00 chains to the
 NW.
 78.80 Top of ascent of high divide ridge, 360 ft. above the $\frac{1}{4}$
 section corner, bears S.75°W. and E.; descend steep NW.
 slope.
 80.00 On steep NW. slope, 20 ft. below top of ridge.

Set an iron post, 3 ft. long, 2 ins. diameter, 12 ins.
 in the ground to solid rock, and in a large mound of stone
 to top, for corner of sections 8, 9, 16, and 17, with
 brass cap marked

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

T39S R17W	
S8 S9	
S17 S16	
1939	

from which

- A juniper, 10 ins. diameter, bears N.43°E., 118 links distant, marked T39S R17W S9 BT
- A pinon, 5 ins. diam., bears S.57°30'E., 79 links distant, marked T39S R17W S16 BT
- A juniper, 5 ins. diam., bears S.43°45'W., 107 links distant, marked T39S R17W S17 BT
- A juniper, 10 ins. diameter, bears N.81°30'W., 25 links distant, marked T39S R17W S8 BT

Land, rolling and mountainous, with a general southeasterly exposure and drainage.
 Soil, shallow clay, gravel and rock; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, oak, black, bitter and buck brush.
 Fair grazing land.

S.89°55'E., on random line, between sections 9 and 16.

40.00 Set temp. $\frac{1}{4}$ section corner.

79.98 Intersect the true point for the corner of sections 9, 10, 15, and 16, which is S.0°02'E., 50 links distant, from the witness corner to the corner of said sections.

Thence, from the true point for section corner.

N.89°55'W., on true line, between sections 9 and 16.

Ascend steep N. slope of broken, mountainous land, through medium dense timber and undergrowth.

6.00 Spur, slopes off to the N.; continue ascent.

14.50 Top of ascent on N. slope, 170 ft. above corner, slopes N.; descend gradually along N. slope.

27.90 Deep, short ravine, 50 ft. below top of ascent, drains N.40°E.; ascend steep E. slope.

33.70 Spur, 240 ft. above ravine, projects N.70°W.; descend SW. slope.

39.50 Small depression, drains N.80°W.

39.99 On N. slope at S. bank of depression, 120 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diameter, 2 ins. in the ground, to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$ S 9
S16
1939

from which

- A juniper, 8 ins. diameter, bears N.37°W., 55 links distant, marked $\frac{1}{4}$ S9 BT

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Chains

No other bearing tree available.

42.20 Deep, short ravine, 130 ft. below corner, drains N.

43.70 Low spur, projects N.10°E.

44.10 Draw, drains N.10°E.

53.70 Spur, 180 ft. above ravine, projects S.30°E.

62.40 Draw, near head, drains S.30°E.

65.00 Improved road, bears NW. to the Enterprise Reservoir, and SE. to Veyo, Utah.

72.64 From this point, a U. S. Geological Survey bench mark, bears N.75°44'E., 7.61 chains distant. Bench mark is a brass tablet, set in a granite boulder, dated 1938, marked BM No. 32, RS Elev. 5299 feet.

77.00 Top of N. slope of peak; descend NW. slope.

79.98 The corner of sections 8, 9, 16, 17, 360 ft. above the $\frac{1}{4}$ section corner.

Land, broken and mountainous.

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, bitter, oak, manzanita, service berry and buck brush.

Fair grazing land.

October 17, 1941: stationed at the corner of sections 8, 9, 16 and 17; in approximate latitude 37°24'N., longitude 113°46'W., at 8h 18.4m a.m., correct 10⁵th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a tree about two miles north, in a westerly direction to the star.

Local mean time of observation, - - - - - 7h 43.3m a.m.

Mean horizontal deflection angle

from tree to star, - - - - - 1° 07'W.

Azimuth of Polaris, - - - - - 1° 10'W.

True bearing to tree, - - - - - N. 0°03'W.

Thence, from the above corner.

N.0°03'W., between sections 8 and 9.

Descend abrupt NW. slope of broken, mountainous land, through dense timber and undergrowth.

9.10 Small, short depression, drains N.20°E.

10.90 Low spur, slopes off to the E.

13.20 Deep, short ravine, drains N.60°E.

17.20 Low spur, slopes off to the E.

26.30 Improved road, bears N.70°W., to the Enterprise Reservoir, and S.70°E. to Veyo, Utah.

28.00 Small stream, in bottom of Cove Wash, 440 ft. below section corner, flows S.80°E.; ascend steep, rolling brushy S. slope.

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Chains

40.00 On gradual S. slope, 170 ft. above stream.

Set an iron post, 3 ft. long, 1 in. diameter, 15 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S8 | S9
1939

A juniper, 8 ins. diam., bears N.30°E., 251 links distant, marked $\frac{1}{4}$ S9 BT from which

No other bearing tree available.

42.50 Small depression, drains S.40°W.

52.20 Small depression, drains S.10°E.

63.70 High spur, 490 ft. above the $\frac{1}{4}$ section corner, projects S.60°W., about 3.00 chains distant to peak; descend steep NW. slope through brush.

67.00 Small spur, projects N.50°W.

80.00 On NW. slope, in bottom lands of draw, 270 ft. below high spur.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 4, 5, 8, and 9, with brass cap marked

T39S | R17W
S5 | S4

S8 | S9
1939

from which

A juniper, 5 ins. diameter, bears N.72°45'E., 31 links distant, marked S4 BT

A juniper, 8 ins. diameter, bears S.30°E., 66 links distant, marked T39S R17W S9 BT

A juniper, 6 ins. diameter, bears N.50°15'W., 132 links distant, marked T39S R17W S5 BT

No suitable bearing tree available in section 8.

Land, broken and mountainous.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, bitter, oak, service berry, and buck brush.

Fair grazing land.

S.89°55'E., on random line, between sections 4 and 9.

40.00 Set temporary $\frac{1}{4}$ section corner.

79.88 Intersect the N. and S. line, 2 links S. of the true point for corner of sections 3, 4, 9, and 10, which is S.0°02'E., 50 links distant, from the witness corner to the corner of said sections.

-SUBDIVISION OF T. 39 S., R. 17 W.

Chains

Thence, from the true point for the corner of said sections.

N.89°56'W., on true line, between sections 4 and 9.

Ascend gradual N. slope of broken mountainous land, through scattered timber and undergrowth.

27.30 Slope changes from a N. slope to a NE. slope.

36.30 Small depression, drains N.30°E.; ascend E. slope.

39.94 On E. slope, 320 ft. above section corner.

Set an iron post, 3 ft. long; 1 in. diameter, 3 ins. in the ground to solid rock and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

S4
—
 $\frac{1}{4}$ S9

1939

from which

A juniper, 8 ins. diameter, bears S.4°15'W., 98 links distant; marked $\frac{1}{4}$ S9 BT.

A juniper, 6 ins. diameter, bears N.12°30'W., 56 links distant, marked $\frac{1}{4}$ S4 BT.

42.50 Ridge, 60 ft. above the $\frac{1}{4}$ section corner, bears SW. to rocky point; and NE. about 5.00 chains to saddle, thence easterly; descend NW. slope.

71.50 Small depression, drains NW.

79.88 The corner of sections 4, 5, 8, and 9, 290 ft. below ridge.

Land, broken and mountainous.

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, bitter, manzanita, oak, service berry and buck brush.

Fair grazing land.

N. 0°03' W., between sections 4 and 5, on true line.

Descend gradual NW. slope of broken mountainous land, through scattered timber and undergrowth.

0.90 Small depression, 30 ft. below corner, drains N. 60° W.

2.50 Low hill at end of low spur, 60 ft. above depression, slopes off to the west.

6.00 Draw, 80 ft. below spur, drains S.70°W.; ascend SE. slope.

21.60 Spur, 200 ft. above draw, projects SE.

25.10 Swale, 10 ft. below spur, drains SE.

38.40 Spur, 220 ft. above swale, slopes off to the W.; descend along W. slope.

40.00 On W. slope, 20 ft. below spur.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{2}$
 S5 | S4

1939

from which

A juniper, 8 ins. diameter, bears N. 30°E., 91 links distant, marked $\frac{1}{4}$ S4 BT.

A juniper, 6 ins. diameter, bears S. 78°45' W., 34 links dist., marked $\frac{1}{4}$ S5 BT.

49.20 Deep short ravine, 50 ft. below the $\frac{1}{4}$ section corner, drains S.30°W.

52.00 Spur, projects S.30°W., 2.00 chains distant to end; continue ascent.

75.52 Intersect the N. boundary of the township, East, 3.73 chains distant from the corner originally set for sections 4, 5, 32, and 33, an iron post, 3 ins. diameter, set, marked, and witnessed as described in the official record of the survey of T. 38 S., R. 17 W., Group 14, Utah

I efface the marks on the corner monument that pertain to sections 4 and 5, T. 39 S., R. 17 W., and at point of intersection, on SW. slope, 270 ft. above ravine.

Set an iron post, 3 ft. long, 2 ins. diameter, 12 ins. in the ground to solid rock and in a large mound of stone to top, for closing corner of sections 4 and 5, T. 39 S., R. 17 W., with brass cap marked

T38S R17W

S33

S5 | S4

T39S R17W

C | C

1939

deposit a
sandstone, 10x10x8 ins., at base of post, marked X.

No suitable bearing trees available.

Land, broken and mountainous.

Soil, shallow clay, sand, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, oak, bitter, crab, service berry and buck brush.

Fair grazing land.

From the cor. of sections 31 and 32, on the S. boundary of the township.

N. 0°03' W., between sections 31 and 32.

Ascend abrupt SW. slope of NE. rim of Grapevine Wash, through dense timber and undergrowth.

1.80 Top of NE. rim of Grapevine Wash, 60 ft. above corner, bears NW. and SE.; thence ascend S. slope.

8.90 Head of draw, drains SE.; continue ascent.

SUBDIVISION OF T. 59 S., R. 17 W.

Chains

- 26.50 Unimproved road, bears SE & W.
- 27.00 Low spur, slopes SW.; continue ascent along W. slope.
- 37.00 Small depression, drains W.
- 40.00 On S. side of small depression, 180 ft. above section corner, mark a cross (X) on the surface rock, over which
Set an iron post, 3 ft. long, 1 in. diameter, in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked.

$\frac{1}{4}$
S31|S32
1939

from which

- A juniper, 18 ins. diameter, bears N.15°E., 8 links distant, marked BT
- A pinon, 8 ins. diameter, bears N.80°W., 32 links distant, marked $\frac{1}{4}$ S31 BT
- A pinon, 8 ins. diameter, bears S.79°E., 27 links distant, marked $\frac{1}{4}$ S32 BT

- 40.20 Small depression, drains S.70°W.
- 64.60 Seven wire Forest Service drift fence, bears N.89°W. and S.89°E., in bottom of swale, drains S.20°W.; ascend along E. slope.
- 69.60 Slope changes from an E. slope to a S. slope.
- 80.00 On gradual S. slope, 160 ft. above the $\frac{1}{4}$ section corner, in dense timber.
Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for corner of sections 29, 30, 31, and 32, with brass cap marked

T39S | R17W
S30 | S29

S31 | S32
1939

from which

- A pinon, 11 ins. diameter, bears N.47°E., 54 links distant, marked T39S R17W S29 BT
- A pinon, 9 ins. diameter, bears S.76°15'E., 75 links distant, marked T39S R17W S32 BT
- A pinon, 7 ins. diameter, bears S.34°W., 80 links distant, marked T39S R17W S31 BT
- A pinon, 10 ins. diameter, bears N.12°W., 109 links distant, marked T39S R17W S30 BT

Land, broken and mountainous, with a general southerly exposure and drainage.
Soil, shallow clay, gravel, and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, black, bitter, service berry, and buck brush.
Fair grazing land.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains	East, on random line, between sections 29 and 32.
40.00	Set temporary $\frac{1}{4}$ section corner.
79.72	Intersect the N. and S. line, 5 links S. of the corner of sections 28, 29, 32, and 33.
	Thence
	S.89°58'W., on true line, between sections 29 and 32.
	Ascend gradual SE. slope of rolling, mountainous land, through dense timber and undergrowth.
0.70	Small depression, drains SE.
6.30	Low spur, 60 ft. above corner, slopes S.; descend steep SW. slope.
24.30	Small depression, drains S.10°W.
26.80	Low spur, slopes S.10°W.
30.80	Small depression, drains S.15°W.
33.00	Low spur, projects S.
35.70	Small stream, in bottom of Toban Wash, 360 ft. below the spur, at the 70 links point, flows S.70°E.; ascend abrupt NE. slope.
39.86	On abrupt NE. slope, 80 ft. above stream.
	Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked
	$\frac{1}{4}$ $\frac{S\ 29}{S\ 32}$ 1939
	from which
	A juniper, 20 ins. diameter, bears S.29°45'E., 31 links distant, marked $\frac{1}{4}$ S32 BT
	A pinon, 6 ins. diameter, bears N.60°15'W., 71 links distant, marked $\frac{1}{4}$ S29 BT
48.30	Small swale, drains N.50°E.
64.80	High ridge, 200 ft. above the $\frac{1}{4}$ section corner, bears N.70°W. and S.70°E.; descend abrupt SW. slope.
70.00	Draw, 80 ft. below ridge, drains S.20°W.; ascend along S. slope.
79.72	The corner of sections 29, 30, 31, and 32, 30 ft. above draw.
	Land, rolling and mountainous. Soil, shallow clay, gravel and rock; 4th rate. Timber, juniper and pinon. Undergrowth, sage, black, manzanita, bitter, crab, oak and buck brush. Fair grazing land.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

West, on random line, between sections 30 and 31.

40.00 Set temporary $\frac{1}{4}$ section corner.

81.44 Intersect the W. boundary of the township, 14 links N. of the corner of sections 25, 30, 31, and 36, an iron post, 2 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 39 S., R. 18 W., Group 109, Utah.

Thence

N.89°54'E., on true line, between sections 30 and 31.

Descend gradual E. slope of broken, mountainous land, through dense timber and undergrowth.

2.70 Draw, drains S. and heads 2.00 chains to the N.

5.70 Spur, projects S.20°E.

13.00 Short ravine, drains N. 30° E.

23.00 Large draw, drains S.40°E.

27.70 Low spur, slopes off to the S.

33.20 Small draw, drains S.30°E.

34.80 Low rise, slopes S.

36.50 Small draw, drains S.10°E.

39.40 Unimproved road, bears N. and S.20°E.

41.44 On S. slope, 410 ft. above section corner.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$ $\frac{S30}{S31}$
1939

from which

A juniper, 12 ins. diameter, bears N.62°E., 40 links distant, marked $\frac{1}{4}$ S30 BT

A pinon, 6 ins. diameter, bears S.47°E., 47 links distant, marked $\frac{1}{4}$ S31 BT

53.00 Small draw, 60 ft. below the $\frac{1}{4}$ section corner, drains S.20°E.; small seep of good water in bottom of draw, bears N. of line, 2.00 chains distant.

65.90 Low spur, 70 ft. above draw, projects S.

71.60 Draw, 70 ft. below spur, drains S.; ascend gradually along S. slope.

81.44 The corner of sections 29, 30, 31, and 32, 50 ft. above draw.

Land, rolling and mountainous.
Soil, clay, gravel and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, black, manzanita, and oak brush.
Fair grazing land.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

N.0°03'W., between sections 29 and 30.

Ascend abrupt S. slope of broken, mountainous land, through dense timber and undergrowth.

13.50 High, rocky spur, 230 ft. above corner, projects NE., and bears W. 200 chains distant to high point; descend abrupt, rocky N. slope.

30.20 Toban Wash, dry, 260 ft. below spur, drains SE.; ascend broken SE. slope.

40.00 On broken SE. slope, 80 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 24 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
S30 S29
1939

from which

A juniper, 7 ins. diameter, bears S.70°E., 21 links distant, marked $\frac{1}{4}$ S29 BT

A pinon, 16 ins. diameter, bears S.50°W., 3 links distant, marked $\frac{1}{4}$ S30 BT

56.00 Spur, 230 ft. above the $\frac{1}{4}$ section corner, slopes off to the E.

61.60 Draw, 70 ft. below spur, drains S.70°E.

74.50 Low spur, projects E.

79.10 Forest Service 4 wire fence, bears N89°E. and S.89°W.

80.00 In bottom of small draw, 160 ft. above the draw at the 61.60 chains point, drains SE.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for corner of sections 19, 20, 29, and 30, with brass cap marked

T39S R17W
S19 S20
S30 S29
1939

from which

A juniper, 5 ins. diameter, bears N.38°30'E., 43 links distant, marked T39S R17W S20 BT

A pinon, 7 ins. diameter, bears S.17°30'E., 148 links distant, marked T39S R17W S29 BT

A pinon, 6 ins. diameter, bears S.44°W., 58 links distant, marked T39S R17W S30 BT

A pinon, 7 ins. diameter, bears N.51°45'W., 51 links distant, marked T39S R17W S19 BT

Land, broken and mountainous.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, oak, manzanita, crab and buck

SUBDIVISION OF T. 59 S., R. 17 W.

Chains

brush.
Fair grazing land.

N.89°58'E., on random line, between sections 20 and 29.

40.00 Set temporary 1/4 section corner.

79.76 Intersect the N. and S. line, 2 links N. of the corner of sections 20, 21, 28, and 29.

Thence

S.89°59'W., on true line, between sections 20 and 29.

Ascend gradual SE. slope of broken, mountainous land, through dense timber and undergrowth. Line follows along the N. side of Forest Service drift fence, bearing E. and W.

20.50 Cedar Spring Wash, drains S.70°E.

21.30 Intersect metal water tank and water trough.

24.50 From this point, Cedar Spring bears S. 40 links distant.

32.70 The E. side of circular pole corral, about 2.00 chains in diameter.

34.60 The W. side of circular corral.

36.60 Unimproved road, bears N.4°30'W., and S.4°30'E.

39.88 On SE. slope, 240 ft., above section corner.

Set an iron post, 3 ft. long, 1 in. diameter, 8 ins. in the ground to solid rock, and in a large mound of stone to top, for 1/4 section corner, with brass cap marked

1/4 S20

1/4 S29
1939

from which

A juniper, 4 ins. diameter, bears S.64°30'W., 6 links distant, marked 1/4 S29 BT

A juniper, 5 ins. diameter, bears N.3°45'W., 52 links distant, marked 1/4 S20 BT

42.90 Small depression, drains S.20°E.; ascend NE. slope.

49.00 Ridge, 160 ft. above the 1/4 section corner, bears N.30°W. and S.30°E.; descend SW. slope.

67.10 Large draw, drains S.10°W.

73.00 Spur, slopes off to the S.

76.60 Small depression, drains S.10°E.

79.76 The corner of sections 19, 20, 29, and 30, 160 ft. below top of ridge.

Land, broken and mountainous.
Soil, shallow clay, gravel and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, black, manzanita and crab brush.
Fair grazing land.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

S.89°54'W., on random line, between sections 19 and 30.

40.00 Set temporary 1/4 section corner.

81.25 Intersect the W. boundary of the township, 3 links N. of the corner of sections 19, 24, 25, and 30, an iron post, 2 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 39 S., R. 18 W., Group 109, Utah.

Thence

N.89°53'E., on true line, between sections 19 and 30.

Over broken, mountainous land, through dense timber and undergrowth. Forest Service drift fence about 3 chains N. of line.

- 5.00 Draw, 90 ft. below corner, drains S.80°E.
- 6.40 Low spur, 10 ft. above draw, slopes SE.
- 9.30 Head of draw, 60 ft. below spur, drains SE.
- 12.20 Low spur, 20 ft. above head of draw, slopes SE.
- 20.60 Toban Wash, 180 ft. below rise, drains SE.
- 26.50 Low spur, 20 ft. above wash, slopes S.10°E.
- 29.30 Bend in Toban Wash at junction of draw from the NW., 50 ft. below spur, drains SE. from the SW.
- 31.80 Low spur, slopes S.
- 36.70 Low spur, 40 ft. above Toban Wash, projects S.10°E.
- 39.40 Small draw, 50 ft. below spur, drains S.10°E.
- 41.25 On top of low spur, 40 ft. above draw, projects S.10°E.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for 1/4 section corner, with brass cap marked

$\frac{1}{4}$ S19
 S30
 1939

from which

A juniper, 4 ins. diameter, bears S.71°W., 53 links distant, marked 1/4 S30 BT

A juniper, 4 ins. diameter, bears N.21°W., 28 links distant, marked 1/4 S19 BT

From the 1/4 section corner, a Forest Service drift fence bearing E. and W., bears N. 3.00 chains distant.

- 43.20 Small draw, drains S.
- 56.60 Low spur, slopes off to the S.
- 59.70 Forest Service drift fence, bears NW & SE.
- 62.10 Small draw, drains S.
- 67.10 Recross fence, bears NE. and SW.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

69.50 Top of rocky peak, on spur, 380 ft. above the $\frac{1}{4}$ sec. cor., projects SE.

72.50 Recross fence, bears N.58°W. and S.58°E. 1.50 chains distant, thence easterly.

80.20 Small draw, drains S.70°E.

81.25 The corner of sections 19, 20, 29, and 30, 240 ft. below spur.

Land, broken and mountainous.
Soil, shallow clay, gravel and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, black, oak, bitter, crab and buck brush.
Fair grazing land.

N.0°03'W., between sections 19 and 20.

Ascend abrupt S. slope of broken mountainous land, through scattered timber and undergrowth.

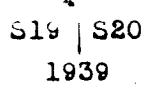
12.90 Spur, 320 ft. above corner, projects SE.; descend steep E. slope.

20.80 Large draw, 50 ft. below spur, head at saddle, 2.00 chains to the W. and drains S.30°E.; ascend SW. slope.

27.40 Ridge, 70 ft. above draw, bears S.55°W. about 4.00 chains to saddle, and East, about 6.00 chains to high point; descend NW. slope.

40.00 On gradual NW. slope, 200 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diameter, 8 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked



from which

A juniper, 12 ins. diameter, bears N.84°E., 46 links distant, marked $\frac{1}{4}$ S20 BT

A juniper, 12 ins. diameter, bears N.88°W., 54 links distant, marked $\frac{1}{4}$ S19 BT

40.20 Small draw, drains N.30°E.

42.70 Small spur, 20 ft. above the $\frac{1}{4}$ section corner, slopes off to the NE.

44.60 Draw, 20 ft. below spur, drains S.60°E.; ascend abrupt S. and SW. slopes.

65.20 Spur, 460 ft. above draw, slopes S.70°E.; descend along steep E. slope.

72.00 Spur, slopes off to the NE.; descend abrupt N. slope.

79.60 Trail, bears N.80°E. and S.80°W.

80.00 On steep N. slope, 240 ft. below the spur at the 72.00 chains point.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 17, 18, 19, and 20, with brass cap marked

T39S	R17W
S18	S17
S19	S20
1939	

from which

A pinon, 12 ins. diameter, bears N.7°E., 46 links distant, marked T39S R17W S17 BT

A pinon, 14 ins. diameter, bears S.84°15'E., 48 links distant, marked T39S R17W S20 BT

A pinon, 18 ins. diameter, bears S.23°W., 42 links distant, marked T39S R17W S19 BT

A pinon, 12 ins. diameter, bears N.15°15'W., 64 links distant, marked T39S R17W S18 BT

Land, broken and mountainous.

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, oak, manzanita, bitter and crab brush.

Fair grazing land.

N.89°59'E., on random line, between sections 17 and 20.

40.00 Set temp. $\frac{1}{4}$ section corner.

79.76 Intersect the corner of sections 16, 17, 20 and 21.

Thence

S.89°59'W., on true line, between sections 17 and 20.

Over broken, mountainous land, through dense timber and undergrowth.

4.60 ~~Manera~~ Wash, 20 ft. below corner, drains S.10°E., about 2.00 chains distant, thence easterly.

20.70 Spur, projects S.40°E. and bears N.20°W., about 5.00 chains distant to peak; ascend SE slope.

28.10 Spur, 340 ft. above draw, projects S.30°W.; descend abrupt SW. slope.

34.70 Depression, near head, 120 ft. below spur, drains S.20°E.; ascend SE. slope.

36.70 Spur, 60 ft. above depression, slopes off to the SE.

39.50 Depression, near head, 20 ft below spur, drains S.30°E.

39.88 On steep NE. slope, 20 ft. above depression.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$	S17
	S20
1939	

from which

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

Juniper, 12 ins. diameter, bears S.77°W., 49 links distant, marked $\frac{1}{4}$ S20 BT

Juniper, 5 ins. diameter, bears N.10°W., 34 links distant, marked $\frac{1}{4}$ S17 BT

44.50 Spur, 100 ft. above the $\frac{1}{4}$ section corner, projects SE.

49.90 Draw, 130 ft. below spur, drains S.10°E.

55.60 Top of low, round peak, on spur, 140 ft. above draw, slopes off to the SE.

60.60 Swale, 20 ft. below top of peak, drains S.; ascend along SE. slope.

67.20 Unimproved road, bears S.32°E. and N.15°15'W.

75.30 Top of ascent on N. slope, of round hill, 200 ft. above swale, slopes off to the N.; descend NW. slope.

79.00 Trail, bears N.70°E. and S.70°W.

79.76 The corner of sections 17, 18, 19, and 20, 30 ft. below top of ascent.

Land, broken and mountainous.

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, oak, bitter and buck brush.

Fair grazing land.

S.89°53'W., on random line, between sections 18 and 19.

40.00 Set temporary $\frac{1}{4}$ section corner.

81.24 Intersect W. boundary of the township, 2 links N. of the corner of sections 13, 18, 19, and 24, an iron post, 2 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 39 S., R. 18 W., Group 109, Utah.

Thence

N.89°52'E., on true line, between sections 18 and 19.

Over broken, mountainous land, through dense timber and undergrowth.

2.20 Small depression, near head, drains S.10°W.

8.60 Ridge, bears NW. and S.20°E.; continue ascent over SW. slope.

10.80 Top of ascent on N. slope of peak, 160 ft. above corner; descend steep NE. slope.

27.10 Draw, 230 ft. below top of ascent, drains S.50°E.; ascend SW. slope.

38.10 Spur, 180 ft. above draw, slopes off to the S.; descend SE. slope.

41.24 On SE. slope, 30 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

$$\frac{1}{4} \frac{S18}{S19}$$

1939

from which

A pinon, 5 ins. diameter, bears S.59°30'W., 72 links distant, marked $\frac{1}{4}$ S19 BT

No other bearing tree available.

- 43.50 Draw, near head, 30 ft. below the $\frac{1}{4}$ section corner, drains S.10°W.; ascend NW. slope.
- 51.70 Spur, slopes off to the SW.; continue ascent, along spur.
- 53.70 Ridge spur, 160 ft. above the $\frac{1}{4}$ section corner, slopes W. descend SE. slope.
- 61.60 Ridge, bears S.60°E. and N.46°30'W.; descend NE. slope.
- 78.60 Trail, bears E. and NW.
- 81.24 The corner of sections 17, 18, 19, and 20, 430 ft. below ridge spur, at the 53.70 chains point.

Land, broken and mountainous.

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, manzanita and crab brush.

Fair grazing land.

N.0°03'W., between sections 17 and 18.

Descend NW. slope of broken, mountainous land, through medium dense timber and undergrowth.

- 0.30 Draw, 10 ft. below corner, drains N.80°E.; ascend steep SE. slope.
- 3.70 Spur, 70 ft. above draw, projects E.; descend NE. slope.
- 10.30 Small draw, 60 ft. below spur, drains S.40°E.; ascend SE. slope.
- 13.50 Spur, 70 ft. above draw, projects S.40°E.; descend NE. slope.
- 14.40 Unimproved road, bears NW. and SE.; timber becomes scattered, bears with road.
- 31.10 Large draw, 180 ft. below spur, drains SE.; ascend steep SW. slope.
- 40.00 On steep SW. slope, 160 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$$\frac{1}{4} \frac{S18|S17}{1939}$$

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

- 51.80 Top of sharp spur, 320 ft. above the $\frac{1}{4}$ section corner, projects S.32°E.; descend along steep E. slope.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

- 58.80 Low spur, slopes off to the E.
- 73.90 Draw, near head, 160 ft. below sharp spur, drains SE.; ascend steep SW. slope.
- 80.00 On steep SW. slope, 120 ft. above draw.
- Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for corner of sections 7, 8, 17 and 18, with brass cap marked

T39S	R17W
S7	S8
S18	S17
1939	

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

Land, broken and mountainous.
Soil, shallow clay and gravel, with a rocky surface; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, black, oak, crab, manzanita, bitter, and buck brush.
Fair grazing land.

N.89°59'E., on random line, between sections 8 and 17.

- 40.00 Set temporary $\frac{1}{4}$ section corner.
- 79.76 Intersect the N. and S. line, 2 links N. of the corner of sections 8, 9, 16, and 17.
- Thence
- West, on true line, between sections 8 and 17.
- Over broken, mountainous, land, through medium dense timber and undergrowth.
- 7.20 Depression, 100 ft. below corner, drains N.30°E.
- 30.00 Ridge, 260 ft. above depression, bears N. and S.; descend abrupt SW. slope.
- 39.30 Small spur, slopes S.
- 39.88 On steep SW. slope, 160 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diameter, 18 ins. in the ground to solid rock; and in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$	S8
	S17
1939	

from which
A juniper, 3 ins. diameter, bears S.54°W., 130 links distant, marked BF

No other bearing trees available.

- 45.40 Draw, near head, 160 ft. below the $\frac{1}{4}$ section corner, drains S.10°E.; ascend E. slope.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

- 50.00 Spur, 270 ft. above draw, projects S.10°E.; descend W. slope.
- 72.80 Draw, near head, 140 ft. below spur, drains S.50°E.; ascend NE. slope of rocky peak.
- 78.40 Top of ascent on N. slope of rocky peak, 40 ft. above draw descend W. slope.
- 79.76 The corner of sections 7, 8, 17, and 18, 40 ft. below top of ascent.

Land, broken and mountainous.
Soil, shallow clay, gravel, and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, black, oak, service berry, and buck brush.
Fair grazing land.

S.89°52'W., on random line, between sections 7 and 18.

- 40.00 Set temporary $\frac{1}{2}$ section corner.
- 81.22 Intersect W. boundary of the township, 9 links S. of the corner of sections 7, 12, 13, and 18, an iron post, 2 in. diameter, set, marked and witnessed, as described in the official record of the survey of T. 39 S., R. 18 W. Group 109, Utah.

Thence

N.89°56'E., on true line, between sections 7 and 18:

Ascend abrupt SW. slope of broken, mountainous land, through very scattered timber and dense undergrowth.

- 14.40 Ridge, 100 ft. above corner, bears N.70°W. and S.64°30'E.; descend gradually along N. slope.
- 22.00 Outcropping of iron ore; from this point a location monument to iron claim, bears South 1.00 chain distant.
- 31.20 Head of depression, on N. slope, drains N.10°E.
- 33.20 Recross top of ridge, bears N.60°E. and S.40°W.; descend brushy E. slope.
- 41.22 On brushy E. slope, 340 ft. below ridge, at the 14.40 chains point.

Set an iron post, 3 ft. long, 1 in. diameter, 12 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{2}$ section corner, with brass cap marked

$\frac{1}{2}$ $\frac{S7}{S18}$

1939

raise a mound of stone, 5 ft. base, 4 ft. high, SW. 15 links distant, from corner. Impracticable to erect mound N. of corner.

From corner, a point on a rocky outcropping, marked with a 12 inch cross, bears S.10°W. 3 links distant.

- 47.60 Gulch, 240 ft. below the $\frac{1}{2}$ section corner, drains S.30°E.; ascend steep SW. slope.

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

- 58.40 Sharp spur, 170 ft. above gulch, projects S.27°30'E.; descend steep E. slope.
- 79.90 Head of draw, 670 ft. below spur, drains S.; ascend SW. slope.
- 81.22 The corner of sections 7, 8, 17, and 18, 40 ft. above draw.

Land, broken and mountainous.
 Soil, shallow clay and gravel, with a rocky surface; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, black, oak, bitter, crab, and buck brush.
 Fair grazing land.

N.0°03'W., between sections 7 and 8.

Ascend abrupt W. and S. slopes of broken, mountainous land, through scattered timber and undergrowth.

- 15.70 Ridge, 300 ft. above corner, bears NE. and SW.; thence along W. slope.
- 30.90 Spur, projects N.50°W.; descend steep N. slope.
- 40.00 On steep, brushy NE. slope, 340 ft. below ridge; mark a cross (X) on the surface rock, over which
 Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked

$\frac{1}{4}$
 S7 | S8
 1939

from which

A pinon, 16 ins. diameter, bears N.44°15'W., 75 links distant, marked $\frac{1}{4}$ S7 BT

No other bearing tree available.

- 40.60 Small draw, at head, 30 ft. below the $\frac{1}{4}$ section corner, drains N.60°E.; ascend steep SE. slope.
- 52.80 Spur, 130 ft. above draw, slopes off to the E.; descend along an E. slope.
- 65.40 Slope changes from an E. slope to a N. slope.
- 72.20 Head of depression, drains NW.
- 77.00 Small rise, slopes off to the W.; descend NW. slope.
- 80.00 On low spur, 280 ft. below the spur at the 52.80 chains point.

Set an iron post, 3 ft. long, 2 ins. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for corner of sections 5, 6, 7, and 8, with brass cap marked

T39S | R17W
 S6 | S5
 S7 | S8
 1939

from which

SUBDIVISION, T. 39 S., R. 17 W.

Chains

A juniper, 5 ins. diameter, bears N.18°15'E., 103 links distant, marked S5 BT

A juniper, 12 ins. diameter, bears S.10°45'E., 77 links distant, marked T39S R17W S8 BT

A juniper, 6 ins. diameter, bears S.12°30'W., 803 links distant, marked S7 BT

A juniper limb, 10 ins. diam. bears N.66°W., 94 links distant, marked T39S R17W S6 BT

Land, broken and mountainous.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, oak, crab, manzanita and buck brush.

Fair grazing land.

East, on random line, between sections 5 and 8.

40.00 Set temporary $\frac{1}{4}$ section corner.

79.72 Intersect the corner of sections 4, 5, 8, and 9.

Thence

West, on true line, between sections 5 and 8.

Ascend along N. slope of broken, mountainous land, through scattered timber and undergrowth.

6.20 Spur, 20 ft. above corner, slopes off to the N.; descend along N. and NW. slope.

12.20 Draw, 90 ft. below spur, drains S.70°E.; ascend SE. slope.

15.00 Spur, 40 ft. above draw, slopes off to the S.

17.70 Low spur, projects S.80°W.

23.50 Small seep of good water, in bottom of draw, 60 ft. below spur, drains S.20°E.

28.30 Low spur, 70 ft. above draw, projects S.50°W.

32.70 Depression, near head, 40 ft. below spur, drains S.50°W.

36.70 Spur, 70 ft. above depression, projects S.50°W.

39.86 On steep W. slope, 90 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$$\frac{1}{4} \begin{array}{c} \text{S5} \\ \hline \text{S8} \\ 1939 \end{array}$$

from which

A juniper, 14 ins. diameter, bears N.40°E., 64 links distant, marked $\frac{1}{4}$ S5 BT

A juniper, 6 ins. diameter, bears S.30°W., 128 links distant, marked $\frac{1}{4}$ S8 BT

SUBDIVISION OF T. 32 S., R. 17 W.

Chains	
40.00	Shallow swale, drains S.; ascend E. slope.
48.40	Spur, 120 ft. above the $\frac{1}{4}$ section corner, projects S.; ascend rolling SW. slope.
57.40	Short ravine, drains SE.
58.90	Low spur, projects SE.
63.30	Small stream in bottom of Cove Wash, 100 ft. below the spur at the 48.40 chains point, flows S.50°E.; ascend steep NE. slope.
65.40	Improved road, bears N.50°W. to the Enterprise Reservoir, and S.50°E. to Vayo, Utah.
79.72	The corner of sections 5, 6, 7, and 8, 270 ft. above stream, Land, broken and mountainous. Soil, shallow clay, gravel, and rock; 4th rate. Timber, juniper and pinon. Undergrowth, sage, black, bitter, crab, service berry and buck brush. Fair grazing land.

S.89°56'W., on true line, between sections 6 and 7.

Descend gradually along broken N. slope of mountainous land, through scattered timber and medium dense undergrowth.

3.00	Small draw, 60 ft. below corner, drains N.; ascend.
8.70	Spur, 90 ft. above draw, projects N.; descend NW. slope.
15.10	Large draw, with seeps of good water, in bottom, 100 ft. below spur, drains N.30°E.; ascend E. slope.
33.00	Top of ascent on N. slope of rocky peak, 400 ft. above draw; descend NW. slope.
40.00	On brushy NW. slope, 140 ft. below top of ascent. Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner, with brass cap marked

$$\frac{\frac{1}{4} \text{ S } 6}{\text{S } 7} \\ 1939$$

from which

A juniper, 7 ins. diameter, bears N.22°30'E., 36 links distant, marked $\frac{1}{4}$ S6 BT

A juniper, 4 ins. diameter, bears S.1°30'W., 99 links distant, marked BT

45.50	Base of descent, 40 ft. below corner, bears N. and S.; ascend gradually over brushy E. slope.
52.20	Small ravine, drains N.20°E.
71.00	Small ravine, drains N.30°E.; ascend steep E. slope.
81.35	Intersect the W. boundary of the township, North, 60

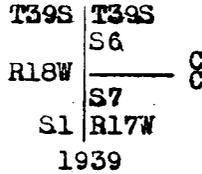
SUBDIVISION OF T. 39 S., R. 17 W.

Chains

links distant, from the corner of sections 1 and 12, T. 39 S., R. 18 W., heretofore described.

At point of intersection; on steep E. slope of rocky outcropping, 290 ft. above the 1/4 section corner.

Set an iron post, 3 ft. long, 2 ins. diameter, in a mound of stone to top, for closing corner of sections 6 and 7, T. 39 S., R. 17 W., with brass cap marked



deposit a sandstone, 10x10x8 ins., at base of post, marked X.

No suitable bearing trees available.

Land, broken and mountainous, with a general northeasterly exposure and drainage.

Soil, shallow clay, gravel and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, oak, service berry, crab, manzanita, and buck brush.

Fair grazing land.

From the corner of sections 5, 6, 7, and 8.

N.0°03'W., on true line, between sections 5 and 6.

Descend abrupt N. slope of broken, mountainous land, through scattered timber and medium dense undergrowth.

- 7.00 Draw, 160 ft. below corner, drains N.80°E.; ascend brushy S. slope.
- 12.60 Spur, 80 ft. above draw, projects E.; descend along gradual E. slope.
- 14.30 Slope changes from an E. slope to a N. slope.
- 19.46 Fall 2 links W. of U. S. Geological Survey Bench Mark, which is a brass tablet, set in a granite boulder, marked BM ELEV 5324 ft. 33 RS-1938.
- 19.80 Improved road, bears N.80°W. to Enterprise Reservoir, and easterly to Veyo, Utah.
- 21.60 Small seeps of good water in bottom of Cove Wash, 100 ft. below spur, drains S.80°E.; ascend along SE. and E. slopes.
- 40.00 On brushy E. slope, 160 ft. above Cove Wash.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for 1/4 section corner, with brass cap marked



from which

A juniper, 6 ins. diameter, bears N.5°E., 119 links distant, marked 1/4 S5 BT

SUBDIVISION OF T. 39 S., R. 17 W.

Chains

A juniper, 4 ins. diameter, bears S.33°W., 58 links distant, marked $\frac{1}{4}$ S6 BT

51.80 Small draw, 2.50 chains E. of line, drains S.

64.40 Cross same draw, drains S.10°E.

70.40 Low divide ridge, bears N.70°W. and E. 2.00 chains distant to low saddle.

73.54 Intersect the N. boundary of the township, East, 4.15 chains distant, from the corner originally set for sections 5, 6, 31 and 32, an iron post, 3 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 38 S., R. 17 W., Group 14, Utah.

I efface the markings on the corner monument that pertain to sections 5 and 6, T. 39 S., R. 17 W., at point of intersection, on E. slope, 160 ft. above the $\frac{1}{4}$ section corner.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, for closing corner of sections 5 and 6, T. 39 S., R. 17 W., with brass cap marked

T38S R17W

S32

S6	S5
T39S	R17W

CC

1939

from which

A juniper, 3 ins. diameter, bears S.13°45'E., 47 links distant, marked BT

A juniper, 10 ins. diameter, bears S.65°45'W., 121 links distant, marked T39S R17W S6 CC BT

Land, broken and mountainous.

Soil, shallow clay, gravel, and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, black, oak, manzanita, service berry and buck brush.

Fair grazing land.

ESTABLISHMENT OF THE NORTH $\frac{1}{4}$ SECTION CORNERS OF THE NORTH TIER OF SECTIONS, T. 39 S., R. 17 W.

At midpoint on the N. boundary of section 1.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner of section 1, T. 39 S., R. 17 W., with brass cap marked

$\frac{1}{4}$ S1

1939

from which

A pinon, 5 ins. diameter, bears S.29°E., 58 links distant, marked $\frac{1}{4}$ S1 BT

A juniper, 5 ins. diameter, bears S.64°30'W., 95 links distant, marked $\frac{1}{4}$ S1 BT

ESTABLISHMENT OF THE NORTH $\frac{1}{4}$ SECTION CORNERS OF THE
NORTH TIER OF SECTIONS, T. 39 S., R. 17 W.

From this corner the $\frac{1}{4}$ section corner originally set for sections 1 and 36, an iron post, 1 in. diameter, set, marked and witnessed, as described in the official record, bears W. 3.035 chains distant. I efface the marks on the iron post and bearing tree that pertain to section 1, and corner will now function only for the $\frac{1}{4}$ section of section 36.

At midpoint on the N. boundary of section 2.

Set an iron post, 3 ft. long, 1 in. diameter, 24 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner of section 2, T. 39 S., R. 17 W., with brass cap marked

$\frac{1}{4}$ S2

1939

from which
A juniper, 5 ins. diameter, bears S.31°30'E., 114 links distant, marked $\frac{1}{4}$ S2 BT

No other suitable bearing tree available.

From this corner the $\frac{1}{4}$ section corner originally set for sections 2 and 35, an iron post, 1 in. diameter, set, marked and witnessed, as described in the official record, bears W. 3.205 chains distant. I efface the marks on the iron post and bearing tree that pertain to section 2, T. 39 S., R. 17 W., and corner will now function only for the $\frac{1}{4}$ section corner of section 35, T. 38 S., R. 17 W.

At midpoint on the N. boundary of section 3.

Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground, for $\frac{1}{4}$ section corner of section 3, T. 39 S., R. 17 W., with brass cap marked

$\frac{1}{4}$ S3

1939

raise a mound
of stone, 3 ft. base, 2 ft. high, S. of corner.

From this corner the $\frac{1}{4}$ section corner originally set for sections 3 and 34, an iron post, 1 in. diameter, set, marked and witnessed, as described in the official record, bears W. 3.30 chains distant. I efface the marks on the iron post that pertain to section 3, T. 39 S., R. 17 W., and corner will now function only for the $\frac{1}{4}$ section corner of section 34, T. 38 S., R. 17 W.

At midpoint on the N. boundary of section 4.

Set an iron post, 3 ft. long, 1 in. diameter, 10 ins. in the ground to solid rock, and in a large mound of stone to top, for $\frac{1}{4}$ section corner of section 4, T. 39 S., R. 17 W., with brass cap marked

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

1939

raise a mound

ESTABLISHMENT OF THE NORTH 1/4 SECTION CORNERS OF THE NORTH TIER OF SECTIONS, T. 39 S., R. 17 W.

of stone, 3 ft. base, 2 ft. high, S. of corner.

From this corner the 1/4 section corner originally set for sections 4 and 33, an iron post, 1 in. diameter, set, marked and witnessed, as described in the official record, bears W. 3.57 chains distant. I efface the marks on the corner monument that pertain to section 4, T. 39 S., R. 17 W., and corner will now function only for the 1/4 section corner of section 33, T. 38 S., R. 17 W.

At midpoint on the N. boundary of section 5.

Set a granite stone, 24x8x8 ins., 16 ins. in the ground, marked 1/4 S5 on S. face, for 1/4 section corner of section 5, T. 39 S., R. 17 W.

From which

A juniper, 3 ins. diameter, bears S.35°45'E., 33 links distant, marked BT

A juniper, 6 ins. diameter, bears S.86°45'W., 127 links distant, marked 1/4 S5 BT

From this corner the 1/4 section corner originally set for sections 5 and 32, an iron post, 1 in. diameter, set, marked and witnessed, as described in the official record, bears W. 3.94 chains distant. I efface the marks on the corner monument and bearing tree that pertain to section 5, T. 39 S., R. 17 W., and corner now will function only for the 1/4 section corner of section 32, T. 38 S., R. 17 W.

At a point 40.00 chains W. of the closing corner of sections 5 and 6, on the N. boundary of section 6.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a large mound of stone to top, for 1/4 section corner of section 6, T. 39 S., R. 17 W., with brass cap marked

1/4 S6

1939

from which

A juniper, 8 ins. diameter, bears S.4°30'W., 151 links distant, marked 1/4 S6 BT

A juniper, 6 ins. diameter, bears S.37°30'W., 145 links distant, marked 1/4 S6 BT

From this corner the 1/4 section corner originally set for sections 6 and 31, an iron post, 1 in. diameter, set, marked and witnessed, as described in the official record, bears W. 4.15 chains distant. I efface the marks on the corner monument that pertain to section 6, T. 39 S., R. 17 W., and corner now will function only for the 1/4 section corner of section 31, T. 38 S., R. 17 W.

GENERAL DESCRIPTION

The lands within the boundaries of T. 39 S., R. 17 W., Salt Lake Meridian, Utah, are broken and mountainous.

GENERAL DESCRIPTION.

The south portion consists of rolling bench lands. It is of a sandstone and volcanic formation, and has a general southeasterly exposure and drainage. The north-west portion of the township is at an elevation of about 6000 feet above sea level, while that in the south portion is at an elevation of about 4000 feet above sea level.

The soil throughout the township consists of a shallow, reddish colored clay and gravel, with a rocky surface, and may be classified as fourth rate.

The timber throughout the township consists of juniper and pinon, being dense in the southwest and northeast portions of the township, and more scattered in the north-west and southeast portions. The timber has no commercial value except for firewood and fence posts.

The undergrowth, in most places, consists of a dense short growth of sage, black, live oak, bitter, service berry, crab and buck brush, cactus and weeds, and affords fair grazing for stock.

The largest drainage in the township is Moody Wash, which enters the township on the north boundary of section 3, and drains in a southerly direction, leaving the area of the township, that comes under this survey, near the quarter section corner of sections 23 and 26. Cove Wash enters the township on the west boundary of section 6, and drains in a southeasterly direction to its junction with Moody Wash, in the central portion of section 26. Gardner Wash enters the township on the west portion of the north boundary of section 1, and drains in a southwesterly direction to its junction with Moody Wash in the NW $\frac{1}{4}$ of section 11. Manera Wash heads in section 18, and drains in a southeasterly direction, leaving the portion of the township, that comes under this survey, on the north portion of the west boundary of section 35. Cedar Spring Wash heads at Cedar Spring, located in the north portion of the NW $\frac{1}{4}$ NE $\frac{1}{4}$ section 29, and drains in an easterly direction to its junction with Manera Wash in the NW $\frac{1}{4}$ of section 27. Toban Wash enters the township on the south portion of the west boundary of section 19, and drains in a southeasterly direction, leaving the township on the east portion of the south boundary of section 32. Grapevine Wash heads in the northwest portion of section 31, and drains in a southeasterly direction, leaving the township near the corner of sections 31 and 32 on the south boundary.

Small seeps and intermittent streams of good water, were found along the bottoms of these washes.

The American Telephone and Telegraph Company's 14 wire line enters the township on the east boundary of section 12, and bears in a southwesterly direction, leaving the township on the east portion of the south boundary of section 32.

A Forest Service drift fence bears in an easterly and westerly direction through the township, near the south boundaries of sections 19, 20, 21, 22, 23, and 24. The only improved road in the township enters the west boundary near the quarter section corner of section 6, and bears in a southeasterly direction to Veyo, Utah, from the Enterprise Reservoir, leaving the portion of the township that comes under this survey, near the point for the corner of sections 22, 23, 26, and 27. Numerous other unimproved roads were found throughout the south portion of the township.

A water tank and corral are located on the east half mile of the line between sections 20 and 29. A large frame building, used as a machine and repair shop by people prospecting in the northwest portion of the township, is located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ of section 6.

A stock corral constructed by the Forest Service is located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of section 23. A stock corral is

GENERAL DESCRIPTION

located in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of section 14. The United States Reclamation Service has a water gauge station located in the Moody Wash, near the west edge of the corral. The Grazing Service has a drift seven barbed wire fence, which enters the township on the west half of the south boundary of section 33, and bears northwesterly and westerly, leaving the township on the north half mile of the west boundary of section 31.

Sections 1 to 24, inclusive, of the township are within the boundaries of the Dixie Nation^{al} Forest, and this portion of the township is used for a summer grazing range for stock under the supervision of the Forest Service. The portion of the township not within the boundaries of the forest is also used for a grazing range for stock.

No settlers were living on the portion of the township that comes under this survey, and no portions of it are suitable for farming.

Outcroppings of iron ore were found in sections 6, 7, 17, and 18, and at the time of the survey, prospecting was being done in the northwest portion of the township. Except for the iron ore, no indications of mineral, coal, oil, or oil shale were found.

The nearest post office to the township, is Veyo, Utah, which is in an easterly direction about one mile distant.

The mean magnetic declination was found to be 16°45' E.

4-680
(Revised May 1934)

FIELD ASSISTANTS

NAMES	CAPACITY
Walter Roper	Principal Assistant
Edgar Lingwall	Chainman
Marion Ollerton	Axman
Francis Fowler	Axman
Douglas McArthur	Axman
Arnold L Clark	Cornerman
Dominick Ardisone	Cornerman
Russell Hales	Flagman

CERTIFICATE OF UNITED STATES SURVEYOR

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I, Andrew Nelson, Assistant Cadastral Eng., HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 11th day of May 1939, received from the district cadastral engineer for Utah, with assignment instructions dated June 22, 1939, I have surveyed made a dependent resurvey of portion of the east boundary of T. 39 S., R. 18 W., dependent resurvey a portion of the south boundary, and subdivision, establishment of quarter section corners between closing corners on the north boundary, and survey of a portion of the subdivision, completing the survey of T. 39 S., R. 17 W., of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 25, 1941.
Salt Lake City, Utah.

Andrew Nelson
Assistant Cadastral Engineer.
(Formerly Surveyor)

CERTIFICATE OF APPROVAL

OFFICE OF ~~USS~~ SUPERVISOR OF SURVEYS,

Denver, Colorado, August 3, 1944.

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the east boundary of T. 39 S., R. 18 W., dependent resurvey of a portion of the south boundary and subdivision, establishment of quarter section corners between closing corners on the north boundary, and survey of a portion of the subdivision, completing the survey of T. 39 S., R. 17 W.

executed by Andrew Nelson, Surveyor, under special instructions dated May 11, 1939, and assignment instructions dated June 22, 1939, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.


U.S. Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above-described surveys in _____ is a true copy of the original field notes on file in the public survey office.

U.S. Supervisor of Surveys.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD NOTES

INDEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION, AND
DIVISION OF SECTION 26, T. 40 S., R. 7 W.

Of the Salt Lake Meridian,
the State of Utah

EXECUTED BY

Elliot Bird, Associate Cadastral Engineer

Andrew Nelson, Assistant Cadastral Engineer

Under special instructions dated September 21, 1939, which provided
the surveys included under Group No. 309, bearing the approval of the
Commissioner of the General Land Office under date of November 3, 1939
Assignment instructions dated June 9, 1941.

Survey commenced September 9, 1941.

Survey completed September 12, 1941.

INDEX DIAGRAM.

Township 40 South, Range 7 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
				2	
30	29	28	27	26	25
				4	
31	32	33	34	35	36
				6	

Subdivision of section 26, pages 7 to 11.

6-161

1731

The official surveys of T. 40 S., R. 7 W., Salt Lake Meridian, Utah, are shown on plats approved in 1877 and 1937. The following field notes are those of a dependent resurvey of a portion of the subdivision, T. 40 S., R. 7 W., and such subdivision of section surveys, as will define and mark the boundaries of coal lands and coal leases in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of section 26, of said township.

Before reconstructing or restoring the corners, the lines of the original survey were retraced, and search was made for evidence of the missing corner monuments, and other calls of the field notes. When duly identified or restored, the corner positions were remonumented. In order to simplify the record, the true line notes only are given, which refer to the completed survey.

The survey was commenced September 9, 1941, and executed with Buff and Buff transits Nos. 18003 and 16726, used by Elliot Bird, Associate Cadastral Engineer, and Andrew Nelson, Assistant Cadastral Engineer respectively. Both instruments are equipped with Smith solar attachments and have full vertical circles. The horizontal limb of each instrument is provided with 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 circles. The instruments were approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions dated June 9, 1941.

The direction of the lines were determined by angles deflected from controlling meridians established by observations made on Polaris during the progress of the work. The method of repetition was used, accumulating the horizontal angles. The angles were repeated four times, with the telescope in direct and reversed positions. The lines were carried forward by taking the mean of direct and reversed sights at each instrument station.

The measurements were made with Lallie steel tapes 5 and 8 chains in length, compared with a Lufkin standard steel tape, 1 chain in length and found correct. The tapes were graduated every link for the first 100 links and thereafter at intervals of 10 links. The measurements were made on the slope, the vertical angle of each interval was ascertained with the transits, and the slope measurements properly reduced to true horizontal distances, which appear in this record.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 7 W.

Reestablishment of surveys executed by
T.C. Bailey, U.S. Deputy Surveyor, in
1876, and resurveyed by Nelson, Bird,
and Miller, in 1931.

September 9, 1941: Stationed at the cor. of secs. 26, 27, 34, and 35, T. 40 S., R. 7 W., Salt Lake Meridian, Utah, in approximate latitude 37°18' N., longitude 112°39' W., at 8h 57.5m a.m. correct 105th meridian standard time, I make an hour angle observation upon Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a flag pole 35.60 chs. dist. to the north, in a counter clockwise direction to the star.

Local mean time of observation.....	8h 27.27 a.m.
Mean horizontal deflection angle.....	1° 59'
Azimuth of Polaris.....	1° 17' W.
True bearing to flag pole.....	N. 68°21' E.
Magnetic declination.....	15°45' E.

DEPENDENT RESURVEY PORTION-SUBDIVISION, T. 40 S., R. 7 W.

Chains

The cor. of secs. 26, 27, 34, and 35, is an iron post, 2 ins. diam., set, marked, and witnessed as described in the official record.

Thence, from the above cor.

N. $0^{\circ}42'$ E., bet. secs. 26 and 27.

Along E. edge of cultivated land.

- 7.90 Net wire fence at the N. side of cultivated land, bears N. 56° E. and S. 56° W.
- 9.00 Center of U.S. Highway No. 89, bet. Glendale and Orderville, Utah, bears N. 56° E. and S. 56° W.
- 9.80 Net wire fence at the S. side of cultivated land, bears N. 56° E. and S. 56° W.
- 10.00 Electric power line, bears N. 56° E. and S. 56° W.
- 21.40 Net wire fence, bears N. 60° E. and S. 60° W.
- 23.40 The Virgin River, 20 lks. wide, 10 ft. deep, in large wide wash, flows S. 30° W.
- 35.80 The original witness cor. to the $\frac{1}{4}$ sec. cor. secs. 26 and 27, which was later changed to an angle point. Cor. is a sandstone, 12 x 8 x 6 ins., firmly set in ground and large mound of stone, marked WC $\frac{1}{4}$ on W. face, and AP on E. face.
- Thence, North, with continuous measurement.
- 35.90 Barbed wire fence at the N. side of cultivated land, bears E. and W.; thence ascend abrupt broken SW. slope of high bench to the N., through medium dense timber and undergrowth.
- 39.80 The $\frac{1}{4}$ sec. cor. secs. 26 and 27, an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record.
- From this cor., the portal to the Foot Coal Mine, bears S. $67^{\circ}36'$ E., 17.42 chs. dist.
- Thence, N. $1^{\circ}04'$ E.
- 22.70 Top of SW. rim of high bench, 360 ft. above base, bears NW. and SE.; thence over top of bench.
- 27.20 Enter cultivated land, bears NW. and SE.
- 39.90 The cor. of secs. 22, 23, 26, and 27, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record.

Land, rolling and broken.

Soil, shallow loose sand and rock; 3rd rate.

Timber, juniper and pinon on N. portion of mile.

Undergrowth, sage, oak, and service berry brush.

Fair grazing land on portion of mile that is not under cultivation.

Reestablishment of surveys executed by
T.C. Bailey, U.S. Deputy Surveyor,
in 1876.

N. $89^{\circ}51'$ E., bet. secs. 23 and 26.

Over cultivated land on top of high bench.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 7 W.

Chains

16.90 Junction of barbed wire fence from the E. with fence bearing N. and S., at the E. edge of cultivated land; enter dense juniper and pinon timber, bears with cultivated land.

26.60 Top of E. rim of bench, bears N. and S.; descend abrupt ledgy E. slope.

39.74 The $\frac{1}{4}$ sec. cor. secs. 23 and 26, a red sandstone, 18 x 14 x 6 ins., loosely set in fence line bearing E. and W., marked $\frac{1}{4}$ on N. face. Cor. is witnessed by one bearing tree as follows.

A juniper, 5 ins. diam., bears S. 71° W., 3 lks. dist., marked $\frac{1}{4}$ S BT.

At the cor. point; on steep E. slope, 370 ft. below rim.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ sec. cor. secs. 23 and 26, with brass cap marked

$$\frac{1}{4} \frac{S23}{S26}$$

1941

No other bearing tree available.

Thence; N. $89^{\circ}57'$ E.

0.20 Junction of fence from the N. with fence bearing E. and W.

3.80 Irrigation ditch; 5 lks. wide, 1 ft. deep; at base of abrupt descent from bench and at the W. side of cultivated land, bears N. and S.; ditch flows S.

11.30 Virgin River, 40 lks. wide, 6 ins. deep, in large wide wash, flows S. 20° E., from the NE.; continue across cultivated land.

19.90 In cultivated land and fence line bearing E. and W.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for the E. $1/16$ sec. cor. secs. 23 and 26, with brass cap marked

$$E \frac{1}{16} \frac{S23}{S26}$$

1941

Set a juniper post, 8 ft. long, 6 ins. diam., 27 ins. in the ground, alongside the cor. monument.

From this cor., the portal to a coal mine, bears S. $41^{\circ}15'$ E., 12.09 chs. dist.

22.10 Net wire fence, bears N. 20° E. and S. 20° W.

23.00 Center of U.S. Highway No. 89, bet. Glendale and Orderville, Utah, bears N. 20° E. and S. 20° W.

23.50 Electric power line, bears N. 20° E. and S. 20° W.

23.80 Telephone line bears N. and S.

23.90 Net wire fence, bears N. 20° E. and S. 20° W.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 7 W.

Chains

- 25.80 Leave cultivated land and enter low rolling hills covered with a medium dense growth of juniper and pinon timber, bears N. and S.
- 39.80 The cor. of secs. 23, 24, 25, and 26, a sandstone, 24 x 16 x 3 ins., firmly set, marked 1 notch on E. edge and 2 notches on S. edge. Cor. has no accessories.

At the cor. point, on gradual W. slope, 140 ft. above the Virgin River.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for cor. secs. 23, 24, 25, and 26, with brass cap marked

T40S	R7W
S23	S24
S26	S25

1941

from which

A pinon, 5 ins. diam., bears N. 30° E., 94 lks. dist., marked ET.

A juniper, 4 ins. diam., bears S. 26°15' E., 66 lks. dist., marked BT.

A juniper, 8 ins. diam., bears S. 74° W., 20 lks. dist., marked T40S R7W S26 FT.

A pinon, 6 ins. diam., bears N. 66°30' W., 80 lks. dist., marked T40S R7W S23 BT.

Land, rolling and mountainous.
Soil, shallow loose sand with a rocky surface; 4th rate.
Timber, juniper and pinon on E. and W. portions of mile.
Undergrowth, sage, oak, and service berry brush.
Good grazing on uncultivated portion of mile.

S. 0°34' W., bet. secs. 25 and 26.

Note: The original survey of this mile, was run on an offset of 30.00 chs. to the E., and the $\frac{1}{4}$ sec. cor. secs. 25 and 26, was not set.

Ascend gradually along broken NW. slope of high mesa land to the east, through medium dense timber and undergrowth.

20.02 On gradual NW. slope, 110 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the N. 1/16 sec. cor. secs. 25 and 26, with brass cap marked

N 1/16
S26 S25

1941

from which

A juniper, 12 ins. diam., bears N. 45°30' E., 61 lks. dist., marked N 1/16 S25 BT.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 7 W.

Chains

A pinon, 8 ins. diam., bears S. 75°30' W., 57 lks. dist., marked N 1/16 S26 BT.

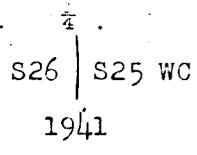
25.00 Top of sandstone ledge at top of N. breaks of sandstone gorge, bears S. 10° E. and W.; thence over broken ledges.

34.00 Top of vertical sandstone rim on N. side of gorge, bears E. and W.

38.00 Bottom of gorge, 200 ft. deep, drains W.

40.04 True point for the 1/4 sec. cor. secs. 25 and 26, falls on top of vertical sandstone rim at S. side of gorge, 610 ft. above sec. cor., bears E. and W., where it is impossible to set a cor., therefore, at a point, West, 3.71 chs. dist. from the true cor. point, at base of white sandstone ledge, bears N. and S., mark a cross (X) on the surface rock, over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for witness cor. to the 1/4 sec. cor. secs. 25 and 26, with brass cap marked



No suitable bearing trees available.

Thence, from the true point for cor., ascend gradually over broken NW. slope of W. face of mesa.

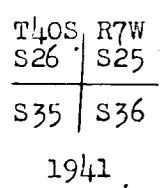
67.90 Spur, 230 ft. above top of S. rim of gorge, projects W.; descend abrupt SW. slope.

74.00 Ravine, 270 ft. below spur, drains W.; ascend abrupt NW. slope.

80.09 Proportionate distance; find no trace of the cor. secs. 25, 26, 35, and 36.

At the top of NW. point of white sandstone rim, 270 ft. above ravine.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and in a large mound of stone, for the restored cor. secs. 25, 26, 35, and 36, with brass cap marked



from which

A pinon, 20 ins. diam., bears N. 25°15' E., 50 lks. dist., marked T40S R7W S25 BT.

A juniper, 14 ins. diam., bears S. 88°15' E., 69 lks. dist., marked T40S R7W S36 BT.

A pinon, 8 ins. diam., bears S. 2°15' W., 90 lks. dist., marked T40S R7W S35 BT.

A pinon, 16 ins. diam., bears N. 44° W., 30 lks. dist., marked T40S R7W S26 BT.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 7 W.

Chains

From this cor., the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township, bears S. $89^{\circ}40'$ E., 79.59 chs. dist. Cor. is a sandstone, 16 x 10 x 2 ins., firmly set, marked 1 groove on S. face and 5 grooves on N. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for cor. secs. 25, 30, 31, and 36, with brass cap marked

T40S.	
R7W	R6W
S25	S30
S36	S31

1941

from which

A pinon, 15 ins. diam., bears N. 49° E., 77 lks. dist., marked T40S R6W S30 BT.

A juniper, 8 ins. diam., bears S. 50° E., 96 lks. dist., marked T40S R6W S31 BT.

A juniper, 8 ins. diam., bears S. $54^{\circ}30'$ W., 50 lks. dist., marked T40S R7W S36 BT.

A juniper, 5 ins. diam., bears N. $23^{\circ}45'$ W., 43 lks. dist., marked T40S R7W S25 BT.

From the restored cor. of secs. 25, 26, 35, and 36, the standard cor. of secs. 35 and 36, on the S. bdy. of the township, bears S. $0^{\circ}12'$ E., 80.09 chs. dist. Cor. is a sandstone, 12 x 10 x 2 ins., firmly set, marked, and witnessed, as described in the official record. No trace of the $\frac{1}{4}$ sec. cor. secs. 25 and 36, or the $\frac{1}{4}$ sec. cor. secs. 35 and 36, could be found.

Land, broken W. face of high mesa.
Soil, shallow loose sand and rock; 4th rate.
Timber, juniper, pinon, and spruce.
Undergrowth, sage, oak, manzanita, and service berry brush.
Good grazing land.

N. $89^{\circ}49'$ W., bet. secs. 26 and 35.

Descend abrupt ledgy W. breaks of high mesa, through medium dense timber and undergrowth.

5.70 Ravine, 200 ft. below cor., drains N.; ascend abrupt E. slope.

22.30 Top of ascent, 200 ft. above ravine, bears N. and S.; descend steep NW. slope.

33.40 Slope changes from an abrupt NW. slope to an abrupt W. slope.

39.84 Record distance from the witness cor. to the $\frac{1}{4}$ sec. cor. secs. 26 and 35, and true point for the $\frac{1}{4}$ sec. cor. As the true point for the $\frac{1}{4}$ sec. cor. falls on steep S. face of a ledge, where it is impossible to set a cor., therefore at at point, N. $0^{\circ}35'$ E., 25 lks. dist. from the true cor. point, mark a cross (X) on the surface rock, over which:

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 7 W.

Chains

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 26 and 35, with brass cap marked.

$$\frac{3}{4} \frac{S26.}{WC}$$

$$\frac{3}{4} \frac{S35}{WC}$$

1941

from which

A pinon, 8 ins. diam., bears N. 70° E., 69 lks. dist., marked WC $\frac{3}{4}$ S26 BT.

No other suitable bearing tree available.

Thence, from the true point for the $\frac{1}{4}$ sec. cor.

6.50. The original witness cor. to the $\frac{1}{4}$ sec. cor. secs. 26 and 35, a limestone, 16 x 10 x 8 ins., firmly set, marked $\frac{1}{4}$ on N. face. Cor. has no accessories.

At the cor. point, on steep W. slope, 390 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{3}{4} \frac{S26}{WC}$$

$$\frac{3}{4} \frac{S35}{WC}$$

1941

from which

A juniper, 5 ins. diam., bears S. $58^{\circ}30'$ W., 55 lks. dist., marked WC $\frac{3}{4}$ S35 BT.

A juniper, 6 ins. diam., bears N. $55^{\circ}30'$ W., 109 lks. dist., marked WC $\frac{3}{4}$ S26 BT.

7.60 Draw at base of abrupt descent, drains N.; thence descend gradually along W. slope.

27.30 Telephone line, bears NE. and SW.

38.50 Barbed wire fence, bears N. and S.

40.09 The cor. of secs. 26, 27, 34, and 35, 130 ft. below the witness cor. to the $\frac{1}{4}$ sec. cor.

Land, broken W. face of high mesa to the E.

Soil, shallow loose sand and rock; 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, oak, manzanita, and service berry brush.

Good grazing land.

SUBDIVISION OF SECTION 26, T. 40 S., R. 7 W.

From the true point for the $\frac{1}{4}$ sec. cor. secs. 26 and 35.

N, $0^{\circ}35'$ E., on true N. and S. center line sec. 26.

SUBDIVISION OF SECTION 26, T. 40 S., R. 7 W.

Chains

Descend gradually along general W. slope of high mesa to the E., through medium dense timber and undergrowth.

- 0.25 The witness cor. to the $\frac{1}{4}$ sec. cor. secs. 26 and 35.
- 14.50 Draw, drains N. 20° W.; continue descent.
- 21.70 Spur, slopes NW.; descend N. to NE. slopes.
- 28.15 Telephone line, bears NE. and SW.
- 30.30 Center of U.S. Highway No. 89, bet. Glendale and Orderville, Utah, bears NE. and SW.
- 31.55 Net wire fence, bears NE. and SW.; thence across cultivated land.
- 39.91 At the intersection of the true E. and W. center line sec. 26; in cultivated land, 290 ft. below the true point for the witness cor. to the $\frac{1}{4}$ sec. cor.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the center $\frac{1}{4}$ sec. cor. sec. 26, with brass cap marked

C $\frac{1}{4}$ S26

1941

from which

A boxelder, 12 ins. diam., bears S. 85°30' E., 63 lks. dist., marked C $\frac{1}{4}$ S26 BT.

A boxelder, 6 ins. diam., bears S. 58°30' W., 22 lks. dist., marked C $\frac{1}{4}$ S26 BT.

- 42.00 Barbed wire fence, bears E. and W., and an electric power line, bears NE. and SW. Leave cultivated land, bears E. and W.
- 42.10 Enter channel of the Virgin River, bears W. and NE. River at this point is a stream 20 lks. wide, 10 ins. deep, flows W.
- 47.00 Leave channel of the Virgin River, bears E. and W.; ascend along broken E. slope.
- 59.90 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the center N. 1/16 sec. cor. sec. 26, with brass cap marked

O
N 1/16. | S26

C

1941

from which

A juniper, 12 ins. diam., bears S. 68° E., 52 lks. dist., marked CN 1/16 S26 BT.

A pinon, 8 ins. diam., bears N. 59°30' W., 34 lks. dist., marked CN 1/16 S26 BT.

Continue along broken E. slope through medium dense timber and undergrowth.

- 79.89 The $\frac{1}{4}$ sec. cor. secs. 23 and 26, 160 ft. above the center $\frac{1}{4}$ sec. cor.

SUBDIVISION OF SECTION 26, T. 40 S., R. 7 W.

Chains

Land, rolling.
Soil, shallow loose sand with a rocky surface; 3rd rate.
Timber, juniper and pinon.
Undergrowth, sagebrush and weeds.
Good grazing land.

From the true point for the 1/4 sec. cor. secs. 25 and 26.

West, on true E. and W. center line sec. 26.

Descend abrupt NW. face of ledge, through medium dense timber and undergrowth.

3.71 The witness cor. to the 1/4 sec. cor. secs. 25 and 26.

19.91 On gradual NW. slope, in dense oak brush.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the center E. 1/16 sec. cor. sec. 26, with brass cap marked

E 1/16
C ————— C
S26

1941

from which

A boxelder, 8 ins. diam., bears S. 3° W., 45 lks. dist., marked CE 1/16 S26 BT.

No other bearing tree available.

22.00 Net wire fence, bears NE. and SW.; thence through cultivated land.

31.00 Net wire fence and telephone line, at NW. side of cultivated land, bears NE. and SW.

31.40 Center of U.S. Highway No. 89, between Glendale and Orderville, Ut., bears NE. and SW.

32.30 Net wire fence at SE. side of cultivated land, bears NE. and SW.

39.82 The center 1/4 sec. cor. sec. 26, 250 ft. below the true point for the 1/4 sec. cor. secs. 25 and 26.

September 10, 1941: Stationed at the center 1/4 sec. cor. sec. 26, in approximate latitude 37°18' N., longitude 112°35' W., at 9h 38.0m a.m. correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making **four** observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a flag at the 1/4 sec. cor. secs. 25 and 26, in a counter clockwise direction to the star.

Local mean time of observation.....9h 07.7m a.m.
Mean horizontal deflection angle.....1° 50'
Azimuth of Polaris.....1° 15' W.
True bearing to flag.....N. 0°35' E.

Continue West, from the center 1/4 sec. cor.

42.30 Electric power line, bears NE. and SW.

SUBDIVISION OF SECTION 26, T. 40 S., R. 7 W.

Chains

- 46.50 The Virgin River, 20 lks. wide, 10 ins. deep, in large wide channel, flows S. 40° W. from N. 10° E.
- 49.30 The W. edge of cultivated land, bears N. 10° E. and S. 10° W.; ascend gradually over SE. slope through medium dense timber and undergrowth.
- 63.10 Barbed wire fence, bears N. 15° E. and S. 15° W.
- 75.40 Top of ascent, 200 ft. above river, bears N. and S.; descend gradual SW. slope.
- 76.70 Barbed wire fence, bears N. and S.
- 79.88 The 1/4 sec. cor. secs. 26 and 27, 90 ft. below top of ascent.

Land, rolling.

Soil, shallow loose sand, clay, and rock, with a rocky surface; 4th rate.

Timber, juniper and pinon on portions of mile.

Undergrowth, sage, manzanita, oak, service berry, and buck brush.

Good grazing land.

From the center E. 1/16 sec. cor. sec. 26.

N. 0°34' E., on true N. and S. center line NE 1/4 sec. 26.

Over rolling mountainous land, through dense oak undergrowth

- 0.70 Net wire fence at the S. edge of cultivated land, bears NE. and SW.
- 4.40 Ravine, 40 ft. deep, at the N. side of cultivated land, drains W.; ascend steep S. slope through medium dense timber and scattered undergrowth.
- 6.90 Barbed wire fence, bears E. and W.
- 10.50 Spur, 120 ft. above the cor., slopes S. 80° W., about 7.00 chs. dist. to end; descend gradual NW. slope.
- 20.01 On gradual NW. slope, 90 ft. below spur, at the true intersection with the E. and W. center line of the NE 1/4. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the NE. 1/16 sec. cor. sec. 26, with brass cap marked

NE 1/16 S26

1941

from which

A juniper, 5 ins. diam., bears S. 58°30' E., 38 lks. dist., marked NE 1/16 S26 BT.

A juniper, 12 ins. diam., bears N. 86°45' W., 101 lks. dist.; marked NE 1/16 S26 BT.

- 41.50 Telephone line; bears N. 27°30' E., and S. 27°30' W.
- 27.90 Center of U.S. Highway No. 89, between Glendale and Orderville, Utah, bears N. 27°30' E. and S. 27°30' W.
- 32.70 Net wire fence, at the S. edge of cultivated land, bears N. 27°30' E. and S. 27°30' W.

SUBDIVISION OF SECTION 26, T. 40 S., R. 7 W.

Chains

35.00 Electric power line, bears NE. and SW.

40.02 The E. 1/16 sec., cor. secs. 23 and 26.
 Land, rolling.
 Soil, shallow loose sand; 3rd rate.
 Timber, juniper and pinon on portions of half mile.
 Undergrowth, sagebrush and weeds on portions of half mile.
 Good grazing land.

From the N. 1/16 sec. cor. secs. 25 and 26.
 S. 89°58' W., on true E. and W. center line of the NE 1/4 sec. 26.

Descend general NW. slope of rolling mountainous land, through medium dense timber and undergrowth.

- 13.80 Low spur, slopes NW.; descend steep W. slope.
- 19.90 The NE. 1/16 sec. cor. of sec. 26, 200 ft. below the N. 1/16 sec. cor.
- 20.00 Telephone line, bears N. 27°30' E. and S. 27°30' W.
- 22.20 Center of U.S. Highway No. 89, between Glendale and Orderville, Utah, bears N. 27°30' E. and S. 27°30' W.
- 23.00 Fence, bears N. 27°30' E. and S. 27°30' W.; thence across cultivated land.
- 29.00 Electric power line, bears NE. and SW.
- 35.40 The Virgin River, 20 lks. wide, 10 ins. deep, in large wide channel, flows S.
- 38.30 Leave cultivated land and ascend E. slope of high bench to the NW., bears N. and S.
- 39.80 The center N. 1/16 sec. cor. sec. 26.

Land, rolling.
 Soil, shallow loose sand with a rocky surface; 4th rate.
 Timber, juniper and pinon on portions of half mile.
 Undergrowth, sagebrush and weeds.
 Good grazing land.

GENERAL DESCRIPTION OF SECTION 26, T. 40 S., R. 7 W.

The land within the boundaries of section 26, T. 40 S., R. 7 W., consists of the broken E. and W. slopes of high benches to the east and northwest, and the cultivated bottom lands of the Virgin River, and what is known as Long Valley. The east portion of the section is of a sandstone formation, while that of the west portion, is of a volcanic formation.

The soil consists of a shallow loose sand with a rocky surface and may be classified as third and fourth rates.

The east, south, and northwest portions of the section, are covered with a medium dense growth of juniper and pinon timber, and also a few scattered spruce and yellow pine. The timber has no commercial value except for fire wood and fencing.

GENERAL DESCRIPTION OF SECTION 26, T. 40 S., R. 7 W.

Chains

The undergrowth consists of short sage, oak, manzanita, service berry, and buck brush, which is found on the slopes of the high mesa and bench land.

U.S. Highway No. 89, a telephone line and an electric power line, bears in a northeasterly and southwesterly direction through the section.

The only water in the section, is the Virgin River, a stream 20 lks. wide, and 10 ins. deep, which flows in a southwesterly direction through the section. The bottom land along this stream, known as Long Valley, is under cultivation. The section is located in the south portion of the town of Glendale, Utah.

Surface indications of coal were found throughout the section, and the Foot Coal Mine, is located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, and one also located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of the section. Except for the coal, no other indications of mineral, oil, or oil shale were found.

Most portions of the section that are not under cultivation, afford good grazing for stock.

CERTIFICATE OF SURVEYOR

Elliot Bird, Associate Cadastral Engineer,
Andrew Nelson, Assistant Cadastral Engineer

I, We,....., HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 21st day of September 1939,
received from the district cadastral engineer for Utah, with assignment
instructions dated June 9, 1941, ^{We} have surveyed ~~made a dependent resurvey of~~
~~a portion of the subdivision, and survey of the subdivision of section~~
26, T. 40 S., R. 7 W.

of the Salt Lake 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 that said
survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

December 15, 1941
Salt Lake City, Utah.

Elliot Bird
Associate Cadastral Engineer
Andrew Nelson
Assistant Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, November 1, 1944.

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the
subdivision, and survey of the subdivision of section 26, T. 40 S.,
R. 7 W.

executed by Elliot Bird, Associate Cadastral Engineer
Andrew Nelson, Assistant Cadastral Engineer
under special instructions dated September 21, 1939, and assignment
instructions dated June 9, 1941, having been critically examined, and
the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
therein described, are hereby approved.

[Signature]
Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 40 S.,
R. 7 W., Utah, is a true copy of the original field notes on file in the public survey office.~~

~~*[Signature]*
Supervisor of Surveys.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

RECEIVED

JAN 7 1942

U. S. Department of Interior
Public Survey Office
Salt Lake City, Utah

FIELD NOTES

DEPENDENT RESURVEY OF A PORTION OF THE EIGHTH STANDARD PARALLEL SOUTH
ROUGH R. 8 W.; A PORTION OF THE SUBDIVISION; AND SUBDIVISION OF
SECTION 32, T. 40 S., R. 8 W.

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Elliot Bird, Associate Cadastral Engineer

Andrew Nelson, Assistant Cadastral Engineer

under special instructions dated September 21, 1939, which provided
the surveys included under Group No. 309, bearing the approval of the
Commissioner of the General Land Office under date of November 3, 1939
assignment instructions dated June 9, 1941.

Survey commenced August 21, 1941.

Survey completed August 27, 1941.

INDEX DIAGRAM.

Township 40 South, Range 8 West

6	5	4	3	2	1
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Subdivision of section 32, pages 8 to 10.

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T. 40 S., R. 8 W..

The official survey of T. 40 S., R. 8 W., Salt Lake Meridian, Utah, is shown upon the township plat approved June 25, 1909. The following field notes are those of a dependent resurvey of the boundaries of section 32, T. 40 S., R. 8 W., and such subdivision of said section as will define and mark the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of the section.

Before reconstructing or restoring the corners, the lines of the original survey were retraced, and search was made for evidence of the original corner monuments and other calls of the field notes. When duly identified or restored, the corner positions were remonumented. In order to simplify the record, the true line notes only are given, which refer to the completed survey.

The survey was commenced August 21, 1941, and executed with Buff and Buff transits Nos. 18003 and 16726, used by Elliot Bird, Associate Cadastral Engineer, and Andrew Nelson, Assistant Cadastral Engineer, respectively. Both instruments are equipped with Smith solar attachments and have full vertical circles. The horizontal limbs of each instrument are provided with 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 circles. The instruments were approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions dated June 9, 1941.

The directions of the lines were determined by angles deflected from controlling meridians established by observations made upon Polaris during the progress of the work. The method of repetition was used, accumulating the horizontal angles. The angles were repeated four times, with the telescope in direct and reversed positions. The lines were carried forward by taking the mean of direct and reversed sights at each instrument station.

The measurements were made with Lallie steel tapes 5 and 8 chains in length, compared with a Lufkin standard steel tape 1 chain in length and found correct. The measurements were made on the slope, the vertical angle of each interval was ascertained with the transits, and the slope measurements properly reduced to true horizontal distances, which appear in this record.

DEPENDENT RESURVEY OF A PORTION EIGHTH STANDARD PARALLEL SOUTH, THROUGH R. 8 W.

Reestablishment of survey executed by
Leo A. Snow, U.S. Deputy Surveyor,
in 1908.

August 21, 1941: Stationed at the standard cor. of secs. 32 and 33, T. 40 S., R. 8 W., in approximate latitude 37°17' N., longitude 112°44' W., at 9h 27.2m a.m. correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from the star, in a counter clockwise direction to a flag about 20 chains to the W. of my station.

Local mean time of observation..... 8h 56.3m a.m.
Mean horizontal deflection angle..... 88°41'
Azimuth of Polaris..... 1°15' W.
True bearing to flag..... N. 89°56' W.
Magnetic declination 16°10' E.

The standard cor. of secs. 32 and 33, T. 40 S., R. 8 W., is a sandstone, 18 x 10 x 5 ins., firmly set, marked 4

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DEPENDENT RESURVEY OF A PORTION EIGHTH STANDARD PARALLEL
SOUTH, THROUGH R. 8 W.

Chains

grooves on E. face, 2 grooves on W. face, and SC on N. face.
Cor. is witnessed by two bearing trees as follows.

A juniper, 12 ins. diam., bears N. 40° E., 57 lks.
dist., marked T4OS R8W S33 BT.

A pinon, 12 ins. diam., bears N. $15^{\circ}28'$ W., 152 lks.
dist., marked T4OS R8W S32 BT.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground and mound of stone, with the original cor. monument
deposited at the base of the post, for standard cor. secs.
32 and 33, with brass cap marked

S C
T4OS R8W
S32 S33

1941

Thence, from the above cor.

N. $89^{\circ}56'$ W., along the S. bdy. sec. 32.

Descend abrupt NW. slope of broken mountainous land,
through medium dense timber and undergrowth.

- 4.60 Enter cultivated land in rolling bottom of meadow Creek,
bears N. and S.
- 9.00 Meadow Creek, stream 10 lks. wide, 3 ins. deep, in bottom
of wash at the W. side of cultivated land, 2.60 chs. wide,
50 ft. deep, and 150 ft. below cor., flows S. 20° W.
- 11.10 Unimproved road at the W. side of bottom lands, bears
N. and S. 20° W.; ascend abrupt NE. slope through dense
timber.
- 18.55 Barbed wire fence, bears N. and S.
- 19.96 On NE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground and mound of stone, for the standard E. 1/16 sec.
cor. sec. 32, with brass cap marked

SC
E <u>1/16</u> S32

1941

from which

A pinon, 7 ins. diam., bears N. $37^{\circ}30'$ E., 34 lks.
dist., marked SC E 1/16 S32 BT.

A juniper, 6 ins. diam., bears N. $57^{\circ}30'$ W., 44 lks.
dist., marked SC E 1/16 S32 BT.

From this cor., a spike in the cross beam of the main
entrance to the Adair Coal Mine, bears N. $72^{\circ}21'$ W., 8.91
chs. dist. The course of the tunnel from the entrance is
S. 87° W.

The entrance to a tunnel of a coal mine, bears N. $65^{\circ}48'$ W.,
9.06 chs. dist. Course of tunnel is N. 21° W.

DEPENDENT RESURVEY OF A PORTION EIGHTH STANDARD PARALLEL
SOUTH, THROUGH R. 8 W.

Chains

- The entrance to a caved in tunnel of a coal mine, bears N. $64^{\circ}12'$ W., 8.93 chs. dist.
- 24.60 Graded road on curve to coal mine, bears N. 30° E. and N. 30° W.
- 35.70 Spur, 420 ft. above Meadow Creek, projects SE.; thence ascend gradual SE. slope.
- 39.92 The standard $\frac{1}{4}$ sec. cor. sec. 32, a sandstone, 14 x 8 x 6 ins., firmly set, marked SC $\frac{1}{4}$ on N. face. Cor. is witnessed by two bearing trees as follows.
- A juniper, 12 ins. diam., bears N. 55° E., 3 lks. dist., marked SC $\frac{1}{4}$ S32 BT.
- A juniper, 12 ins. diam., bears N. $12^{\circ}30'$ W., 116 lks. dist., marked SC $\frac{1}{4}$ S32 BT.
- At the cor. point, on SE. slope.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for standard $\frac{1}{4}$ sec. cor. sec. 32, with brass cap marked
- SC
 $\frac{1}{4}$ S32
- 1941
- Thence, West.
- 16.20 Spur, 130 ft. above last spur, slopes SE.; descend gradual SW. slope.
- 24.02 The closing cor. of secs. 5 and 6, T. 41 S., R. 8 W., an iron post, 2 ins. diam., set, marked, and witnessed, as described in the survey of T. 41 S., R. 8 W.
- 24:50 Draw, 50 ft. below spur, drains SE.; ascend gradual SE. slope.
- 30.00 Spur, 130 ft. above draw, slopes SE.; descend SW. slope.
- 32.10 Ravine, 10 ft. below spur, drains SE.; ascend gradual NE. slope.
- 39.91 The standard cor. secs. 31 and 32, a sandstone, 18 x 8 x 6 ins., firmly set, marked 5 grooves on E. face, 1 groove on W. face, and SC on N. face. Cor. is witnessed by one bearing tree as follows.
- A juniper, 14 ins. diam., bears N. $82^{\circ}35'$ E., 350 lks. dist., marked T40S R8W S32 BT.
- At the cor. point, on gradual SE. slope, 80 ft. above ravine.
- Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for standard cor. secs. 31 and 32, with brass cap marked
- S C
T40S | R8W
S31 S32
- 1941

DEPENDENT RESURVEY OF A PORTION EIGHTH STANDARD PARALLEL
SOUTH, THROUGH R. 8 W.

Chains

Cor. set in line with a barbed wire fence, bears N. and S.
No other bearing tree available.

Land, broken and mountainous.
Soil, deep and shallow clay and blue shale; 4th rate.
Timber, juniper and pinon,
Undergrowth, oak, sage, service berry, and rabbit brush.
Good grazing land.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 8 W.

Reestablishment of surveys executed by
Leo A. Snow, U.S. Deputy Surveyor,
in 1908.

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

N. $0^{\circ}05'$ W., bet. secs. 32 and 33.

Descend gradually along broken W. slope of mountainous
land, through medium dense timber and undergrowth.

12.10 Barbed wire fence, bears N. 60° W. and S. 60° E.

18.00 Leave timber and enter dense tall undergrowth in bottom
lands of Meadow Creek, bears NE. and SW.

20.01 True point for the S. 1/16 sec. cor. secs. 32 and 33, falls
in bottom of wash of Meadow Creek, where it is impossible
to set a permanent cor. Meadow creek is a stream 6 lks.
wide, 3 ins. deep, in bottom of deep clay wash, 4.50 chs.
wide, 50 ft. deep, flows SW.

At a point, N. $89^{\circ}52'$ W., 1.41 chs. dist. from the true
cor. point, near top of NW. bank of wash.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground and mound of stone, for witness cor. to the S. 1/16
sec. cor. secs. 32 and 33, with brass cap marked

S 1/16
S32 | S33 WC
1941

from which

A juniper, 18 ins. diam., bears S. $86^{\circ}45'$ W., 466 lks.
dist., marked WC S 1/16 S32 BT.

No other suitable bearing tree available.

Continue line and measurement from true cor. point.

24.70 Unimproved road, bears NE. and SW.

30.10 Small wash ~~draining SE.~~ at base of abrupt ascent over S.
slope, through medium dense timber.

35.90 Spur, 170 ft. above Meadow Creek, slopes E.; descend N.
slope.

39.40 Ravine, 20 ft. below spur, drains E.; ascend abrupt S.
slope.

40.02 The $\frac{1}{4}$ sec. cor. secs. 32 and 33, a sandstone, 18 x 12 x 3
ins., firmly set, marked $\frac{1}{4}$ on W. face. Cor. is witnessed
by two bearing trees as follows.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 2 W.

Chains

A juniper, 18 ins. diam., bears N. 73° E., 23 lks. dist., marked $\frac{1}{4}$ S33 BT.

A pinon, 7 ins. diam., bears N. 75° 15' W., 39 lks. dist., marked $\frac{1}{4}$ S32 BT.

At the cor. point; on steep S. slope, 10 ft. above ravine.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ sec. cor. with brass cap marked

$\frac{1}{4}$
S32 S33
1941

Thence, N. 0° 29' E.

- 1.20 Low spur, slopes E.
- 2.20 The NE. end of barbed wire from the SW.
- 7.60 Small gulch, drains E.
- 18.70 Top of ascent on S. slope, 160 ft. above the $\frac{1}{4}$ sec. cor., bears E. and W.; thence ascend gradually along E. slope.
- 20.70 Unimproved road, bears NW. and SE., at the S. end of net wire fence from the N.
- 39.90 The cor. of secs. 28, 29, 32, and 33, a sandstone, 20 x 12 x 7 ins., firmly set, marked 4 grooves on E. face and 1 groove on S. face. Cor. is witnessed by a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, to the W. of the cor. monument.

At the cor. point, on E. slope, 200 ft. above the $\frac{1}{4}$ sec. cor., 20 lks. E. of cor. fences bearing S. and W.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for cor. secs. 28, 29, 32, and 33, with brass cap marked

T40S R8W
S29 S28
S32 S33
1941

I mark bearing trees to cor. as follows.

A juniper, 6 ins. diam., bears S. 45° W., 155 lks. dist., marked T40S R8W S32 BT.

A juniper, 6 ins. diam., bears N. 22° 45' W., 123 lks. dist., marked T40S R8W S29 BT.

No other suitable bearing trees available.

Land, broken and mountainous.

Soil, deep blue clay with a rocky surface; 4th rate.

Timber, juniper and pinon.

Undergrowth, greasewood, sage, oak, service berry, brush; dense rabbit brush along bottom lands of Meadow Creek.

Good grazing land.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 8 W.

Chains

N. 89°58' W., bet. secs. 29 and 32.

Ascend gradual E. slope of broken mountainous land, through medium dense timber and undergrowth. Line follows along net wire fence.

19.30 Unimproved road, bears N. and S.

19.50 Junction of fence from the N. with fence bearing E. and W.

20.20 Junction of unimproved road from the W., with road bearing NW. and SE.; thence along road.

29.20 Leave road, bears SW. from the E.

40.25 The $\frac{1}{4}$ sec. cor. secs. 29 and 32, a sandstone, 19 x 12 x 8 ins., firmly set, marked $\frac{1}{4}$ on N. face. cor. is witnessed by a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, to the N. of the cor. monument.

At the cor. point, on general E. slope, 180 ft. above sec. cor., in fence line, bearing E. and W.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for $\frac{1}{4}$ sec. cor., with brass cap marked

S29.

 $\frac{1}{4}$

S32

1941

No suitable bearing trees available.

Thence, N. 89°57' W.

13.20 Top of ascent, 160 ft. above the $\frac{1}{4}$ sec. cor., bears N. and S.; descend gradually.

16.20 Small ravine; 20 ft. below top of ascent, drains NE.; ascend gradually along N. slope.

18.40 Top of ascent on N. slope; descend gradual NW. slope.

20.20 Leave tall undergrowth and enter sagebrush swale, bears NE. and SW.

28.80 Leave sagebrush swale which drains NE.; ascend SE. slope, through dense undergrowth.

34.80 Fence from the E., bears southwesterly.

39.72 The cor. of secs. 29, 30, 31, and 32, a sandstone, 24 x 6 x 4 ins., firmly set, marked 5 notches on E. edge and 1 notch on W. edge. Cor. is witnessed by four bearing trees as follows.

A pinon, 10 ins. diam., bears N. 42°30' E., 48 lks. dist., marked T40S R8W S29 BT.

A pinon, 5 ins. diam., bears S. 40° E., 107 lks. dist., marked T40S R8W S32 BT.

A pinon, 5 ins. diam., bears S. 57° W., 29 lks. dist., marked T40S R8W S31 BT.

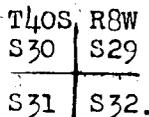
A pinon, 18 ins. diam., bears N. 2°15' W., 69 lks. dist., marked T40S R8W S30 BT.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 8 W.

Chains

At the cor. point, on steep S. slope, 160 ft. above swale.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for cor. secs. 29, 30, 31, and 32, with brass cap marked



1941

Land, rolling and mountainous.

Soil, shallow gravel and clay, with a rocky surface; 4th rate.

Undergrowth, sage, oak, and service berry brush.

Timber, juniper and pinon on portions of mile.

Good grazing land.

S. 0°01' E., bet. secs. 31 and 32.

Descend abrupt S. slope of broken mountainous land, through dense tall undergrowth and scattered timber.

3.40 Junction of barbed wire fence from the S., with fence bearing NE. and W., at base of abrupt descent, bears E. and W.; thence descend gradual S. slope, along fence line.

20.70 Swale, 140 ft. below cor., drains SE.; ascend gradually.

22.50 Small rise, 30 ft. above swale, bears E. and W.; descend S. slope.

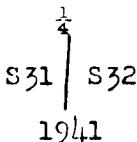
34.50 Dim road, bears E. and SW.

35.50 Swale, 40 ft. below rise, drains S.; continue descent.

39.72 The 1/4 sec. cor. secs. 31 and 32, a sandstone, 16 x 9 x 6 ins., firmly set; marked 1/4 on W. face. Cor. has no accessories.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for 1/4 sec. cor., with brass cap marked



No bearing trees available.

Thence, S. 0°09' W.

28.10 Low rise, bears NW. and SE.

34.70 Shallow swale, drains SE.

40.21 The standard cor. secs. 31 and 32, 70 ft. below the 1/4 sec. cor.

Land, rolling and mountainous.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 40 S., R. 8 W.

Chains

Soil, shallow gravel and clay; 3rd rate.
 Timber, a few scattered juniper and pinon.
 Undergrowth, tall oak, sage, and service berry brush.
 Good grazing land.

SUBDIVISION OF SECTION 32, T. 40 S., R. 8 W.

From the standard $\frac{1}{4}$ sec. cor. sec. 32, on the S. bdy. of the township.

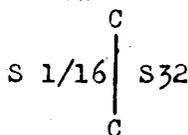
N. $0^{\circ}02'$ W., on true N. and S. center line sec. 32.

Ascend gradual SE. slope of broken mountainous land, through dense timber and undergrowth.

18.00 Spur, 80 ft. above cor., slopes SE.; descend NE. slope.

20.06 On gradual NE. slope, 20 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for center S. $\frac{1}{16}$ sec. cor. sec. 32, with brass cap marked



1941

from which

A juniper, 9 ins. diam., bears S. 49° E., 51 lks. dist., marked CS $\frac{1}{16}$ S32 BT.

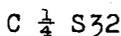
A juniper, 5 ins. diam., bears N. 25° W., 25 lks. dist., marked CS $\frac{1}{16}$ S32 BT.

30.60 Ravine; 40 ft. below cor., drains E.; ascend abrupt S. slope.

38.80 Spur, 150 ft. above ravine, projects S. 80° E.; leave timber, bears E. and W.; descend gradual N. slope.

40.12 On gradual N. slope, 10 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, and mound of stone, for center $\frac{1}{4}$ sec. cor. sec. 32, with brass cap marked



1941

from which

A juniper, 8 ins. diam., bears S. 18° W., 78 lks. dist., marked C $\frac{1}{4}$ S32 BT.

No other bearing tree available.

Cor. set at the intersection of true E. and W. center line sec. 32.

August 25, 1941: Stationed at the above cor., in approximate latitude $37^{\circ}18'$ N., longitude $112^{\circ}45'$ W., at 9h 41.6m a.m. correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and

SUBDIVISION OF SECTION 32, T. 40 S., R. 8 W.

Chains

reversed positions, reading the horizontal deflection angle from a flag at the $\frac{1}{4}$ sec. cor. secs. 29 and 32, in a counter clockwise direction to the star.

Local mean time of observation..... 9h 10.6m a.m.
 Mean horizontal deflection angle..... 1° 15'
 Azimuth of Polaris..... 1° 17' W.
 True bearing to cor..... N. 0°02' W.

70.10 Unimproved road, bears N. 80° E. and S. 70° W.

79.95 The $\frac{1}{4}$ sec. cor. secs. 29 and 32, at the same elevation as the center $\frac{1}{4}$ sec. cor.

Land, mountainous, with a general easterly and southeasterly exposure and drainage.
 Soil, gravel and clay, with a rocky surface; 3rd rate.
 Timber, juniper and pinon on S. portion of mile.
 Undergrowth, oak, sage, and service berry brush.
 Good grazing land.

From the $\frac{1}{4}$ sec. cor. secs. 32 and 33.

N. 89°51' W., on true E. and W. center line of sec. 32.

Ascend abruptly along broken S. slope of mountainous land, through medium dense timber and undergrowth.

1.00 Shallow draw, drains SE.; ascend NE. slope.

3.70 Spur, 60 ft. above cor., slopes SE. descend gradually.

4.90 Barbed wire fence, bears N. and S.

9.40 Gulch, 30 ft. below spur, drains SE.; ascend NE. slope.

19.94 On NE. slope, 340 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for center E. 1/16 sec. cor. sec. 32, with brass cap marked

E 1/16
 C $\frac{\text{---}}{\text{S32}}$ C

1941

from which

A juniper, 8 ins. diam., bears N. 77°30' E., 46 lks. dist., marked CE 1/16 S32 BT.

A juniper, 6 ins. diam., bears S. 23°45' E., 37 lks. dist., marked CE 1/16 S32 BT.

A pinon, 6 ins. diam., bears S. 27°30' W., 13 lks. dist., marked CE 1/16 S32 BT.

39.88 The center $\frac{1}{4}$ sec. cor. sec. 32, 180 ft. above the center E. 1/16 sec. cor.

46.50 Low timbered spur, projects SE.; descend gradual SW. slope.

54.30 Ravine, drains SE.

67.30 Ravine, drains S. 60° E.

73.00 Slope changes from a SE. slope to a S. slope.

SUBDIVISION OF SECTION 32, T. 40 S., R. 8 W.

Chains

79.62 The $\frac{1}{4}$ sec. cor. secs. 31 and 32, 250 ft. above last cor.

Land, rough and mountainous.

Soil, clay and gravel, with a rocky surface; 4th rate.

Timber, juniper and pinon.

Undergrowth, tall oak, sage, and service berry brush.

Good grazing land.

From the standard E. $1/16$ sec. cor. sec. 32.

N. $0^{\circ}03'$ W., on true N. and S. center line SE $\frac{1}{4}$ sec. 32.

Along broken E. slope of mountainous land, through dense timber and undergrowth.

1.90 Small ravine, drains E.

3.70 Low spur, projects E.

6.60 Small draw, drains E.

7.00 Graded road, bears NE., and SW. to Adair Coal Mine.

11.60 Spur, 100 ft. above cor., projects E.; descend broken NE. and E. slopes.

17.30 Draw, 30 ft. below spur, drains E.

20.03 On abrupt E. slope; at the intersection with the true E. and W. center line of the SE $\frac{1}{4}$ sec. 32.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the SE. $1/16$ sec. cor. sec. 32, with brass cap marked

SE $1/16$ S32

1941

from which

A juniper, 10 ins. diam., bears N. 55° E., 79 lks. dist., marked SE $1/16$ S32 BT.

A juniper, 10 ins. diam., bears S. 48° W., 47 lks. dist., marked SE $1/16$ S32 BT.

21.60 Wash, 100 lks. wide, 10 ft. deep, in draw, drains E.

26.40 Base of abrupt ascent over S. slope, bears E. and W.

30.90 Top of abrupt ascent, 330 ft. above wash, bears E. and W.

42.06 The center E. $1/16$ sec. cor. sec. 32.

Land, broken and mountainous.

Soil, clay and gravel, 4th rate.

Timber, juniper and pinon.

Undergrowth, sage, oak, and service berry brush.

Good grazing land.

From the true point for the S. $1/16$ sec. cor. secs. 32 and 33.

N. $29^{\circ}52'$ W., on true E. and W. center line SE $\frac{1}{4}$ sec. 32.

Ascend abrupt vertical NW. bank of Meadow Creek.

1.51 The witness cor. to the S. $1/16$ sec. cor. sec. 32, on W.

SUBDIVISION OF SECTION 32, T. 40 S., R. 8 W.

Chains

bank of Meadow Creek, bears N. 20° E. and S. 20° W.; thence through tall dense rabbit brush and bottom lands of Meadow Creek.

- 4.50 Unimproved road at the W. side of bottom lands of Meadow Creek, bears N. and S. 20° W.; ascend abrupt E. slope of broken mountainous land, through dense timber and undergrowth.
- 11.40 Spur, 90 ft. above cor., slopes SE., about 5.00 chs. dist. to end; descend gradually along S. slope.
- 17.20 From this point, a coal prospect hole, bears North, 2.00 chs. dist.
- 18.00 Wide grassy draw, 50 ft. below spur, drains SE.; ascend abrupt NE. slope.
- 19.95 The SE. 1/16 sec. cor. sec. 32.
- 21.70 From this point, a small seep of good water, bears North, 70 lks. dist.
- 23.00 Barbed wire fence, bears N. and S.
- 39.90 The center S. 1/16 sec. cor. sec. 32, 460 ft. above the SE. 1/16 sec. cor.

Land, rough and mountainous.

Soil, deep blue clay, with a gravelly surface; 4th rate.

Timber, juniper and pinon.

Undergrowth, rabbit, sage, oak, and service berry brush.

Good grazing land.

GENERAL DESCRIPTION OF SECTION 32, T. 40 S., R. 8 W.

The lands within the boundaries of section 32, T. 40 S., R. 8 W., Salt Lake Meridian, Utah, consist of rolling and broken mountainous land, which has a general southeasterly exposure and drainage, and is of a sandstone and blue shale formation.

The southeast portion of the section is covered with a medium dense growth of scrub juniper and pinon timber, which has no commercial value except for firewood and fencing. The entire section is covered with a medium dense tall undergrowth of sage, oak, and service berry brush. Along the bottom lands of Meadow Creek, a dense tall growth of rabbit brush is found.

The soil consists of a deep heavy blue clay and shale, with a rocky surface, and may be classified as fourth rate.

The only stream in the section is Meadow Creek, 10 links wide, and 3 ins. deep, which flows in a southwesterly direction through the E $\frac{1}{2}$ SE $\frac{1}{4}$. The only other water in the section, is a small seep located in the southeast portion of the NW $\frac{1}{4}$ SE $\frac{1}{4}$.

Outcroppings of coal were found throughout the east half of the section. Two tunnels known as the Adair Coal Mine, are located in the southeast portion of the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of the section.

At the time of the survey, this mine was not operating. Except for the coal, no other indication of mineral, oil shale, or oil was found.

The only portion of the section that is suitable for farming, is the bottom lands of Meadow Creek, and a small patch of dry land grain was being grown in the southeast portion of the section. No settlers were living in the section at the time of the survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD NOTES

DEPENDENT RESURVEY PORTION OF THE SUBDIVISION; AND SUBDIVISION OF
SECTION 9, T. 41 S., R. 7 W.

Of the Salt Lake Meridian,
the State of Utah.

EXECUTED BY

Ellicott Bird, Associate Cadastral Engineer

Andrew Nelson, Assistant Cadastral Engineer

Under special instructions dated September 21, 1939, which provided
the surveys included under Group No. 309, bearing the approval of the
Commissioner of the General Land Office under date of November 3, 1939
Assignment instructions dated June 9, 1941.

Survey commenced September 4, 1941.

Survey completed September 8, 1941.

INDEX DIAGRAM.

Township 41 South, Range 7 West

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6-161

Subdivision of section 9, pages 4 to 6.

1753

T. 41 S., R. 7 W.

Chains

The official survey of T. 41 S., R. 7 W., Salt Lake Meridian, Utah, is shown on township plats approved in 1877 and 1926. The following field notes are those of a dependent resurvey of a portion of the boundaries of section 9, T. 41 S., R. 7 W., and such subdivision of section surveys that will define and mark the boundaries of coal lands and coal leases in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of said section. The west half of section 9, was surveyed by T.C. Bailey in 1876, and in 1924, Andrew Nelson, Cadastral Engineer, resurveyed the west half and surveyed the east half of said section. All the corners of the boundary of the section, are monumented with the regulation iron post corners, and it was found necessary to make a dependent resurvey only of the west half mile of the line between sections 9 and 16, and the south half mile between sections 8 and 9.

In order to simplify the record, the true line notes only are given, which refer to the completed survey.

The survey was commenced September 4, 1941, and executed with Buff and Buff transits Nos. 18003 and 16726, used by Elliot Bird, Associate Cadastral Engineer, and Andrew Nelson, Assistant Cadastral Engineer, respectively. Both instruments are equipped with Smith solar attachments and have full vertical circles. The horizontal limb of each transit is provided with 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 circles. The instruments were approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions dated June 9, 1941.

The directions of the lines were determined by angles deflected from controlling meridians established by observations made upon Polaris during the progress of the work. The method of repetition was used, accumulating the horizontal angles. The angles were repeated four times with the telescope in direct and reversed positions. The lines were carried forward by taking the mean of direct and reversed sights at each instrument station.

The measurements were made with Lallie steel tapes 5 and 8 chains in length. The tapes were graduated every link for the first 100 links and thereafter at intervals of 10 links. The measurements were made on the slope, the vertical angle of each interval ascertained with the transits and the slope measurements properly reduced to true horizontal distance. The tapes were tested, comparison being made with a Lufkin standard steel tape, 1 chain in length and found correct.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 41 S., R. 7 W.

Reestablishment of surveys executed by
T.C. Bailey in 1876, and resurvey by
Andrew Nelson, in 1924.

September 4, 1941: Stationed at the $\frac{1}{4}$ sec. cor. of secs. 9 and 16, T. 41 S., R. 7 W., in approximate latitude 37°15'30" N., longitude 112°37' W., at 8h 43.3m a.m. correct 105th meridian standard time, I make an hour angle observation upon Polaris, west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a tree on the sky line about 4 miles north, in a counter clockwise direction to the star

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 41 S., R. 7 W.

Chains

- Local mean time of observation.....8h 12.8m a.m.
- Mean horizontal deflection angle..... 1° 16'
- Azimuth of Polaris..... 1° 16' W.
- True bearing to tree..... North.
- Magnetic declination..... 16°00' E.

The $\frac{1}{4}$ sec. cor. of secs. 9 and 16, is an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record.

Thence, from the above cor.

West, bet. secs. 9 and 16.

Ascend gradual NE. slope of rolling mountainous land, through medium dense timber and undergrowth.

3.50 Top of ascent, 30 ft. above cor., bears NW. and SE.; descend gradual W. slope.

15.00 Spur, 60 ft. below top of ascent, slopes N. 70° W.; descend gradually along broken SW. slope.

20.00 On broken SW. slope, 30 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the W. $\frac{1}{16}$ sec. cor. secs. 9 and 16, with brass cap marked

	S9
W $\frac{1}{16}$	-----
	S16

1941

from which

A pinon, 12 ins. diam., bears N. 61°15' E., 88 lks. dist., marked W $\frac{1}{16}$ S9 BT.

A juniper, 10 ins. diam., bears S. 57°30' E., 176 lks. dist., marked W $\frac{1}{16}$ S16 BT.

From this cor., the portal to a coal mine, bears S. 32°27' E., 2.52 chs. dist.

21.20 Low spur, slopes S. 20° W., 5.00 chs. dist. to end.

31.70 Unimproved road, bears N. 80° W. to Mount Carmel, Ut. and S. 80° E. to coal mine.

34.70 Wide shallow wash in large draw, 130 ft. below cor., drains N. 60° W.; ascend gradual NE. slope.

40.00 The cor. of secs. 8, 9, 16, and 17, a sandstone, 36 x 30 x 12 ins., set, marked, and witnessed, as described in the official record.

At the cor. point, on NE. slope, 40 ft. above wash.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited alongside, for cor. secs. 8, 9, 16, and 17, with brass cap marked

T41S R7W	
S8	S9

S17	S16

1941

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 41 S., R. 7 W.

Chains

I mark additional bearing trees to cor. as follows:

A juniper, 4 ins. diam., bears N. 45°45' E., 24 lks. dist., marked BT.

A pinon, 4 ins. diam., bears S. 37° W., 70 lks. dist., marked BT.

A juniper, 4 ins. diam., bears N. 6° W., 101 lks. dist., marked BT.

No larger bearing trees available.

Land, mountainous.

Soil, shallow blue clay with a rocky surface; 4th rate.

Timber, juniper and pinon.

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

Good grazing land.

N. 1°03' E., bet. secs. 8 and 9.

Descend gradual N. slope of rolling mountainous land, through medium dense timber and undergrowth.

3.30 Wide shallow wash in large draw, 40 ft. below cor., drains W.

5.30 Wide shallow wash, drains W.

6.00 Unimproved road, bears S. 60° E. to coal mine and W. to Mount Carmel, Ut.; thence ascend gradual SE. slope.

14.40 Top of S. rim of bench, 90 ft. above draw, bears N. 50° E. and S. 50° W.; thence over level top of bench.

19.80 Barbed wire fence, bears E. and W.

20.01 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the S. 1/16 sec. cor. secs. 8 and 9, with brass cap marked

S 1/16

S8 | S9

1941

from which

A juniper, 5 ins. diam., bears N. 50°15' E., 32 lks. dist., marked S 1/16 S9 BT.

A juniper, 5 ins. diam., bears S. 56°15' W., 32 lks. dist., marked S 1/16 S8 BT.

Thence, descend N. slope.

25.70 Draw, 50 ft. below cor., drains N. 65° W.; ascend SW. slope.

28.80 Sharp spur, 50 ft. above draw, projects W., 4.00 chs. dist. to end; descend N. slope.

31.10 Draw, 70 ft. below spur, drains S. 80° W.; ascend SE. slope.

34.80 Top of S. rim of bench, 90 ft. above draw, bears N. 75° W. and S. 75° E.; thence over rolling top of bench.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 41 S., R. 7 W.

Chains

40.02 The 1/4 sec. cor. secs. 8 and 9, an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record.

Land, rolling and mountainous.
Soil, shallow clay and sand; 3rd rate.
Timber, juniper and pinon.
Undergrowth, sage, buck, and service berry brush.
Good grazing land.

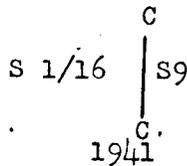
SUBDIVISION OF SECTION 9, T. 41 S., R. 7 W.

From the 1/4 sec. cor. secs. 9 and 16.

N. 4°45' E., on true N. and S. center line of sec. 9.

Descend gradually along W. slope of rolling mountainous land, through medium dense timber and undergrowth.

- 4.40 Top of S. rim of ravine, bears E. and W.
- 7.60 Bottom of ravine, 90 ft. below cor., drains W.
- 17.00 Top of N. rim of ravine, 90 ft. above bottom, bears E. and W.
- 20.09 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for center S. 1/16 sec. cor. sec. 9, with brass cap marked

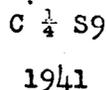


from which

A juniper, 7 ins. diam., bears N. 23°30' E., 36 lks. dist., marked CS 1/16 S9 BT.

A juniper, 6 ins. diam., bears N. 58°30' W., 36 lks. dist., marked CS 1/16 S9 BT.

- 23.10 Barbed wire fence, bears N. 80° E. and S. 80° W.
- 28.90 Top of S. rim of ravine, bears E. and W.
- 30.90 Bottom of ravine, 120 ft. below rim, drains W.
- 35.00 Top of N. rim of ravine, bears E. and W.
- 40.18 At the intersection with the true E. and W. center line sec. 9; on gradual W. slope, 120 ft. above bottom of ravine.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the center 1/4 sec. cor. sec. 9, with brass cap marked



from which

A juniper, 6 ins. diam., bears S. 49°30' E., 60 lks. dist., marked C 1/4 S9 BT.

SUBDIVISION OF SECTION 9, T. 41 S., R. 7 W.

Chains

A juniper, 6 ins. diam., bears N. $66^{\circ}30'$ W., 85 lks. dist., marked C $\frac{1}{4}$ S9 BT.

- 45.70 Top of S. rim of ravine, bears N. 80° W. and S. 80° E.
 48.50 Bottom of ravine, 80 ft. below rim, drains N. 80° W.; ascend SW. slope.
 51.20 Top of N. rim of ravine, 110 ft. above bottom, bears N. 80° W. and S. 80° E.
 56.50 Top of S. rim of ravine, bears NW. and SE.
 65.30 Junction of ravines from the E. and S. 70° E., drains N. 70° W., 120 ft. below rim; ascend SW. slope.
 75.60 Spur, 100 ft. above ravine, slopes W., about 15 chains dist. to end; descend N. slope.
 77.50 Small ravine, drains W.; continue descent over N. slope.
 80.36 The $\frac{1}{4}$ sec. cor. secs. 4 and 9, an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record. Cor. is 30 ft. below spur.

Land, rolling and mountainous.
 Soil, shallow loose sand; 3rd rate.
 Timber, juniper and pinon.
 Undergrowth, sage, service berry, and buck brush.
 Good grazing land.

From the $\frac{1}{4}$ sec. cor. secs. 8 and 9.

East, on true E. and W. center line sec. 9, for visible signal at the $\frac{1}{4}$ sec. cor. on the E. bdy. sec. 9.

Ascend gradual W. slope of rolling mountainous land, through medium dense timber and undergrowth.

- 21.05 Barbed wire fence bears N. and S.
 21.29 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the center W. $\frac{1}{16}$ sec. cor. sec. 9, with brass cap marked

W $\frac{1}{16}$
 C ——— C
 S9
 1941

from which

A pinon, 12 ins. diam., bears S. 72° E., 6 lks. dist., marked CW $\frac{1}{16}$ S9 BT.

A pinon, 7 ins. diam., bears N. 42° W., 68 lks. dist., marked CW $\frac{1}{16}$ S9 BT.

Cor. set on gradual W. slope, 70 ft. above the $\frac{1}{4}$ sec. cor.

- 42.59 The center $\frac{1}{4}$ sec. cor. sec. 9, 90 ft. above the center W. $\frac{1}{16}$ sec. cor.

Land, rolling and mountainous.
 Soil, shallow deep loose sand; 3rd rate.
 Timber, juniper and pinon.
 Undergrowth, sage, service berry, and buck brush.
 Good grazing land.

SUBDIVISION OF SECTION 9, T. 41 S., R. 7 W.

Chains

From the W. 1/16 sec. cor. secs. 9 and 16.

N. 2°52' E., on true N. and S. center line SW $\frac{1}{4}$ sec. 9.

Ascend steep S. slope of mountainous land, through medium dense timber and undergrowth.

0.60 Sharp spur, 20 ft. above cor., projects N. 70° W.; descend steep NE. slope.

10.10 Ravine, 90 ft. below spur, drains N. 80° W.; ascend steep S. slope.

16.60 Top of N. rim of ravine, 130 ft. above bottom, bears N. 85° W. and S. 85° E.; thence over rolling bench land.

18.80 Barbed wire fence, bears W., and E. 16 lks. dist., thence N.

20.05 At the intersection with the true E. and W. center line SW $\frac{1}{4}$ sec. 9.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the SW. 1/16 sec. cor. sec. 9, with brass cap marked

SW 1/16 S9

1941

from which

A juniper, 7 ins. diam., bears S. 16°30' E., 50 lks. dist., marked SW 1/16 S9 BT.

A juniper, 6 ins. diam., bears N. 69° W., 47 lks. dist., marked SW 1/16 S9 BT.

27.50 Top of S. rim of ravine, bears N. 80° E. and S. 80° W.

31.60 Bottom of ravine, 70 ft. below rim, drains S. 80° W.

34.30 Top of N. rim of ravine, bears N. 80° E. and S. 80° W.

40.10 The center W. 1/16 sec. cor. sec. 9.

Land, rolling and mountainous.

Soil, shallow and deep loose sand; 3rd rate.

Timber, juniper and pinon.

Undergrowth, sage, service berry, and buck brush.

Good grazing land.

From the center S. 1/16 sec. cor. sec. 9.

West, on true E. and W. center line SW $\frac{1}{4}$ sec. 9.

Descend gradual W. slope of rolling bench land, through medium dense timber and undergrowth.

20.49 Barbed wire fence bears N. and S.

20.65 The SW. 1/16 sec. cor. sec. 9, 110 ft. below the center S. 1/16 sec. cor.

41.30 The S. 1/16 sec. cor. secs. 8 and 9, 40 ft. below the SW. 1/16 sec. cor.

Land, rolling, with a general westerly exposure.

Soil, shallow and deep loose sand; 3rd rate.

Undergrowth, sage and service berry brush.

Timber, juniper and pinon.

Good grazing land.

GENERAL DESCRIPTION OF SECTION 9, T. 41 S., R. 7 W.

Chains

The land within the boundaries of section 9, T. 41 S., R. 7 W., Salt Lake Meridian, Utah, consists of the broken W. face and rolling foot hills, of a high mesa to the E. It has a general westerly exposure and drainage, and is of a sandstone formation.

The soil consists of shallow and deep loose red sand, with blue clay and shale, and may be classified as third and fourth rates.

The section is covered with a medium dense growth of juniper and pinon timber, and an undergrowth of sage, service berry, and buck brush. The timber has no commercial value except for firewood and fencing.

A small portion of the northwest part of the section is under cultivation, but the remainder of the section is suitable only for grazing purposes.

Outcroppings of coal were found in the south and southwest portions of the section, and except for these coal outcroppings, no other indications of mineral, oil, or oil shale were found. From the W. 1/16 section cor. secs. 9 and 16, the portal to a coal mine, bears S. 32°27' E., 2.52 chs. dist. At the time of the survey, this coal mine was not operating.

No settlers were living on the section.

CERTIFICATE OF SURVEYOR

Elliot Bird, Associate Cadastral Engineer,
We, Andrew Nelson, Assistant Cadastral Engineer, HEREBY CERTIFY upon honor that,

pursuance of special instructions bearing date of the 21st day of September, 1939,
received from the district cadastral engineer for Utah, with assignment
instructions dated June 9, 1941, We have surveyed made a dependent resurvey of
a portion of the subdivision, and survey of the subdivision of section
9, T. 41 S., R. 7 W.,

of the Salt Lake Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by us and under our direction, and that said
survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey
of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

December 8, 1941
Salt Lake City, Utah.

Elliot Bird
Associate Cadastral Engineer
Andrew Nelson
Assistant Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, November 1, 1944.

The foregoing field notes of the ~~survey of dependent resurvey of a portion of the~~
~~subdivision, and survey of the subdivision of section 9, T. 41 S.,~~
~~R. 7 W.,~~

executed by Elliot Bird, Associate Cadastral Engineer
Andrew Nelson, Assistant Cadastral Engineer
under special instructions dated September 21, 1939, and assignment
instructions dated June 9, 1941, having been critically examined, and
the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey
therein described, are hereby approved.

[Signature]
Supervisor of Surveys.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 41 S.
R. 7 W., Utah, is a true copy of the original field notes on file in the public survey office.

[Signature]
Supervisor of Surveys.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

FIELD NOTES

DEPENDENT RESURVEY OF A PORTION EIGHTH STANDARD PARALLEL SOUTH
THROUGH R. 9 W.; A PORTION OF THE EAST BOUNDARY AND SUBDIVISION;
AND SURVEY OF THE SUBDIVISION OF SECTION 1, T. 41 S., R. 9 W.

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Elliot Bird, Associate Cadastral Engineer

Andrew Nelson, Assistant Cadastral Engineer

Under special instructions dated September 21, 1939, which provided
for the surveys included under Group No. 309, bearing the approval of the
Commissioner of the General Land Office under date of November 3, 1939
and assignment instructions dated June 9, 1941.

Survey commenced August 28, 1941.

Survey completed September 3, 1941.

INDEX DIAGRAM.

Township 41 South, Range 9 West

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30	29	28	27	26	25	
31	32	33	34	35	36	

1752

T. 41 S., R. 9 W.

The official survey of T. 41 S., R. 9 W., Salt Lake Meridian, Utah, is shown upon township plat approved June 27, 1910. The following field notes are those of a dependent resurvey of the boundaries of section 1, T. 41 S., R. 9 W., and such subdivision of section surveys as will define and mark coal lands and leases in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ and SW $\frac{1}{4}$ SE $\frac{1}{4}$ of said section.

Before reconstructing or restoring the corners, the lines of the original survey were retraced. When the original corners were duly identified or restored, the corner positions were remonumented. In order to simplify the record, the true line notes only are given, which refer to the completed survey.

The survey was commenced August 23, 1941, and executed with Buff and Buff transits Nos. 13003 and 13726, used by Elliot Bird, Associate Cadastral Engineer, and Andrew Nelson, Assistant Cadastral Engineer, respectively. Both instruments are equipped with Smith solar attachments and have full vertical circles. The horizontal limb of each instrument is provided with 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 circles. The instruments were approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions dated June 9, 1941.

The directions of the lines were determined by angles deflected from true meridians established by observations made upon Polaris during the progress of the work. The method of repetition was used, accumulating the horizontal angles. The angles were repeated four times, with the telescope in direct and reversed positions. The lines were carried forward by taking the mean of direct and reversed sights at each instrument station.

The measurements were made with Lallie steel tapes 5 and 8 chains in length, compared with a Lufkin standard steel tape, 1 chain in length and found correct. The tapes were graduated every link for the first 100 links and thereafter at intervals of 10 links. The measurements were made on the slope, the vertical angle of each interval ascertained with the transits, and the slope measurements properly reduced to true horizontal distances, which appear in this record.

DEPENDENT RESURVEY OF A PORTION EIGHTH STANDARD PARALLEL SOUTH, THROUGH R. 9 W.

Reestablishment of surveys executed by
Leo A. Snow, U.S. Deputy Surveyor,
in 1900.

August 28, 1941: Stationed at the standard cor. of T. 40 S., Rs. 8 and 9 W., in approximate latitude 37°17' N., longitude 112°46' W., at 9h 59.8m a.m. correct 105th meridian standard time, I make an hour angle observation upon Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a point on a ledge about 2 miles to the N., in a counter clockwise direction to the star.

- Local mean time of observation.....9h 28.7m a.m.
- Mean horizontal deflection angle.....1° 17'
- Azimuth of Polaris.....1° 17' W.
- True bearing to point on ledge.....North.
- Magnetic declination at station.....15°00' E.

DEPENDENT RESURVEY OF A PORTION EIGHTH STANDARD PARALLEL SOUTH, THROUGH R. 9 W..

Chains

The standard cor. of Ts. 40 S., Rs. 8 and 9 W., is a sandstone, 18 x 10 x 5 ins., loosely set, marked SC 40S on N. face, 8W on E. face, 9W on W. face, and 6 grooves on N., E., and W. faces. Cor. has no accessories, and is set on edge of E. bank of Little Meadow Creek, which flows S., through a wash, 1.00 ch. wide and 40 ft. deep. Cor. is subject to being washed out, therefore at a point, S. 89°59' E., 50 lks. dist. from said cor.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground and mound of stone, for witness cor. to the standard cor. Ts. 40 S., Rs. 8 and 9 W., with brass cap marked

	SC	
	THOS	
R9W		R8W
WC S36		S31

1941

deposit a sandstone, 10 x 10 x 8 ins., marked X., at base of post.

Thence, from the cor. monument at the true point for the standard township cor.

N. 89°59' W., along the S. bdy. sec. 36.

Ascend gradual E. slope of broken mountainous land, through dense tall undergrowth and very scattered timber.

- 0.15 Channel of Little Meadow Creek, dry, 30 lks. wide, 15 ft. deep, drains S. 10° W.
- 0.60 Irrigation ditch, 2 lks. wide, 1 ft. deep, drains S. 20° W.
- 8.20 Low spur, 100 ft. above cor., slopes S. 10° E.; descend abrupt W. slope.
- 10.20 Small stream, 2 lks. wide, 2 ins. deep, in gulch, 60 ft. below spur, flows S. 20° E.; ascend steep E. slope.
- 14.60 Spur, 70 ft. above stream, slopes S.
- 16.20 Ravine, 20 ft. below spur, drains S. 30° E.
- 22.00 Small irrigation ditch, drains S.
- 30.40 Small irrigation ditch, drains S.
- 35.31 At mid-point on the N. bdy. sec. 1, T. 41 S., R. 9 W.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for $\frac{1}{4}$ sec. cor. sec. 1, with brass cap marked

$\frac{1}{4}$ S1

1941

deposit a sandstone, 10 x 10 x 8 ins., marked X., at base of post.

- 40.02 The standard $\frac{1}{4}$ sec. cor. sec. 36, a sandstone, 18 x 12 x 8 ins., firmly set, marked SC $\frac{1}{4}$ on N. face. Cor. is witnessed by two bearing trees as follows.

A juniper, 10 ins. diam., bears N. 8°40' E., 83 lks. dist., marked SC $\frac{1}{4}$ S36 BT.

A pinon, 8 ins. diam., bears N. 87°16' W., 100 lks. dist., marked SC $\frac{1}{4}$ S36 BT.

DEPENDENT RESURVEY OF A PORTION EIGHTH STANDARD PARALLEL
SOUTH, THROUGH R. 9 W.

Chains

At the cor. point:

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, with the original cor. monument deposited at the base of the post, for standard $\frac{1}{4}$ sec. cor. sec. 36, with brass cap marked.

SC
 $\frac{1}{4}$ S36

1941

Thence, S. 89°59' W.

- 5.60 Top of ascent on E. slope, 190 ft. above ravine, bears N. and S.; thence descend gradually along S. slope.
- 20.90 Small stream, 3 lks. wide, 2 ins. deep, in draw, 80 ft. below top of ascent, flows SE.; ascend gradually.
- 35.37 The closing cor. of secs. 1 and 2, T. 41 S., R. 9 W., an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 41 S., R. 9 W.
- 39.94 The standard cor. of secs. 35 and 36, a sandstone, 16 x 9 x 5 ins., firmly set, marked SC on N. face, 5 grooves on W. face and 1 groove on E. face. Cor. is witnessed by one bearing tree as follows.

A pinon, 5 ins. diam., bears N. 84° W., 96 lks. dist., marked T40S R9W S35 BT.

No other suitable bearing tree available.

Land, broken and mountainous.

Soil, shallow clay and gravel, with a rocky surface; 4th rate.

Timber, scrub juniper and pinon.

Undergrowth, sage, oak, rabbit, and service berry brush.

Good grazing land.

DEPENDENT RESURVEY PORTION EAST BOUNDARY, T. 41 S., R. 9W.

Reestablishment of surveys executed by
Frank C. French, U.S. Deputy Surveyor,
in 1909

August 27, 1941: Stationed at the cor. of secs. 1 and 12, on the E. bdy. of T. 41 S., R. 9 W., in approximate latitude 37°16' N., longitude 112°46' W., at 11h 03.5m a.m. correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a tree on the sky line about 6 miles to the N., in a counter clockwise direction to the star.

Local mean time of observation.....10h 32.4m a.m.
Mean horizontal deflection angle..... 1° 13'
Azimuth of Polaris..... 1° 13' W.
True bearing to tree..... North.

The cor. of secs. 1 and 12 is an iron post, 3 ins. diam., set, marked, and witnessed, as described in the official record.

Thence, from the above cor.

DEPENDENT RESURVEY PORTION EAST BOUNDARY, T. 41 S., R. 9 W.

Chains

- North, along the E. bdy. of sec. 1, T. 41 S., R. 9 W.
- Ascend gradual SW. slope of rolling mountainous land, through medium dense timber and undergrowth.
- 19.96 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the S. 1/16 sec. cor. sec. 1, with brass cap marked
- S 1/16 |
S1 |
1941
- from which
- A juniper, 8 ins. diam., bears S. 34°15' W., 39 lks. dist., marked S 1/16 S1 BT.
- A juniper, 8 ins. diam., bears N. 49°30' W., 75 lks. dist., marked S 1/16 S1 BT.
- 21.50 Slope changes from a SW. slope to a SE. slope.
- 27.40 Spur, 250 ft. above sec. cor., slopes S. 65° W.; descend gradual NW. slope.
- 33.04 The $\frac{1}{4}$ sec. cor. sec. 6, T. 41 S., R. 8 W., an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record.
- Cor. is set in small draw, 20 ft. below spur, drains S. 70° W.; ascend gradual SW. slope.
- 39.92 The $\frac{1}{4}$ sec. cor. sec. 1, T. 41 S., R. 9 W., an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record.
- Cor. is set on gradual W. slope, 50 ft. above draw.
- Thence, N. 0°01' E.
- 6.50 Old unimproved road, bears N. 70° W. and S. 70° E.
- 21.20 Spur, 200 ft. above the $\frac{1}{4}$ sec. cor., slopes W.; thence over steep broken W. slope.
- 36.70 Slope changes from a steep broken W. slope to a steep NW. slope.
- 40.87 The closing cor. of Ts. 41 S., Rs. 8 and 9 W., an iron post 3 ins. diam., set, marked, and witnessed, as described in the official record.
- U From this cor., the witness cor. to the standard cor. of Ts. 40 S., Rs. 8 and 9 W., bears N. 89°59' W., 4.27 chs. dist., and the standard cor. to said townships, bears N. 89°59' W., 4.77 chs. dist.
- The closing township cor. is set on steep W. slope, 100 ft. below spur.
- Land, mountainous.
Soil, deep clay with a rocky surface; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, rabbit, oak, and service berry brush.
Good grazing land.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 41 S., R. 9 W.

Chains

Reestablishment of surveys executed by Scott P. Stewart, and Frank C. French, U.S. Deputy Surveyors in 1909.

From the cor. of secs. 1 and 12, on the E. bdy. T. 41 S., R. 9 W.

N. 89°54' W., bet. secs. 1 and 12.

Descend gradual SW. slope of broken mountainous land, through medium dense timber and undergrowth.

15.10 Unimproved road, bears N. and S.

20.02 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the E. 1/16 sec. cor. secs. 1 and 12, with brass cap marked

E 1/16 $\frac{S1}{S12}$

1941

from which

A juniper, 10 ins. diam., bears N. 83° E., 30 lks. dist., marked E 1/16 S1 PT.

A juniper, 10 ins. diam., bears S. 70° E., 28 lks. dist., marked E 1/16 S12 BT.

20.50 Short deep ravine, 130 ft. below sec. cor., drains S.

22.40 Low spur, projects S.

25.00 Old graded road to coal mine, bears N. 20° W. and S. 20° E.

30.30 Little Meadow Creek, 2 lks. wide, 1 in. deep, in clay wash, 50 ft. below spur, flows S.; ascend abrupt E. slope.

40.04 The 1/4 sec. cor. secs. 1 and 12, an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record. Cor. is set on steep general E. slope, 140 ft. above stream.

Thence, N. 89°55' W.

4.40 Spur, projects N. 20° E., about 10.00 chs. dist. to end; thence ascend abrupt SE. slope.

10.30 Ascent becomes more gradual, bears N. 30° E. and S. 30° W.

15.70 Irrigation ditch, 3 lks. wide, 1 ft. deep, flows S. 10° W.

20.05 On gradual SE. slope, 270 ft. above the 1/4 sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the W. 1/16 sec. cor. secs. 1 and 12, with brass cap marked

W 1/16 $\frac{S1}{S12}$

1941

from which

Apinon limb, 8 ins. diam., bears N. 17°30' E., 21 lks. dist., marked W 1/16 S1 PT.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 41 S., R. 9 W.

Chains

A juniper, 12 ins. diam., bears S. 36°30' W., 50 lks. dist., marked W 1/16 S12 BT.

28.00 Slope changes from a gradual SE. slope to a gradual S. slope.

40.10 The cor. of secs. 1, 2, 11, and 12, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record.

Land, broken and mountainous.
Soil, deep clay with a rocky surface; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, service berry and buck brush.
Good grazing land.

N. 0°02' E., bet. secs. 1 and 2.

Ascend gradual S. slope of rolling mountainous land, through medium dense timber and tall undergrowth.

19.95 On gradual S. slope, 170 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the S. 1/16 sec. cor. secs. 1 and 2, with brass cap marked

S 1/16

S2 | S1

1941

from which

A pinon, 8 ins. diam., bears N. 36°45' E., 37 lks. dist., marked S 1/16 S1 BT.

A juniper, 12 ins. diam., bears S. 76°30' W., 48 lks. dist., marked S 1/16 S2 BT.

30.00 Ascent becomes abrupt, bears E. and W.

39.90 The 1/4 sec. cor. secs. 1 and 2, an iron post, 1 in. diam., set, marked, and witnessed, as described in the official record.

Cor. set on steep S. slope, 280 ft. above the S. 1/16 sec. cor.

Thence, N. 0°02' W.

2.10 Timber becomes scattered, bears E. and W.

10.70 Top of ascent on E. slope, 80 ft. above the 1/4 sec. cor., bears E. and W.; descend gradually along E. slope.

36.50 Stream, 2 lks. wide, 2 ins. deep, in gulch, 40 ft. below top of ascent, flows SE.; ascend.

40.79 The closing cor. of secs. 1 and 2.

Land, broken and mountainous.
Soil, clay and gravel, with a rocky surface; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, and service berry.
Good grazing land.

SUBDIVISION OF SECTION 1, T. 41 S., R. 9 W.

- Chains From the $\frac{1}{4}$ sec. cor. of secs. 1 and 12.
- North, on true N. and S. center line sec. 1.
- Ascend abrupt E. slope of broken mountainous land, through medium dense timber and undergrowth.
- 3.30 Spur, 60 ft. above cor., slopes E.; descend gradually along broken E. slope.
- 11.00 Ravine, 60 ft. below spur, drains E.; ascend steep S. slope.
- 15.10 Ascent becomes gradual, bears E. and W.
- 19.94 On S. slope, 200 ft. above ravine.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for center S. $\frac{1}{16}$ sec. cor. sec. 1, with brass cap marked
- C
S $\frac{1}{16}$ S1
C
- 1941
- raise a
- small mound of stone W. of cor.
- 24.40 Irrigation ditch, 5 lks. wide, 1 ft. deep, drains S. 30° W.
- 39.88 At the intersection with the true E. and W. center line, sec. 1, on gradual E. slope, 150 ft. above the center S. $\frac{1}{16}$ sec. cor.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the center $\frac{1}{4}$ sec. cor. sec. 1, with brass cap marked
- C $\frac{1}{4}$ S1
- 1941
- from which
- A juniper, 6 ins. diam., bears N. 52° E., 46 lks. dist., marked C $\frac{1}{4}$ S1 BT.
- A pinon, 7 ins. diam., bears S. $27^{\circ}30'$ E., 13 lks. dist., marked C $\frac{1}{4}$ S1 BT.
- A juniper, 9 ins. diam., bears S. 25° W., 32 lks. dist., marked C $\frac{1}{4}$ S1 BT.
- 49.00 Small spur, projects SE.
- 52.00 Small stream, 2 lks. wide, 2 ins. deep, in ravine, flows SE.
- 53.10 Small spur, projects SE.
- 57.20 Spur, projects S. 70° E.; continue ascent over S. slope.
- 80.73 The $\frac{1}{4}$ sec. cor. sec. 1, on the N. bdy. of the township, 220 ft. above the center $\frac{1}{4}$ sec. cor.
- Land, broken and mountainous.

SUBDIVISION OF SECTION 1, T. 41 S., R. 9 W.

Chains

Soil, deep clay with a gravelly surface; 4th rate.
 Timber, juniper and pinon.
 Undergrowth, sage, oak, buck, and service berry brush.
 Good grazing land.

From the $\frac{1}{4}$ sec. cor. sec. 1, on the E. bdy. of the township

N. $39^{\circ}55'$ W., on true E. and W. center line sec. 1.

Descend gradual W. slope of broken mountainous land,
 through medium dense timber and undergrowth.

- 9.70 Unimproved road, bears N. and S. 10° E.
 10.20 Little Meadow Creek, 3 lks. wide, 2 ins. deep, in bottom
 of deep clay wash, 80 ft. below cor., flows S.; ascend
 gradually along broken SE. slope.

20.03 On broken SE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
 ground and mound of stone, for center E. $1/16$ sec. cor.
 sec. 1, with brass cap marked

$$\begin{array}{c} E \ 1/16 \\ C \ \frac{\quad}{\quad} \ C \\ \quad S1 \end{array}$$

1941

from which

A juniper, 7 ins. diam., bears S. $22^{\circ}30'$ E., 33 lks.
 dist., marked CE $1/16$ S1 BT.

A juniper, 10 ins. diam., bears N. $25^{\circ}45'$ W., 73 lks.
 dist., marked CE $1/16$ S1 BT.

- 21.70 Small spur, projects S. 35° W., 5.00 chs. dist. to end;
 23.30 Small ravine, drains S. 30° W.
 31.10 Irrigation ditch, 5 lks. wide, 2 ft. deep, flows S. 10° E.
 40.05 The center $\frac{1}{4}$ sec. cor. sec. 1, 210 ft. above Little Meadow
 Creek. Continue ascent over general SE. slope.
 50.03 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
 ground and mound of stone, for center W. $1/16$ sec. cor.
 sec. 1, with brass cap marked

$$\begin{array}{c} W \ 1/16 \\ C \ \frac{\quad}{\quad} \ C \\ \quad S1 \end{array}$$

1941

from which

A juniper, 6 ins. diam., bears S. $4^{\circ}30'$ W., 101 lks.
 dist., marked C W $1/16$ S1 BT.

A juniper, 6 ins. diam., bears E. 77° W., 79 lks.
 dist., marked C W $1/16$ S1 BT.

50.11 The $\frac{1}{4}$ sec. cor. secs. 1 and 2, 450 ft. above the center
 $\frac{1}{4}$ sec. cor.

Land, mountainous, with a general southerly exposure and
 drainage.

9

SUBDIVISION OF SECTION 1, T. 41 S., R. 9 W.

Chains	<p>Soil, clay and gravel, with a rocky surface; 4th rate. Timber, juniper and pinon. Undergrowth, sage, oak, buck, and service berry brush. Good grazing land.</p>
	<p>From the E. 1/16 sec. cor. secs. 1 and 12.</p> <p>North, on true N. and S. center line SE$\frac{1}{4}$ sec. 1.</p> <p>Ascend gradually over general SE. slope of broken mountainous land, through dense timber and undergrowth.</p>
2.50	Enter bottom of deep clay ravine, bears S. 20° W. and N. 20° E.; thence across bottom of ravine which drains S. 20° W.
6.50	Leave bottom of ravine, bears S. 20° W. and N. 20° E.; ascend SE. slope.
11.00	Unimproved road, bears SE. and N. 20° W.
19.95	<p>On broken SE. slope, 240 ft. above the E. 1/16 sec. cor.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the SE 1/16 sec. cor. sec. 1, with brass cap marked.</p> <p style="text-align: center;">SE 1/16 S1</p> <p style="text-align: center;">1941</p> <p style="text-align: right;">from which</p> <p>A juniper, 10 ins. diam., bears N. 27° E., 17 lks. dist., marked SE 1/16 S1 BT.</p> <p>A juniper, 8 ins. diam., bears S. 62° W., 48 lks. dist., marked SE 1/16 S1 BT.</p> <p>From this cor., the portal to a coal mine which is not operating, bears S. 49°40' W., 13.54 chs. dist.</p>
21.80	Unimproved road, bears S. 80° W. and N. 70° E.
35.10	Little Meadow Creek, 5 lks. wide, 2 ins. deep, in bottom of deep clay gorge, flows S. 20° W.
39.90	<p>The center E. 1/16 sec. cor. sec. 1, 80 ft. above the SE. 1/16 sec. cor.</p> <p>Land, broken and mountainous. Soil, deep clay and shale; 4th rate. Timber, juniper and pinon. Undergrowth, sage, oak, service berry, and buck brush. Good grazing land.</p>
	<p>From the S. 1/16 sec. cor. sec. 1, on the E. bdy. of the township.</p> <p>N. 89°53' W., on true E. and W. center line SE$\frac{1}{4}$ sec. 1.</p> <p>Ascend gradual SE. slope of broken mountainous land, through medium dense timber and undergrowth.</p>
4.60	Spur, 40 ft. above cor., slopes SW.; descend abrupt W. slope.
20.03	The SE. 1/16 sec. cor. sec. 1, 110 ft. below spur.

SUBDIVISION OF SECTION 1, T. 41 S., R. 9 W.

Chains

- 23.10 Unimproved road, bears N. and S.
- 25.60 Little Meadow Creek, 3 lks. wide, 2 ins. deep, in narrow clay gorge, 70 ft. below cor., drains S. 10° W.; ascend abrupt E. slope.
- 40.06 The center S. 1/16 sec. cor. sec. 1, 230 ft. above creek.
- Land, broken and mountainous.
Soil, deep clay and shale; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, service berry, and buck brush.
Good grazing land.

From the W. 1/16 sec. cor. secs. 1 and 12.

N. 0°01' E., on true N. and S. center line SW $\frac{1}{4}$ sec. 1.

Ascend gradual SE. slope of broken mountainous land, through medium dense timber and undergrowth.

- 8.60 Deep ravine, drains E
- 19.94 At the intersection with the true E. and W. center line SW $\frac{1}{4}$ sec. 1; on steep SE. slope, 150 ft. above the W. 1/16 sec. cor.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and mound of stone, for the SW. 1/16 sec. cor. sec. 1, with brass cap marked

SW 1/16 S1

1941

from which

A juniper, 36 ins. diam., bears S. 83° E., 14 lks. dist., marked SW 1/16 S1 BT.

A pinon, 10 ins. diam., bears N. 71° W., 23 lks. dist., marked SW 1/16 S1 BT.

Thence ascend gradually along broken E. slope.

- 24.90 Low spur, slopes SE.
- 27.60 Draw, drains SE.; continue ascent over E. slope.
- 39.88 The center W. 1/16 sec. cor. sec. 1, 170 ft. above the SW 1/16 sec. cor.
- Land, broken and mountainous.
Soil, deep clay and rock; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, service berry, and buck brush.
Good grazing land.

From the center S. 1/16 sec. cor. sec. 1.

N. 89°55' W., on true E. and W. center line SW $\frac{1}{4}$ sec. 1.

Ascend gradually over broken E. slope of mountainous land, through medium dense timber and undergrowth.

- 1.60 Irrigation ditch, 5 lks. wide, 1 ft. deep, flows SW.

SUBDIVISION OF SECTION 1, T. 41 S., R. 9 W.

Chains	
2.40	Recross same, drains NW.
5.90	Recross same, drains S.
6.10	Draw, drains S.
20.04	The SW. 1/16 sec. cor. sec. 1, 290 ft. above cor.
33.40	Draw, drains S.
40.08	The S. 1/16 sec. cor. secs. 1 and 2, 290 ft. above the SW. 1/16 sec. cor.

Land, broken and mountainous.
Soil, deep clay with a rocky surface; 4th rate.
Timber, juniper and pinon.
Undergrowth, sage, oak, service berry, and buck brush.
Good grazing land.

GENERAL DESCRIPTION OF SECTION 1, T. 41 S., R. 9 W.

The lands within the boundaries of section 1, T. 41 S., R. 9 W., are rough and mountainous and have a general southeasterly exposure and drainage. It is a sandstone and shale formation.

The soil consists of a deep blue clay and shale, with a rocky surface, and may be classified as fourth rate.

The timber consists of a medium dense growth of scrub juniper and pinon, which is found mostly in the south and east portions of the section. The timber has no commercial value except for firewood and fencing.

Nearly all portions of the section are covered with a medium dense growth of tall sage, oak, service berry, and buck brush and weeds and grass.

The portal to a coal mine which is not operating is located in the SW $\frac{1}{4}$ SE $\frac{1}{4}$ of the section. Numerous outcroppings of coal were found in the southeast portion of the section, and except for the coal, no other indications of mineral, oil, or oil shale, were found.

No portions of the section are suitable for farming and no settlers were living upon it at the time of the survey.

Little Meadow Creek, a stream of alkali water, 2 lks. wide, 3 inches deep, flows in a southerly direction through the east half of the section. A small stream flows in a southeasterly direction through the northwest and central portions of the section, to its junction with Little Meadow Creek. These two streams are the only water found in the section.

Except for the coal, the land is suitable only for a grazing range for stock.

CERTIFICATE OF SURVEYOR

Elliot Bird, Associate Cadastral Engineer
Andrew Nelson, Assistant Cadastral Engineer

I, We, _____, HEREBY CERTIFY upon honor that, in

pursuance of special instructions bearing date of the 21st day of September 1939,

received from the district cadastral engineer for Utah, with assignment

instructions dated June 9, 1941. We have surveyed made a dependent resurvey of

a portion Eighth Standard Parallel South through R. 9 W.; a portion of
the east boundary and subdivision; and survey of the subdivision of
section 1, T. 41 S., R. 9 W.

of the Salt Lake Meridian, in the State of Utah, which are

represented in the foregoing field notes as having been executed by us and under our direction; and that said

survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey

of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

December 6, 1941

Salt Lake City, Utah.

Elliot Bird
Associate Cadastral Engineer
Andrew Nelson
Assistant Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, November 1, 1944

The foregoing field notes of the survey of dependent resurvey of a portion Eighth
Standard Parallel South through R. 9 W.; a portion of the east boundary
and subdivision; and survey of the subdivision of section 1, T. 41 S.,
R. 9 W.

executed by Elliot Bird, Associate Cadastral Engineer
Andrew Nelson, Assistant Cadastral Engineer

under special instructions dated September 21, 1939, and assignment

instructions dated June 9, 1941, having been critically examined, and

the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey

therein described, are hereby approved.

[Signature]
Supervisor of Surveys.

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 41 S.,
R. 9 W., Utah, is a true copy of the original field notes on file in the public survey office.~~

~~Supervisor of Surveys.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Dependent Resurvey

and

Completion Survey

of

Section 29, Township 41 South, Range 10 West

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Andrew Nelson, Cadastral Surveyor

Under special instructions dated June 19, 1956, which provided

for the surveys included under Group No. 417, approved July 5, 1956

and assignment instructions dated July 9, 1956

Survey commenced July 16, 1956

Survey completed July 24, 1956

INDEX DIAGRAM

Township 41 South, Range 10 West

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31	32	33	34	35	36

16-30770-1

1751

T. 41 S., R. 10 W.

Chains

The original survey of the east and south boundaries of sec. 29 were surveyed by J. G. Burrill in 1877; the north half mile between secs. 28 and 29 was resurveyed by Andrew Nelson and Walter A. Stumm in 1911.

The following field notes are those of the dependent resurvey of the east and south boundaries, and of the survey of the west and north boundaries of sec. 29, T. 41 S., R. 10 W., of Salt Lake Meridian, Utah.

The survey was executed with a W. and L. E. Gurley solar transit, serial number 491037, which conforms to the standard instrumental specifications of the Bureau of Land Management. The instrument was maintained in precise adjustment throughout the progress of the survey.

The measurements were made with narrow steel tapes, 5 and 8 chains in length, graduated to tenths of links for the first link, to links for the next 99 links, and thereafter at intervals of 10 links. The tapes were tested by comparison with a standard steel tape 1 chain in length and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by two clinometers in good adjustment. The slope distances were properly reduced to horizontal equivalents which are entered in the field note record.

The geographic position of the cor. of secs. 28, 29, 32 and 33, is latitude 37° 11' 11" N. and longitude 112° 59' 49" W., as determined by scaling on a reliable U.S.G.S. topographic map.

The directions of the lines of survey were determined by sustained angulation carried forward from observation on Polaris for meridian.

No magnetic declination taken.

Dependent Resurvey of East Boundary of Sec. 29, T. 41 S., R. 10 W.

Reestablishment of the Survey Executed by J. G. Burrill in 1877; Resurveyed by Andrew Nelson and Walter Stumm in 1911.

Beginning at the cor. of secs. 20, 21, 28, and 29, T. 41 S., R. 10 W., mkd. by a sandstone in place, 12 x 12 x 10 ft. above ground, and with X, 4 grooves E. and 2 grooves S., from which a pinon, 8 ins. diam., bears N. 9° 30' W., 72 lks. dist., with dim scribe marks.

Set an iron post, 24 ins. long, 1 in. diam., cemented in a drill hole, 14 ins. deep, with brass cap mkd.

T41S R10W
S20|S21
S29|S28
1956

S. 0° 08' W., bet. secs. 28 and 29.

Desc. 200 ft. steep, rocky, and broken SSW. slope.

5.30

Desc. over rim, 140 ft. high; desc. 600 ft. over steep, rocky and broken S. slope.

Chains	
23.40	Base of descent; bears E. and WNW.; thence over rolling bottom land.
30.90	Main wash, of Blacks Canyon, 4 ft. deep, 30 lks. wide, drains SE.; thence across flat bottom land.
36.40	Road, bears E. and W.; alongside telephone line.
37.10	Base of hill; asc. 60 ft. over N. slope.
40.00	The $\frac{1}{4}$ sec. cor. of secs. 28 and 29, mkd. by a sandstone in place, 6 x 3 x 1 ft. above ground, and with X $\frac{1}{4}$. Set an iron post, 24 ins. long, 1 in. diam., cemented in a drill hole, 11 ins. deep, and in a mound of stone, 7 ft. base to top of post, with brass cap mkd.
	$\frac{1}{4}$ S29 S28 1956
	from which a sandstone in place, 6 x 3 x 2 ft. above ground, mkd. R ₁₀ , bears N. 64° 18' W., 19 lks. dist. Cor. falls on NW. slope of Moquitch Hill, which bears S. 67° E., from which the church steeple bears, S. 8° 33' W.
	Thence with the Dependent Resurvey of line established by J. G. Burrill in 1877.
	South, beginning new measurement.
	Desc. 80 ft. over SSW. slope.
4.00	Base of hill, bears NW. and SE.; desc. over general S. slope.
4.15	Fence, bears NW. and SE.
10.40	Power transmission line, bears S. 60° 30' W. and N. 60° 30' E.
19.00	Canal, course S. 40° W. from NE.
27.10	State Highway No. 15, bears S. 79° 09' W. and N. 79° 09' E.
38.70	Wash, 10 ft. deep, 40 lks. wide, drains S. 40° E.
41.21	Point for the cor. of secs. 28, 29, 32 and 33, at intersection of lines south of the $\frac{1}{4}$ sec. cor. of secs. 28 and 29, and east of accepted local E 1/16 sec. cor. of secs. 29 and 32; there is no remaining evidence of the original corner. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a mound of stone to top of post, with brass cap mkd.
	T41S R10W S29 S28 S32 S33 1956
	Set a cedar post, 6 ft. long, 5 ins. diam., 24 ins. in the ground and in a mound of stone S. of cor.
	Deposit broken glass alongside the iron post.
	Land, north half rough and broken; south half nearly level. Soil, rich sandy loam to sandy clay and rocky. Timber, north half ponderosa pine, pinon; south half cottonwood, big tooth maple, willow and fruit trees.

Chains

West, bet. secs. 29 and 32.

Over level bottom land.

18.60 State Highway No. 15, bears S. 25° W. and N. 25° E.

20.30 The point for the E. 1/16 sec. cor. of secs. 29 and 32, as established by a local engineer. This cor. was shown me by interested property owners and is accepted as the corner; monumented with an iron post, 30 ins. long, 2 ins. diam.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

$$E \frac{1}{16} \begin{array}{l} S 29 \\ S 32 \end{array}$$

1956

Set local iron post alongside iron post.

Corner falls 4 ft. South of small ditch, drains E.

24.80 Canal, course SW.; thence enter rocky rolling land.

27.20 Asc. 40 ft. over rocky SE. slope.

28.10 Spur ridge, slopes SSE.; desc. 40 ft. over rocky SW. slope.

31.60 Wash, drains SE.

39.30 Wash, drains NE., 3 chs. dist. to junction, thence drains ENE.

40.30 Point for the ¼ sec. cor. of secs. 29 and 32, at proportionate distance; there is no remaining evidence of the original witness corner.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.

$$\frac{1}{4} \begin{array}{l} S 29 \\ S 32 \end{array}$$

1956

Deposit broken glass alongside iron post.

from which

A cedar, 5 ins. diam., bears N. 83° 45' W., 18 lks. dist., mkd. ¼ S29 BT.

A sandstone, in place, 11x6x6 ft. above ground, mkd. B+O, bears S. 17° 40' E., 24 lks. dist.

A sandstone in place, 6x5x5 ft. above ground, mkd. B+O, bears N. 33° 10' W., 57 lks. dist.

Highest point on West Temple bears N. 24° 31' W., on vertical angle 23½°.

Highest point on West Mary bears N. 10° 35' W.

Highest point on Center Mary bears N. 05° 30' W.

Highest point on East Mary bears N. 01° 33' E.

Chains	Asc. 60 ft. over broken and rocky SSE. slope.
44.90	Spur, rocky SSE. slope; desc. 40 ft. over rocky SSW. slope.
48.60	Deep draw, drains SE.; asc. 210 ft. over rocky NE. slope.
52.70	Asc. over rim, bears N. 30° W. and S. 30° E.; thence across rocky E. slope.
54.50	Power transmission line, bears S. 60° 30' W. and N. 60° 30' E.
60.30	Desc. 30 ft. over rocky SW. slope.
61.90	Draw, drains SE.; asc. 200 ft. over broken and rocky SE. slope.
77.70	Base of cliff, bears N. 20° E. and S. 12° W.; asc. 200 ft.
77.85	Top of cliff, bears N. 20° E. and S. 12° W.
77.90	Point selected for the witness cor. of secs. 29, 30, 31 and 32. Set an iron post, 24 ins. long, 1 in. diam., cemented in a drill hole, 12 ins. deep, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	T41S R10W WC ← $\frac{S30 S29}{S31 S32}$ 1956
	Witness cor. falls on flat top of rim, near the point, 15 lks. South to end, from which the church steeple, bears N. 78° 40' E.
80.10	Desc. over cliff, 200 ft.
80.30	True point for the cor. of secs. 29, 30, 31 and 32, falls on inaccessible wall of cliff. Land, nearly level, east 27.20 chs.; the remainder of line west, rough and broken. Soil, rich sandy loam, east 27.20 chs.; remainder of line west, rocky. Timber, cottonwood, willow and fruit trees for east 24.80 chs.; remainder of line west, scattered cedar.
Survey of the West Bdy. of Sec. 29, T. 41 S., R. 10 W.	
	North, bet. secs. 29 and 30, from true cor. point.
.30	Asc. over rim; asc. 260 ft. over steep rocky and broken S. slope, through dense undergrowth, shrub live oak and cerro hawthorn; timber, rocky mountain juniper, ponderosa pine, pinon pine, and scattered mountain mahogany.
8.70	Asc. over rim, of bench, bears NNE. and on curve to WSW.; thence asc. 70 ft. over top of rolling bench land.
15.30	Small wash, drains ESE.
30.10	Desc. over rim of bench, bears NW. and SE.; desc. 300 ft. over steep rocky NNE. slope.
40.00	Deep draw, 30 ft. deep, 40 lks. wide, drains E.; asc. 50 ft. over steep S. slope.

Survey of the West Bdy. of Sec. 29, T. 41 S., R. 10 W.

Chains

41.21 True point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 30, falls on unsafe location for monument.

41.81 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 29 and 30.

Set an iron post, 36 ins. long, 1 in. diam., 27 ins. in the ground, and in a mound of stone, to top, with brass cap mkd.

$\frac{1}{4}$
 S30|S29
 W C
 1956

Witness cor. falls on red spur, slopes E.

from which

A red sandstone rim, 6 ft. high, mkd. B+0, bears S. 45° W., 4 lks. dist.

Desc. 30 ft. over rocky NE. slope.

43.00 Deep draw, drains E.; asc. 105 ft.

53.70 Large rock on line, 30x30 ft. base, 20 ft. high, pyramid-shaped; thence asc. 460 ft. over steep rocky ESE. slope.

58.50 Spur ridge, slopes E.; desc. 120 ft. over steep rocky NNE. slope.

62.20 Deep draw, drains E.; asc. 140 ft. over steep rocky SE. slope.

67.00 Asc. over rim; thence asc. over rolling ESE. slope.

69.80 Desc. over rim; desc. 100 ft. over rocky NNE. slope.

72.40 Deep draw, drains E.; asc. 80 ft. over SE. slope.

74.30 Spur ridge, slopes E.; desc. 40 ft. over NE. slope.

75.90 Deep draw, drains ENE.; asc. 50 ft. over SE. slope.

78.80 Spur, slopes E.; desc. gradually over NE. slope.

81.21 Point for the cor. of secs. 19, 20, 29 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over X on bedrock, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.

T41S R10W
S19|S20
 S30|S29
 1956

from which

A pinon, 10 ins. diam., bears N. 0° 30' E., 7 lks. dist., mkd. T41S R10W S20 BT.

A juniper, 14 ins. diam., bears S. 89° 30' E., 22 lks. dist., mkd. S29 BT.

A pinon, 12 ins. diam., bears S. 1° 00' W., 27 lks. dist., mkd. S30 BT.

Survey of the West Bdy. of Sec. 29, T. 41 S., R. 10 W.

Chains

Land, rough and broken.
Soil, sandy and rocky.
Timber, rocky mountain juniper, ponderosa pine, pinon pine, and scattered mountain mahogany; undergrowth, dense shrub live oak and cerro hawthorn.

Survey of the North Bdy. of Sec. 29, T. 41 S., R. 10 W.

East, bet. secs. 20 and 29.

Desc. 370 ft. over steep rocky ENE. slope.

10.00 Deep draw, drains NE.; thence asc. over ENE. slope.

15.10 Desc. 140 ft. over cliff, bears NW. and SE.; overhanging 20 lks.; desc. 160 ft. over steep ENE. slope.

23.20 Deep draw, 30 ft. deep, 50 lks. wide, drains NE.; thence over rolling N. slope.

29.40 Main wash of Blacks Canyon, 1000 ft. below cor., drains SE.; thence along rolling S. slope.

40.19 True point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 29, falls on unsafe location for monument.

40.40 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 20 and 29.

Set an iron post, 24 ins. long, 1 in. diam., cemented in a drill hole, 10 ins. deep, and in a mound of stone, to top of post, with brass cap mkd.

$\frac{1}{4}$ W $\frac{S}{S}$ $\frac{20}{29}$
C 1956

Witness cor. falls on S. slope of an imbedded sandstone boulder, 25 x 25 x 5 ft. above ground and 63 lks. dist. N. of main wash of Blacks Canyon, drains on curve from SW. to SE.

from which

A juniper, 12 ins. diam., bears S. 60° W., 16 lks. dist., mkd. XBT.

Asc. 30 ft. over SW. slope.

46.40 Round blue clay spur, slopes S.; desc. 40 ft. over SE. slope.

51.90 Small draw, drains SE., 80 lks. dist. to junction with main wash; asc. over SSW. slope.

54.15 Spur ridge, slopes SE.; desc. 60 ft. over steep ESE. slope.

55.70 Draw, drains SE.; asc. 80 ft. over SW. slope.

60.28 Point for the E. 1/16 sec. cor. of secs. 20 and 29.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground and in a mound of stone, to top of post, with brass cap mkd.

E 1/16 $\frac{S}{S}$ $\frac{20}{29}$
1956

Raise a mound of stone, S. of corner.

Survey of the North Bdy. of Sec. 29, T. 41 S., R. 10 W.

Chains

from which

A juniper, 10 ins. diam., bears S. 21° 30' E., 25 lks. dist.,
mkd. E 1/16 S29 BT.

Asc. 690 ft. over steep rocky and broken SW. slope to cor.

80.37

The cor. of secs. 20, 21, 28 and 29.

Land, rough and broken.

Soil, sandy and rocky.

Timber, rocky mountain juniper, ponderosa pine, pinon pine, and scattered mountain mahogany; undergrowth, dense shrub live oak and scattered cerro hawthorn and sagebrush.

General Description

The land within section 29, T. 41 S., R. 10 W. is principally rough and broken mountainous, with a southeasterly exposure and drainage towards the North Fork Virgin River. The elevation of section 29 ranges from about 3860 ft. above sea level in the lowest bottoms (southeast corner of section 29) to a maximum of 5300 feet along the west boundary (near the northwest corner) of section 29.

There is one large canyon extending through the section; Blacks Canyon, entering on the north boundary of section 29 and draining southeasterly, leaving on the east boundary of the section. It continues southeast about one half mile to a junction with North Fork Virgin River.

That portion of section 29 not under cultivation consists of shrub live oak, cerro hawthorn, and sagebrush undergrowth, and rocky mountain juniper, ponderosa pine, pinon pine, and scattered mountain mahogany timber.

Utah State Highway No. 15 crosses the $SE\frac{1}{4}SE\frac{1}{4}$ of section 29, running in the southwesterly and northeasterly direction, passing through the town of Springdale, Utah, which is mainly situated in the $SE\frac{1}{4}SE\frac{1}{4}$ of section 29.

CERTIFICATE OF CADASTRAL ENGINEER

I, Andrew Nelson, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of June, 1956

I have ~~surveyed~~ independently resurveyed and made a completion survey of section 29, T. 41 South, R. 10 West.

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
July 1, 1957

Andrew Nelson
Andrew Nelson, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 5 1957, 19

The foregoing field notes of the ~~survey of dependent resurvey and completion survey of~~ section 29, T. 41 S., R. 10 W., S1M, Utah

executed by Andrew Nelson

having been critically examined and found correct, are hereby approved.

James G. Curran
Chief, Branch of Engineering and Construction
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Chief, Branch of Engineering and Construction

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE DEPENDENT RESURVEY

OF

A PORTION OF THE EIGHT STANDARD PARALLEL SOUTH

THROUGH RANGE 13 WEST

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 41 SOUTH, RANGE 13 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Robert C. Yundt - Cadastral Surveyor

Under special instructions dated January 28, 1949, which provided

for the surveys included under Group No. 369, approved April 1, 1949

A

and assignment instructions dated May 4, 1949

Survey commenced May 13, 1949

Survey completed May 31, 1949

INDEX DIAGRAM

Township 41 South, Range 13 West

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Township 41 South, Range 13 West

Chains

The north boundary (Eight Standard Parallel South) was originally surveyed by Julien Bausman in 1870, resurveyed by Jenkins and West in 1897, and retraced by Harvey D. Heist in 1902. The west boundary (Second Guide Meridian West) was originally surveyed by Bausman in 1870, resurveyed by J. G. Burrill in 1877 and by Jenkins and West in 1897. The south and east boundaries of sec. 6 were originally surveyed by Joseph Gorlinski in 1870. The south boundary of this section was dependently resurveyed by Andrew Nelson in 1931. The following field notes are those of a dependent resurvey of the north and east boundaries of sec. 6. The west boundary of sec. 6 is being resurveyed concurrently in connection with similar survey in T. 41 S., R. 14 W.

Reference is made to the field notes of the resurveys concurrently executed in T. 41 S., R. 14 W. for a description of the instruments and method of procedure.

The topography is in substantial agreement with that in the original notes, and no reference is to be made to it here.

Dependent Resurvey of Eight Standard Parallel South through R. 13 W.

Reestablishment of the surveys
executed by Julien Bausman in 1870

Beginning at the standard cor. of Ts. 40 and 41 S., Rs. 13 and 14 W., mkd. by an iron post, 3 ins. diam., conforming to the record of the 1949 resurveys in T. 41 S., R. 14 W.

Thence

N. 89° 29' E., bet. secs. 6 and 31.

41.37 The original standard $\frac{1}{4}$ sec. cor. of secs. 6 and 31, mkd. by a trachyte stone, 22x14x6 ins., firmly set in the ground and mkd. $\frac{1}{4}$ SC on the N. face.

from which

A juniper, 4 ins. diam., bears S. 15° 30' E., 46 lks. dist., mkd. SC $\frac{1}{4}$ S.

A juniper, 3 ins. diam., bears N. 56° 45' W., 142 lks. dist., mkd. BT.

This point now functions as the $\frac{1}{4}$ sec. cor. of sec. 6, T. 41 S., R. 13 W. only.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap mkd.

$\frac{1}{4}$ S 6
1959

Deposit the original stone alongside the iron post.

N. 89° 32' E., beginning new measurement.

41.37 The original standard cor. of secs. 5, 6, 31 and 32, mkd. by a sandstone rock, 15x9x8 ins., firmly set in the ground and in a mound of stone, mkd. with one groove on E. face, 5 grooves on W. face and SC on N. face.

This cor. now functions as the cor. of secs. 5 and 6, T. 41 S., R. 13 W. only.

Dependent Resurvey of Eight Standard Parallel South through R. 13 W.

Chains

10110

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

T40S R13W

S 6 | S 5

T41S

1949

Deposit the original stone alongside the iron post.

Dependent Resurvey of a Portion of the Subdivision, T. 41 S., R. 13 W.

Reestablishment of the surveys
executed by Julien Bausman in 1870

Beginning at the cor. of secs. 5, 6, 7 and 8, mkd. by an iron post, 2 ins. diam., conforming to the record of the 1931 resurvey.

Thence

N. 1° 16' E., bet. secs. 5 and 6.

39.93 In a fence line bearing E. and W.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone, as a witness $\frac{1}{2}$ sec. cor., with brass cap mkd.

$\frac{1}{2}$

W C

S 6 | S 5

1949

41.56 The restored $\frac{1}{2}$ sec. cor. of secs. 5 and 6 falls in a cultivated field where it is impractical to establish a monument. There is no remaining evidence of the original cor.

82.78 The cor. of secs. 5 and 6 on the N. bdy. of the township.

4-680
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Fred R. Chappell	Principal Assistant
William E. Bennison	Chainman
James E. Stewart	Chainman
William D. Bowes	Flagman
Milton C. Iverson	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 28th day of January, 1957

I have surveyed dependently resurveyed the north and east boundaries of section 6, T. 41 S., R. 13 W.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed by me and under my direction; and the said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
February 13, 1957

Robert C. Yundt
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., MAR 11 1959, 19

The foregoing field notes of the surveyed dependent resurvey of the north and east boundaries of section 6, T. 41 S., R. 13 W., S1M, Utah

executed by Robert C. Yundt, Cadastral Engineer

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 41 R. 13 W., S1M, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

of the

Dependent Resurvey of Portions

of the

Eighth Standard Parallel South in Range 14 West

The Second Guide Meridian West in Township 41 South

and the

Subdivision of Township 41 South, Range 14 West

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Robert C. Yundt, Cadastral Engineer

Under special instructions dated January 28, 1949, which provided
for the surveys included under Group No. 369-Utah, approved April 1, 1949
and assignment instructions dated May 4, 1949

Survey commenced May 19, 1949

Survey completed May 31, 1949

INDEX DIAGRAM

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1747

Dependent Resurvey of T. 41 S., R. 14 W.

Chains

The original survey of the east mile of the north boundary or eighth standard parallel south was executed by T. C. Bailey in 1877, this mile was retraced and the balance surveyed by Harvey D. Heist in 1902. The original survey of the east boundary or second guide meridian west was made by Julien Bausman in 1870. Parts of this line were retraced or resurveyed by Bailey in 1877, Jenkins and West in 1897, and Andrew Nelson in 1931. The survey of the subdivision adjacent to secs. 1 and 12 were first executed by Bausman in 1870 and Bailey in 1877 and retraced by Howard G. Mason in 1918. The following field notes are those of a dependent resurvey of the north two and one-half miles of the east boundary, the east mile of the north boundary or 8th standard parallel south, and the subdivisional lines between secs. 1 and 12 and between secs. 12 and 13 together with ties to patented mineral claims crossing these lines. This resurvey is being made to show the position of these mineral claims in their relation to the section lines and since the topography is in substantial agreement with the official record no mention of it will be made in these notes.

The survey was executed with Buff and Buff solar transit number 14191, property of the Bureau of Land Management and constructed in accordance with their standard specifications. The instrument is provided with two double verniers placed opposite to each other and a full vertical circle. All verniers are graduated to single minutes of arc. Since the solar attachment was not used, no description of it will be given here. The instrument was in good condition and prior to the beginning of the field work was tested and all errors eliminated. It was maintained in proper adjustment throughout the field work.

The geographic position of the corner of secs. 7, 12, 13, and 18, T. 41 S., Rs. 13 and 14 W. is as follows: Latitude $37^{\circ}12'07''$ N., Longitude $113^{\circ}23'06''$ W.

The direction of the lines of the resurvey were determined by reference to the true meridian established on line during the progress of the survey. The lines were carried forward as transit lines and checked by succeeding observations.

The measurements were made with steel ribbon tapes, 8 chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of ten links. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents which appear in these notes. In most cases the distances were obtained by chaining, but in some cases they were determined from triangulations or traverses. The details of these were properly verified and only the true line distances were recorded in these field notes.

Dependent Resurvey of the 2nd Guide Meridian West in T. 41 S.

Reestablishment of the Surveys Executed by
Bausman in 1870, Burrill in 1877, Jenkins
and West in 1897 and Andrew Nelson in 1931.

Beginning at the original $\frac{1}{4}$ sec. cor. of secs. 13 and 18, T. 41 S., Rs. 13 and 14 W., marked by a sandstone rock, 36x7x7 ins. set in a large mound of stone and marked $\frac{1}{4}$ on the W. face.

At the corner

Dependent Resurvey of T. 41 S., R. 14 W.

Chains

Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

$\frac{1}{2}$
 S13 | S18
 1949

Deposit the original stone alongside the iron post.

Thence

N. $0^{\circ}02'$ W., between secs. 13 and 18.

40.885

Proportionate distance for the cor. of secs. 7, 12, 13, and 18. No trace of the cor. being found and since the point falls in an orchard:

Set an iron rod, 18 ins. long, 1 in. square, 30 ins. in the ground, from which

An iron post, 3 ft. long, 1 in. in diam., set 30 ins. in the ground as a reference monument, and marked RM, S12, S13, 1949 with an arrow pointing to the cor., bears S. $89^{\circ}56'$ W., 130 lks. dist.

N. $0^{\circ}02'$ W., between secs. 7 and 12.

40.285

In an old fence line bearing N. 20° E. and S. 20° W.

Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in the ground, with brass cap marked

S12 | S7
 R M
 1949

40.885

Point for the $\frac{1}{2}$ sec. cor. of secs. 7 and 12 at proportionate distance falls in cultivated land.

Set an iron rod, 24 ins. long, $\frac{1}{2}$ ins. square, 30 ins. in the ground.

81.77

The remonumented cor. of secs. 1, 6, 7, and 12, marked by an iron post, 2 ins. in diam., conforming to the record of the 1939 resurvey

From this point, cor. number 1, Mineral Survey No. 7177, Coolidge Mine, conforming to the record, bears N. $56^{\circ}00'$ E., .542 chains.

An unidentified marker of the U.S.G.S. disc set in sandstone bed-rock, bears N. $40^{\circ}30'$ W., 4.837 chains.

No trace of U.S.M.M. number 1 remains and the point was relocated from the tie (N. $34^{\circ}37'$ W., 4.793 chs.) given by Andrew Nelson in 1939.

N. $0^{\circ}05'$ W., between secs. 1 and 6.

1.773

Intersect line 2 and 3, Lot No. 45 at a point .589 chains N. $73^{\circ}03'$ W. of corner number 2, located from its tie to U.S.M.M. No. 1.

Dependent Resurvey of T. 41 S., R. 14 W.

Chains

- 25.510 Intersect line 1 and 6, Lot No. 45 at a point .597 chains S. 73°03' E. of corner number 6 located from its tie to U.S.M.M. No. 1.
- 27.547 Intersect line 1 and 2, Lot No. 40 at a point 1.908 chains S, 16°57' W. of corner number 2 located from its tie to U.S.M.M. No. 1.
- 35.707 Intersect line 2 and 3, Lot No. 67 at a point 2.390 chains N. 73°03' W. of corner number 2 located from its tie to U.S.M.M. No. 1.
- 43.00 The official $\frac{1}{4}$ sec. cor. of secs. 1 and 6 marked by a sandstone rock 16x10x10 ins. firmly set in the ground and in a mound of stone and marked $\frac{1}{4}$ on the W. face and with a cross (X) cut in the top. Immediately W. of this stone is an iron bar 3 x $\frac{1}{2}$ ins. x 4 ft. firmly set in the ground.

At the corner

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, and in a mound of stone, with brass cap marked

$\frac{1}{4}$
S1 | S6

1949

Deposit the original stone alongside the iron post.

Thence

N. 0°09' E., beginning new measurement.

- 39.94 The standard cor. of Ts. 40 and 41 S., Rs. 13 and 14 W., marked by a grey sandstone rock, 26x16x10 ins. firmly set in the ground, and in a mound of stone, and marked with 6 notches on the N., E., S., and W. edges and SC on the N. face.

At the corner

Set an iron post, 3 ft. long, 3 ins. in diam., 30 ins. in the ground, with brass cap marked

SC
T40S
R14W | R13W
S36 | S31

S1 | S6

T41S

1949

Deposit the original stone alongside the iron post and raise a mound of stone to the S.

Dependent Resurvey of the Eighth Standard Parallel South in R. 14 W.

Reestablishment of the Surveys Executed by T. C. Bailey in 1877 and Harvey D. Heist in 1902.

Beginning at the standard corner of Ts. 40 and 41 S., Rs. 13 and 14 W.

Dependent Resurvey of the Eighth Standard Parallel South Through R. 1

Chains

Thence.

S. 89°51' W., between secs. 1 and 36.

29.99

The witness standard 1/2 sec. cor. of secs. 1 and 36, marked by a sandstone rock, 20x12x3 ins. firmly set in the ground, and surrounded by a mound of stone, and marked 1/2 WSC on the N. face.

At the corner

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, and in a mound of stone, with brass cap marked

WSC
S36
1/2
S1
1949

Deposit the original stone alongside the iron post.

Thence

S. 89°56' W., beginning new measurement.

49.74

The standard corner of secs. 1, 2, 35, and 36, marked by a sandstone rock, 30x14x4 ins. firmly set in the ground, and marked with one groove on the E. face, five grooves on the W. face and SC on the N. face, witnessed by two trees conforming to the record.

At the corner

Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground, and in a mound of stone, with brass cap marked

SC
T40SR14W
S35|S36
S2|S1
T41S
1949

Deposit the original stone alongside the iron post.

Dependent Resurvey of Part of the Subdivision of T. 41 S., R. 14 W.

Reestablishment of the Surveys Executed by Joseph Gorlinski in 1870, T. C. Bailey in 1877, and Howard G. Mason in 1918.

Beginning at the cor. of secs. 1, 6, 7, and 12 on the east boundary of the township.

Thence

N. 88°23' W., between secs. 1 and 12.

11.720

Intersect line 1 and 2, Lot No. 65 at a point 4.706 chains S.58°30'E of corner No. 1 restored from its relationship to corners of Lots 54 and 59.

Dependent Resurvey of Part of the Subdivision of T. 41 S., R. 14 W.

Chains	
36.17	Intersect line 3 and 4 of Lot No. 59 at a point 12.42 chains S. 31°30' W. of corner No. 4, reestablished from its bearing object conforming to the record.
39.85	Intersect line 1 and 2 of the Wonder Lode, Survey No. 4807A at a point 7.22 chains S. 27°00' W. of corner No. 1, conforming to the record. The length of line 1 and 2 was found to be 22.75 chains and the course S. 27°00' W.
39.97	<p>The $\frac{1}{4}$ sec. cor. of secs. 1 and 12 at proportionate distance. No trace of the original corner being found.</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked.</p> <p style="text-align: center;">S1 $\frac{1}{4}$ ————— S12 1954</p> <p style="text-align: center;">Deposit broken glass at the base of the post.</p>
49.93	Intersect line 3 and 4 of the Wonder Lode, Survey 4807A at a point 12.429 chains S. 27°01' W. of corner number 4 conforming to the record. The length of line 3 and 4 was found to be 22.74 chains and the course S. 27°01' W.
79.94	The corner of secs. 1 and 12 on the east boundary of sec. 2, marked by an iron post conforming to the official record.
40.26	<p>Beginning at the restored cor. of secs. 7, 12, 13, and 18.</p> <p>Thence</p> <p>S. 89°56' W., between secs. 12 and 13.</p> <p>The $\frac{1}{4}$ sec. cor. of secs. 12 and 13, marked by the original monument, a grey trachyte rock, 28x16x11 ins. set at the cor. of fences bearing east and north, and marked $\frac{1}{4}$ on the N. face.</p> <p>At the same point</p> <p>Set an iron post, 3 feet long, 1 in. in diam., 16 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked</p> <p style="text-align: center;">S12 $\frac{1}{4}$ ————— S13 1949</p> <p style="text-align: center;">Deposit the original stone alongside the post.</p>
40.01	<p>Thence</p> <p>N. 88°46' W., beginning new measurement.</p> <p>The cor. of secs. 11, 12, 13, and 14 marked by the original monument, a yellow sandstone rock 14x10x10 ins., firmly set in the ground and in a mound of stone, and marked with 4 notches on the S. edge and 1 notch on the E. edge, with an unmarked iron post, 3 ft. long, 2½ ins. in diam., lying alongside the mound.</p>

Dependent Resurvey of Part of the Subdivision of T. 41 S., R. 14 W.

Chains

At the same point

Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground, with brass cap marked

T41SR14W

S11|S12

S14|S13

1949

from which

A juniper, 5 ins. in diam., marked T41SR14WS12BT, bears N. 75°30' W., 157 lks. dist.

A juniper, 4 ins. in diam., marked BT, bears S. 16°00' E., 181 lks. dist.

Corner number 3 of Lot No. 53, Emily Jane Lode, marked by an old mound of stone from which a cross (X) on a sandstone boulder showing 10x5x5ft. above ground and marked X3US53, bearing N. 88°00' W., 50 ft. dist. also the burned stump of a juniper, bearing N. 35°00' E., 107.25 ft. dist., bears N. 5°49' E., 12.06 chains dist.

Deposit the original section corner stone alongside the iron post.

4-000
(Feb., 1950)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Fred R. Chappell	Principal Assistant
William E. Bennison	Chairman
James K. Stewart	Chairman
William D. Bowes	Flagman
Milton C. Iverson	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 28th day of January, 194... I have surveyed dependently resurveyed portions of the Eighth Standard Parallel South in Range 14 West, the Second Guide Meridian in Township 41 South, and the Subdivision of Township 41 South, Range 14 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
February 12, 1957

Robert C. Yundt
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAR 11 1959, 19

The foregoing field notes of the survey of dependent resurvey of portions of the Eighth Standard Parallel South in Range 14 West, the Second Guide Meridian West in Township 41 South, and the Subdivision of Township 41 South, Range 14 West

executed by Robert C. Yundt, Cadastral Engineer

having been critically examined and found correct, are hereby approved.

Carl G. Harrington
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 41 S. R. 14 W., SLM, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

1809
4-879
(September 1948)

ORIGINAL

299

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Dependent Resurvey of the South Half Mile

Between Sections 8 and 9

and

Subdivision into Small Tracts of an Area

Known Locally as Settlers Cove

In Sections 8 and 9,

Township 43 South, Range 6 West

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Andrew Nelson, Cadastral Surveyor

Under special instructions dated May 13, 1955, which provided

for the surveys included under Group No. 418, approved June 12, 1956

and assignment instructions dated July 9, 1956

Survey commenced July 26, 1956

Survey completed July 27, 1956

INDEX DIAGRAM

Township _____, Range _____

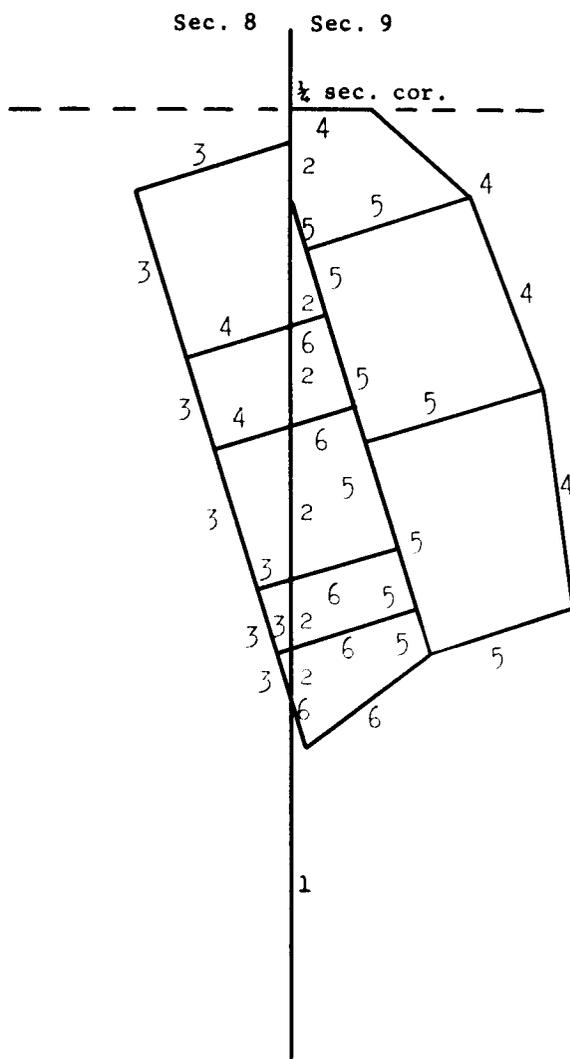
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
20	29	28	27	26	25
31	32	33	34	35	36

16-50770-1

1804

INDEX DIAGRAM

T. 43 S., R. 6 W.



CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958,

I have ~~surveyed~~ independently resurveyed a portion of the east boundary and surveyed a portion of the subdivision of Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959
Salt Lake City, Utah

Fred R. Chappell
Fred R. Chappell, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

~~The foregoing field notes of the survey of _____
_____ executed by _____
having been critically examined and found correct, are hereby approved.~~

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

4-690
(Feb., 1960)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Principal Assistant
Parley Pratt	Chainman
Wallace R. Ott	Flagman
Robert A. Pratt	Axeman
Andrew M. Nelson	Cornerman

275 CERTIFICATE OF CADASTRAL ENGINEER

I, Lacel E. Bland, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958,

I have surveyed a portion of the subdivision of Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959
Salt Lake City, Utah

Lacel E. Bland
Lacel E. Bland, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

4-680
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Max E. Swindle	Principal Assistant
LaVern Griffin	Chainman
Paul D. Hanson	Chainman
Dennis Bland	Flagman
Max R. Porter	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958 I have surveyed a portion of the subdivision of Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959
Salt Lake City, Utah

Boyd S. Owens
Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., 1958

~~The foregoing field notes of the survey of _____
_____ executed by _____
having been critically examined and found correct, are hereby approved.~~

~~_____
Cadastral Engineering Staff Officer.~~

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

~~_____
Cadastral Engineering Staff Officer.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Eldon W. Sibley	Principal Assistant
Ferrel D. Reynolds	Chainman
Olaf M. Shakespeare	Chainman
Leland C. Allan	Flagman
Leland A. Ricketts	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958

I have surveyed a portion of the subdivision, Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959
Salt Lake City, Utah

Craig P. Sylvester
Craig P. Sylvester, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958

I have ~~supervised~~ supervised the dependent resurvey of a portion of the ~~east~~ boundary and the survey of a portion of the subdivision, Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959

Salt Lake City, Utah



Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 20 1960, 19

The foregoing field notes of the ~~resurvey of~~ dependent resurvey of a portion of the ~~east~~ boundary and the survey of a portion of the subdivision of Township 36 South, Range 1 West, Salt Lake Meridian, Utah

executed by Fred R. Chappell, Lancel E. Bland, Boyd S. Owens & Craig P. Sylvester, under the supervision of Vern E. Lane, having been critically examined and found correct, are hereby approved.



Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

RECEIVED
OCT 13 1958
FBI 12 14

OF THE DEPENDENT RESURVEY

OF

THE WEST BOUNDARY AND

A PORTION OF THE SOUTH BOUNDARY

AND THE SURVEY

OF

THE NORTH BOUNDARY AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 37 SOUTH, RANGE 1 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane	-	Cadastral Surveyor (Chief of Party)
Craig P. Sylvester	-	Cadastral Surveyor
Fred R. Chappell	-	Cadastral Surveyor
Boyd S. Owens	-	Cadastral Surveyor
Lacel E. Bland	-	Cartographic Survey Aid

Under special instructions dated September 16, 1958, which provided for the surveys included under Group No. 349, approved October 8, 1958 and assignment instructions dated October 8, 1958

Survey commenced October 16, 1958

Survey completed October 29, 1958

INDEX DIAGRAM

Township 37 South, Range 1 West

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

16-56770-1

Craig P. Sylvester _____
 Fred R. Chappell _____
 Boyd S. Owens _____
 Lancel E. Bland _____

1975

Township 37 South, Range 1 West

Chains

The east and south boundaries were surveyed by Andrew Nelson in 1918. The west boundary was surveyed by A. B. Lewis in 1897.

The following field notes are those of the dependent resurvey of the west boundary and a portion of the south boundary, and the survey of the north boundary and a portion of the subdivision, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transits, serial Nos. 541326, 461263, 541327 and 560147, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approx. as scaled from U. S. G. S. topographic sheets. Details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $37^{\circ} 32' 10''$ N. and longitude $111^{\circ} 50' 25''$ W., as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $15^{\circ} 30' E.$

265

Dependent Resurvey of a Portion of the W. Bdy. of T. 36 S., R. 1 E., with establishment of new corners at intervals of 40 chs. for the E. Bdy. of T. 36 S., R. 1 W.

Chains

A pinon, 12 ins. diam., bears S. 84° 00' E., 70 lks. dist., mkd. T36S R1E S31 BT.

A pinon, 16 ins. diam., bears N. 81° 00' W., 13 lks. dist., mkd. T36S R1W S25 BT.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T36S
R1W R1E
S25 | S30
 | S31
 1958

Note: I do not establish new corners for T. 36 S., R. 1 W., north of this cor.

Land, broken and mountainous.
Soil, clay.
Timber, medium growth of juniper and pinon.
Undergrowth, service berry, shadscale and grass.

N. 0° 03' W., along the W. bdy. of sec. 30, T. 36 S., R. 1 E.

Over mountainous land, through medium timber and undergrowth; asc. 35 ft. over S. slope.

- 1.10 Spur, projects SW.; desc. 25 ft. over N. slope.
- 2.52 Fence, 4 strand barbed wire, bears E. and W.; desc. 30 ft. over N. slope.
- 10.25 Cor. No. 6, H. E. S. 182, mkd. by a sandstone, 16x16x2 ins., showing above the surface and mkd. 6 HES 182 on E. face.
- 10.50 Small wash, drains NE.; asc. 10 ft. over a gentle S. slope.
- 18.60 Spur, projects E.; desc. 105 ft. over NE. slope.
- 38.10 Trail road, bears NW. and SE.
- 40.09 The ¼ sec. cor. of sec. 30, mkd. by the cor. originally set for the ¼ sec. cor. of secs. 25 and 30, a sandstone, 18x10x8 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T36S
R1E
¼ | S30
 | S31
 1958

Deposit the original cor. alongside iron post.

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

Dependent Resurvey of a Portion of the W. Bdy., T. 36 S., R. 1 E.,
with establishment of new corners at intervals of 40 chs.
for the E. Bdy. of T. 36 S., R. 1 W.

286

Chains

N. 0° 03' E., beginning new measurement.

Asc. 75 ft. over S. slope.

8.30 Spur, projects SW.; desc. 120 ft. over NW. slope.

15.00 Base of steep descent, thence over nearly level sagebrush covered land.

18.94 Power line, bears NE. and SW.

23.70 Wash, 30 lks. wide, 15 ft. deep, drains NE.

27.05 Utah State Highway No. 54, an asphalt surfaced road, bears NE. and SW.

39.94 The cor. of secs. 19 and 30, mkd. by the cor. originally set for the cor. of secs. 19, 24, 25 and 30, a sandstone, 20x10x4 ins., firmly set and plainly mkd.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T36S
R1W R1E
S24 | S19
 | S30
1958

Deposit the original cor. alongside the iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of iron post.

Land, mountainous.

Soil, clay loam.

Timber, dense juniper and pinon in S. 15 chs., none in N. 65 chs.

Undergrowth, scattered sagebrush and grass.

Survey of a Portion of the Subdivision, T. 36 S., R. 1 W.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township, an iron post, 2½ ins. diam., conforming to the field notes of T. 37 S., R. 1 W.

North, on Sectional Guide Meridian, bet. secs. 35 and 36.

Over rolling clay spurs and washes putting SW.; desc. 90 ft.

11.40 Small wash, drains irregularly SW.; asc. 220 ft. over rolling land.

30.00 Clay spur, slopes irregularly SW. from N. 70° E.; desc. 90 ft. over rolling land draining W.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a collar of stone, with brass cap mkd.

T36S R1W
¼
S35 | S36
1958

Survey of a Portion of the Subdivision, T. 36 S., R. 1 W.

Chains

- Desc. 40 ft. over N. slope.
- 41.00 Draw, drains W.; asc. 110 ft. over steep SW. slope.
- 44.00 Clay spur, slopes NW.; desc. 230 ft. over NE. slope.
- 51.56 Small wash, drains N. 20° W. from SE.; asc. 110 ft. over SW. slope.
- 58.00 Spur, slopes NW.; desc. 50 ft. over general N. slope.
- 62.90 Small wash, drains W.; asc. 100 ft. over S. slope.
- 66.60 Spur, slopes W.; desc. 80 ft. over N. slope.
- 72.70 Wash, 30 lks. wide, 2 ft. deep, drains W.; asc. 60 ft. over rolling S. slope.
- 76.90 Spur, slopes W.; desc. 60 ft.
- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

T36S R1W

S26 | S25

S35 | S36

1958

The cor. is located approx. 2.00 chs. S. of power line bearing E. and W.

Land, rolling.

Soil, clay loam.

Timber, scattered scrub juniper and pinon.

Undergrowth, scant sagebrush.

From the cor. of secs. 25 and 36 on the E. bdy. of the township.

West, bet. secs. 25 and 36.

Over broken land; desc. 50 ft. over W. slope.

- 1.00 Wash, 20 lks. wide, 4 ft. deep, drains SW.; asc. 40 ft. over E. slope.
- 6.40 Utah State Highway No. 54, bears SW. and NE.; asc. 50 ft. along general S. slope.
- 8.00 Spur, slopes S.; asc. 60 ft. along S. slope.
- 17.60 Spur, slopes S.; desc. 90 ft.
- 21.50 Wash in bottom of ravine, drains S.; asc. 90 ft. over E. slope.
- 24.10 Narrow clay ridge, bears SW. and NE.; desc. 470 ft. over NW. slope.
- 39.00 Small wash, drains NW.; desc. 40 ft. along N. slope.
- 41.11 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Survey of a Portion of the Subdivision, T. 36 S., R. 1 W.

Chains

T36S R1W

 $\frac{1}{2}$ S25

S36

1958

Asc. 100 ft. along NE. slope.

50.40 Spur, slopes N.; desc. 140 ft. over steep W. slope.

59.90 Small wash, drains NW.; asc. 30 ft. along NE. slope.

65.80 Spur, slopes N. 80° W.; desc. 140 ft. along S. slope.

78.50 Finger spur, slopes NW.; desc. 60 ft.

81.11 The cor. of secs. 25, 26, 35 and 36.

Land, rolling and broken.

Soil, clay loam.

Timber, scattered scr b juniper and pinon.

Undergrowth, scattered sage, silverleaf and grass.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the township, an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of T. 37 S., R. 1 W.

N. 0° 02' W., bet. secs. 32 and 33.

Over broken mountainous land, through medium dense pinon and juniper.

Asc. 10 ft. over SE. slope.

2.50 Spur, slopes E.; desc. 60 ft. over NE. slope.

5.30 Small wash, drains E.; asc. 70 ft. over S. slope.

8.10 Spur, slopes E.; desc. 20 ft. over NE. slope.

24.20 Base of descent; asc. 130 ft. over ledgy SE. slope.

28.30 Saddle in ridge, bears SW. and NE.; desc. 70 ft. over NW. slope.

31.60 Base of descent, bears E. and W.; asc. 140 ft. over SW. slope.

39.70 Spur, slopes W., thence along W. slope.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T36S R1W

 $\frac{1}{2}$

S32 | S33

1958

By triangulation, topography estimated; desc. approx. 350 ft. over ledgy NW. slope.

67.00 Wash, 20 lks. wide, 2 ft. deep, drains S. 70° W.; asc. approx. 30 ft. over S. slope.

72.60 End of triangulation; spur slopes S. 70° W.; desc. 230 ft. over ledgy NW. slope.

Survey of a Portion of the Subdivision, T. 36 S., R. 1 W.

Chains

80.00

True point for the cor. of secs. 28, 29, 32 and 33 falls on ledge facing W., where cor. cannot be perpetuated.

The point selected for the witness cor. of secs. 28, 29, 32 and 33 bears N. 0° 02' W., 0.20 lks. dist.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T36S R1W
 S29|S28
 S32|S33
 W C
 1958

Land, rough and mountainous.
 Soil, rocky and clay.
 Timber, medium dense pinon, juniper and scattered pine.
 Undergrowth, silverleaf, bitter brush and scant grass.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the township, an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the field notes of T. 37 S., R. 1 W.

N. 0° 03' W., bet. secs. 31 and 32.

Over mountainous land, through medium dense pinon and juniper.

By traverse, topography as taken from aerial photos; asc. approx. 40 ft. over SE. slope.

4.60 Spur, slopes E.; desc. approx. 250 ft. over series of spurs and washes draining E.

9.00 Wash in canyon, drains S. 10° E., thence over series of small spurs and washes on SW. slope.

40.00 True point for the ¼ sec. cor. of secs. 31 and 32 falls on inaccessible SW. slope.

44.10 Top of vertical ledge, 100 ft. high, bears E. and W. for approx. 500 ft. above canyon bottom; end of traverse.

44.12 Point selected for the witness ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T36S R1W
 ¼
 S31|S32
 W C
 1958

Asc. 280 ft. over S. slope.

60.40 Narrow spur, slopes SW.; desc. 110 ft. along W. slope.

66.80 Wash in draw, drains W.; asc. 30 ft. along W. slope.

80.00 True point for the cor. of secs. 29, 30, 31 and 32 falls on N. slope of a boulder and cannot be perpetuated.

Point selected for the witness cor. of secs. 29, 30, 31 and 32 bears N. 0° 03' W., 0.05 lks. dist.

Survey of a Portion of the Subdivision, T. 36 S., R. 1 W.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T36S R1W

 $\frac{S30}{S29}$ $\frac{S31}{S32}$

W.C.

1958

Land, mountainous.

Soil, rocky and clay.

Timber, medium dense pinon and juniper, with scattered pine.

Undergrowth, silverleaf, bitter brush and scant grass.

From the true point for the cor. of secs. 28, 29, 32 and 33.

S. $89^{\circ} 52'$ W., bet. secs. 29 and 32.

Over broken mountainous land, through scattered pinon and juniper.

By triangulation, topography estimated; desc. approx. 100 ft. over W. slope.

- 5.00 Wash, 40 lks. wide, 3 ft. deep, drains S. 20° W.; asc. approx. 200 ft. over ledges and SE. slope.
- 9.00 S. end of point; desc. approx. 180 ft. over ledgy SW. slope.
- 12.00 Wash, 10 lks. wide, 2 ft. deep, drains SE.; asc. approx. 250 ft. over E. slope.
- 27.00 Base of ledges, bears N. and S.; asc. approx. 50 ft. over ledges.
- 28.70 End of triangulation; top of ledges, bears N. and S.; asc. 20 ft. over E. slope.
- 30.50 Spur, projects S. 30° E., 6.00 chs. to end; desc. 50 ft. over SW. slope.
- 37.70 Bottom of draw, drains S. 20° E.; asc. 20 ft. over E. slope.
- 39.94 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
- T36S R1W
 $\frac{S29}{S32}$
 $\frac{1}{4}$
 1958
- Asc. 140 ft. over E. slope.
- 47.70 Spur, slopes E.; asc. 40 ft. over E. slope.
- 49.30 Draw, drains NE.; asc. 40 ft. over E. slope.
- 52.20 Spur, slopes SE.; asc. 20 ft. over E. slope.
- 54.30 Same draw, drains SE.; asc. 180 ft. over E. slope.
- 72.60 Top of ascent; spur slopes N.; desc. 270 ft. over steep W. slope.

Survey of a Portion of the Subdivision, T. 36 S., R. 1 W.

Chains	60120
79.88	<p>The true point for the cor. of secs. 29, 30, 31 and 32. Land, broken and mountainous. Soil, rocky, clay and sandy clay. Timber, medium dense juniper and pinon, scattered pine. Undergrowth, silverleaf, bitterbrush and scant grass.</p>
<p>GENERAL DESCRIPTION</p>	
<p>Secs. 32 and 36 surveyed herein are both high mountainous areas, covered with heavy growth of juniper and pinon.</p>	
<p>Soil is composed clay and sandy clay, with a considerable amount of exposed sandstone.</p>	
<p>Principal use of the land is for stock grazing.</p>	

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958

I have ~~surveyed~~ independently resurveyed a portion of the east boundary and surveyed a portion of the subdivision of Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959
Salt Lake City, Utah

Fred R. Chappell
Fred R. Chappell, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

~~The foregoing field notes of the survey of _____
_____ executed by _____
having been critically examined and found correct, are hereby approved.~~

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Principal Assistant
Parley Pratt	Chairman
Wallace R. Ott	Flagman
Robert A. Pratt	Axeman
Andrew M. Nelson	Cornerman

275 CERTIFICATE OF CADASTRAL ENGINEER

I, Lacel E. Bland, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958.

I have surveyed a portion of the subdivision of Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959
Salt Lake City, Utah

Lacel E. Bland
Lacel E. Bland, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

4-680
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Max E. Swindle	Principal Assistant
LaVern Griffin	Chainman
Paul D. Hanson	Chainman
Dennis Bland	Flagman
Max R. Porter	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Boyd S. Owens, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958 I have surveyed a portion of the subdivision of Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959
Salt Lake City, Utah

Boyd S. Owens
Boyd S. Owens, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

~~The foregoing field notes of the survey of _____
executed by _____
having been critically examined and found correct, are hereby approved.~~

~~_____
Cadastral Engineering Staff Officer.~~

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

~~_____
Cadastral Engineering Staff Officer.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Eldon W. Sibley	Principal Assistant
Ferrel D. Reynolds	Chainman
Olaf M. Shakespeare	Chainman
Leland C. Allan	Flagman
Leland A. Ricketts	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958 I have surveyed a portion of the subdivision, Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959
Salt Lake City, Utah

Craig P. Sylvester
Craig P. Sylvester, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., 19

The foregoing field notes of the survey of
executed by
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958, I have ~~surveyed~~ supervised the dependent resurvey of a portion of the east boundary and the survey of a portion of the subdivision, Township 36 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 6, 1959

Salt Lake City, Utah



Vern E. Lane, Cadastral Surveyor

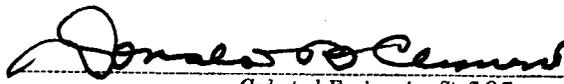
CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 20 1960, 19

The foregoing field notes of the ~~surveyed~~ dependent resurvey of a portion of the east boundary and the survey of a portion of the subdivision of Township 36 South, Range 1 West, Salt Lake Meridian, Utah

executed by Fred R. Chappell, Lancel E. Bland, Boyd S. Owens & Craig P. Sylvester, under the supervision of Vern E. Lane, having been critically examined and found correct, are hereby approved.



Donald O. Clum
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~
~~is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

1958 OCT 14

OF THE DEPENDENT RESURVEY

OF

THE WEST BOUNDARY AND

A PORTION OF THE SOUTH BOUNDARY

AND THE SURVEY

OF

THE NORTH BOUNDARY AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 37 SOUTH, RANGE 1 WEST

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Vern E. Lane	-	Cadastral Surveyor (Chief of Party)
Craig P. Sylvester	-	Cadastral Surveyor
Fred R. Chappell	-	Cadastral Surveyor
Boyd S. Owens	-	Cadastral Surveyor
Lacel E. Bland	-	Cartographic Survey Aid

Under special instructions dated September 16, 1958, which provided for the surveys included under Group No. 349, approved October 8, 1958 and assignment instructions dated October 8, 1958

Survey commenced October 16, 1958

Survey completed October 29, 1958

INDEX DIAGRAM

Township 37 South, Range 1 West

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16-56770-1

Craig P. Sylvester _____
 Fred R. Chappell _____
 Boyd S. Owens _____
 Lancel E. Bland _____

1975

Township 37 South, Range 1 West

Chains

The east and south boundaries were surveyed by Andrew Nelson in 1918. The west boundary was surveyed by A. B. Lewis in 1897.

The following field notes are those of the dependent resurvey of the west boundary and a portion of the south boundary, and the survey of the north boundary and a portion of the subdivision, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transits, serial Nos. 541326, 461263, 541327 and 560147, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approx. as scaled from U. S. G. S. topographic sheets. Details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude $37^{\circ} 32' 10''$ N. and longitude $111^{\circ} 50' 25''$ W., as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be $15^{\circ} 30' E.$

Dependent Resurvey of the E. Bdy., T. 37 S., R. 2 W.

Chains

Dependent resurvey of the E. bdy. of T. 37 S., R. 2 W., with establishment of new corners at regular intervals of 40.00 chs. from the S. for T. 37 S., R. 1 W.

Reestablishment of surveys executed by A. B. Lewis in 1897.

The cor. of Ts. 37 and 38 S., Rs. 1 and 2 W., mkd. by a sandstone, 8x10x12 ins., in head of small gully draining W., approx. 1.00 ch. dist. to wash draining S. 10° W. This monument was in unsafe location subject to destruction.

Point selected for the witness township cor. bears E., 30 lks. dist.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

T37S
R2W R1W
W S36 | S31
C S 1 | S 6
T38S
1958

Deposit original monument alongside iron post.

N. 0° 08' E., along E. bdy. of sec. 36, counting dist. from the true point for the township cor.

Over rolling and broken land, by triangulation, topography as estimated.

- 9.40 Wash, 50 lks. wide, 10 ft. deep, drains S. 10° W.; continue along canyon bottom.
- 19.00 Base of ledges, bears NE. and SW.; asc. 670 ft. over ledges and steep rolling clay spurs sloping SE.
- 39.30 Rim of plateau, bears NE. and SW.; thence over nearly level top, through moderate juniper and pinon. End of triangulation.
- 39.70 Point for the ¼ sec. cor. of sec. 36, T. 37 S., R. 2 W., at proportionate dist.; there is no remaining evidence of the cor. originally set to function as the ¼ sec. cor. of secs. 31 and 36.
Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T37S
R2W R1W
¼
S36 |
1958
- 40.00 Point for the ¼ sec. cor. of sec. 31, T. 37 S., R. 1 W.
Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S
R2W R1W
¼
| S31
1958
- 45.10 Enter sage clearing.

Dependent Resurvey of the E. Bdy., T. 37 S., R. 2 W.

Chains

- 68.40 Leave sage clearing; enter heavy timber.
- 79.41 The cor. originally set to function as the cor. of secs. 25, 30, 31 and 36, mkd. by a sandstone, 12x8x8 ins., firmly set and plainly mkd. This cor. now functions as the cor. of secs. 25 and 36, T. 37 S., R. 2 W. only.
- At the cor. point
- Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
- | |
|-----------|
| T37S |
| R2W R1W |
| S25 S31 |
| S36 |
| 1958 |
- Deposit original monument alongside iron post.
- Land, rolling and broken.
Soil, clay loam.
Timber, moderate to heavy juniper and pinon on plateau top.
Undergrowth, moderate sage, scattered buckbrush, silverleaf and grass.
-
- .59 N. 1° 16' E., along the east boundary of sec. 25.
- Point for the cor. of secs. 30 and 31, T. 37 S., R. 1 W.
- Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.
- | |
|-----------|
| T37S |
| R2W R1W |
| S25 S30 |
| S31 |
| 1958 |
- Over rolling mountainous land.
- .81 N. edge of plateau, bears E. and W.; desc. 160 ft. over N. slope, through heavy timber.
- 11.79 Small wash, drains NW.; asc. 10 ft. over gentle SW. slope.
- 13.09 Finger spur, slopes W.; desc. 20 ft. over gentle N. slope.
- 15.59 Small wash, drains SW.; asc. 50 ft. over SE. slope.
- 22.89 Spur, slopes E.; desc. 250 ft. over rolling clay hills, through scattered timber.
- 39.74 Point for the ¼ sec. cor. of sec. 25, T. 37 S., R. 2 W., as determined from the original bearing trees. The cor. was originally set to function as the ¼ sec. cor. of secs. 25 and 30.
- A cedar, 12 ins. diam., bears S. 64° W., 1.00 ch. dist., mkd. ¼ S BT.
- A cedar, 24 ins. diam., bears N. 13° 30' W., 1.20 chs. dist., mkd. ¼ S BT.
- At the cor. point
- Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Chains

T37S
R2W R1WS25
1958

N. 0° 21' W., beginning new measurement.

.86 Point for the $\frac{1}{2}$ sec. cor. of sec. 30, T. 37 S., R. 1 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S
R2W R1WS30
1958

.95 Small wash, drains NE.; asc. 30 ft. along rolling SE. slope.

8.65 Finger spur, slopes E.; desc. 230 ft. over rolling and broken NE. slope.

23.95 Creek, 1.00 ch. wide, 2 ft. deep, course W.; water 2 ins. deep, 5 lks. wide in wash; asc. 60 ft. over gentle S. slope.

36.25 Base of steep clay hills; asc. 100 ft. over steep S. slope.

40.09 The point for the cor. of secs. 24 and 25, T. 37 S., R. 2 W., at proportionate dist.; there is no remaining evidence of the cor. originally set to function as the cor. of secs. 19, 24, 25 and 30, or of the witness cor. set at a southing of 6.00 chs.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

T37S
R2W R1WS24 | S30
S25 |
1958

Land, rolling, slightly broken.

Soil, clay loam and rocky.

Timber, scattered juniper and pinon on N. 60 chs., moderate to heavy juniper and pinon on S. 20 chs.

Undergrowth, scattered to moderate sage, scattered silverleaf.

N. 0° 21' W., along the E. bdy. of sec. 24.

.77 Point for the cor. of secs. 19 and 30, T. 37 S., R. 1 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a mound of stone, 2 ft. base to top, with brass cap mkd.

T37S
R2W R1WS24 | S19
S30 |
1958

Dependent Resurvey of the E. Bdy., T. 37 S., R. 2 W.

Chains

Over rolling mountainous land; asc. 40 ft. over S. slope.

2.87 Spur, slopes E.; desc. approx. 50 ft. over NE. slope.

7.75 Gulch, drains SE.; asc. 310 ft. over rolling SE. slope.

26.55 Rim of bench, bears E. and SW.; asc. 10 ft. over top of bench, through moderate timber.

40.09 Point for the $\frac{1}{4}$ sec. cor. of sec. 24, T. 37 S., R. 2 W., at proportionate dist.; there is no remaining evidence of the cor. originally set to function as the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.



40.77 Point for the $\frac{1}{4}$ sec. cor. of sec. 19, T. 37 S., R. 1 W.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, in a mound of stone, $2\frac{1}{2}$ ft. base to top, with brass cap mkd.



from which,

A juniper, 14 ins. diam., bears S. $70^{\circ} 26'$ E., 21 lks. dist., mkd. T37S R1W $\frac{1}{4}$ S19 BT.

Desc. 20 ft. over top of bench.

47.35 Dry wash, 30 lks. wide, 1 ft. deep, drains SW.; asc. 20 ft. through dense juniper and pinon.

64.65 Rim of bench, bears W. and N.; cont. along broken rim.

69.55 Rim, bears E.; desc. 300 ft. over steep N. slope.

80.18 True point for the cor. of secs. 13 and 24, T. 37 S., R. 2 W., at proportionate dist. falls on steep N. slope where cor. cannot be perpetuated; there is no remaining evidence of the cor. originally set to function as the cor. of secs. 13, 18, 19 and 24, or of the witness cor. set at a southing of 10.05 chs.

Land, rolling.
Soil, clay loam and rocky.
Timber, moderate to heavy juniper and pinon on ridge top.
Undergrowth, scattered to moderate sage, scattered buckbrush, grass and silverleaf.

Dependent Resurvey of the E. Bdy., T. 37 S., R. 2 W.

Chains	N. 0° 21' W., along the E. bdy. of sec. 13.
.59	True point for the cor. of secs. 18 and 19, T. 37 S., R. 1 W. falls on steep N. slope where cor. cannot be perpetuated. Over rolling land; desc. approx. 50 ft. over N. slope.
1.59	Draw, drains NW.; asc. 50 ft. along SW. slope.
3.00	Point selected for the witness cor. of sec. 13 and 24, T. 37 S., R. 2 W. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T37S R2W R1W S13 S19 S24 W C 1958
3.59	Point selected for the witness cor. of secs. 18 and 19, T. 37 S., R. 1 W. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T37S R2W R1W S13 S18 S19 W C 1958
	Cor. is located on spur sloping NW. Desc. 150 ft. over NE. slope.
13.10	Gully, drains NW.; desc. 20 ft.
16.10	Gully, drains N. 60° W.; asc. 60 ft. over SW. slope.
22.50	W. side of knoll; desc. 70 ft. over N. slope.
26.20	Leave mountainous land; desc. 40 ft. over gentle N. slope.
40.09	Point for the ¼ sec. cor. of sec. 13, T. 37 S., R. 2 W., at proportionate dist.; there is no remaining evidence of the cor. originally set to function as the ¼ sec. cor. of secs. 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.
	T37S R2W R1W ¼ S13 1958
	Deposit charcoal at base of iron post.
40.59	Point for the ¼ sec. cor. of sec. 18, T. 37 S., R. 1 W. falls in small gully draining NW. where cor. cannot be perpetuated.
40.69	Point selected for the witness ¼ sec. cor. of sec. 18. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.

Dependent Resurvey of the E. Bdy., T. 37 S., R. 2 W.

Chains

T37S
R2W R1W
↓
S18
W C
1958

Deposit charcoal at base of iron post.

Desc. 10 ft.

48.00 Henrieville Wash, 2.00 chs. wide, 2 ft. deep, course irregularly SW.; asc. 20 ft. over gentle rolling land.

59.80 Gully, approx. 30 lks. wide, 10 ft. deep, drains S. 30° W.; old fence line bears NE. and SW.; asc. 30 ft. over gently rolling land.

80.18 The point for the cor. of secs. 12 and 13, T. 37 S., R. 2 W.; at proportionate dist.; there is no remaining evidence of the cor. originally set to function as the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S
R2W R1W
S12 | S18
S13 |
1958

Land, N. 30 chs. gently rolling, S. 40 chs. mountainous.

Soil, clay loam, rocky and sandy.

Timber, scattered juniper and pinon on S. 40 chs.

Undergrowth, scattered to moderate sage, scattered grass and shadscale.

N. 0° 21' W., along the E. bdy. of sec. 12.

.41 Point for the cor. of secs. 7 and 18, T. 37 S., R. 1 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S
R2W R1W
S12 | S 7
S18 |
1958

Over gently rolling land; asc. 10 ft. over gentle S. slope.

13.20 State Highway No. 54, graded gravel road, bears N. 70° W. and S. 70° E.

13.90 Telephone line, parallel with highway.

15.00 Power line, bears NW. and SE.

20.60 Old fence line, bears E. and W.

34.90 Wash, 1.00 ch. wide, banks 10 ft. high, drains irregularly W.

40.08 The ¼ sec. cor. originally set to function as the ¼ sec. cor. of secs. 7 and 12, a sandstone, 18x18x4 ins., firmly set and plainly mkd. This cor. now functions as the ¼ sec. cor. of sec. 12, T. 37 S., R. 2 W. only.

Chains

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a collar of stone, with brass cap mkd.

T37S
R2W R1W
S12
1958

Deposit original monument alongside iron post.

North, beginning new measurement.

.33

Point for the ¼ sec. cor. of sec. 7, T. 37 S., R. 1 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S
R2W R1W
¼
S 7
1958

Asc. 30 ft. along gentle SW. slope.

20.45

Old fence, bears E. and W.; cont. along gentle W. slope.

39.74

The cor. originally set to function as the cor. of secs. 1, 6, 7 and 12, mkd. by a sandstone, 20x10x6 ins., firmly set and plainly mkd. This cor. now functions as the cor. of secs. 1 and 12, T. 37 S., R. 2 W. only.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T37S
R2W R1W
S 1 | S 7
S12
1958

Deposit the original monument alongside iron post.

Set a cedar post, 6 ft. high, 6 ins. diam., 14 ins. in the ground alongside iron post.

Land, gently rolling.

Soil, sandy, clay and rocky.

Timber, none.

Undergrowth, scattered to moderate sage, scattered weeds and shadscale.

N. 0° 09' E., along the E. bdy. of sec. 1,

.59

Point for the cor. of secs. 6 and 7, T. 37 S., R. 1 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Dependent Resurvey of the E. Bdy., T. 37 S., R. 2 W.

Chains

T37S
R2W R1W
S 1 | S 6
 | S 7
1958

Over rolling and broken mountainous land.

- 4.40 Fence, bears S. 80° W. and N. 80° E.; asc. 80 ft. over S. slope.
- 7.20 Clay spur, slopes S. 70° W.; desc. 60 ft. over N. slope.
- 28.90 Wash, 10 lks. wide, 1 ft. deep, drains W.; asc. 20 ft. over gentle S. slope.
- 34.10 Base of steep S. slope; asc. 220 ft.
- 39.95 Point for the $\frac{1}{4}$ sec. cor. of sec. 1, T. 37 S., R. 2 W., at proportionate dist.; there is no remaining evidence of the witness cor. originally set 4.30 chs. westerly to function as the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, and in a collar of stone, with brass cap mkd.
- T37S
R2W R1W
 $\frac{1}{4}$
S 1 |
1958
- 40.59 Point for the $\frac{1}{4}$ sec. cor. of 6, T. 37 S., R. 1 W.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
- T37S
R2W R1W
 $\frac{1}{4}$
| S 6
1958
- Asc. 60 ft. over ledge facing S.
- 42.35 Top of ascent; thence along W. slope.
- 44.75 Begin descent of approx. 150 ft. over ledgy NW. slope, by triangulation; topography as estimated.
- 54.05 Bottom of draw, drains S. 30° W.; asc. approx. 130 ft. over broken SE. slope.
- 63.05 Rim, bears irregularly NE. and S; 60° W.; asc. approx. 100 ft. over broken S. slope.
- 75.05 Base of ledge facing SE.; asc. approx. 30 ft.
- 75.55 Ledgy spur, projects S. 20° W.; end of triangulation; desc. 110 ft. over broken NW. slope.
- 79.90 True point for the cor. of Tps. 36 and 37 S., Rs. 1 and 2 W.
- From the true point, the witness township cor. bears N. 10 lks. dist., an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Dependent Resurvey of the W. Bdy., T. 37 S., R. 1 W.

Chains

Land, mountainous.
Soil, sandy, clay and rocky.
Timber, scattered juniper and pinon.
Undergrowth, scattered sage, silverleaf, buckbrush and grass.

Dependent Resurvey of Portion of S. Bdy., T. 37 S., R. 1 W.

Reestablishment of survey executed by A. Nelson in 1918.

From the $\frac{1}{4}$ sec. cor. of secs. 4 and 33, on the S. bdy. of the Tp. an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

West, bet. secs. 4 and 33, in open valley.

- 25.50 Leave valley, enter hills and scattered juniper and pinon, bears N. 20° W. and S. 20° E.; gradually asc. 90 ft. over E. slope.
- 34.20 Top of ridge, bears N. and S.; desc. abruptly over W. slope.
- 34.40 Base of abrupt descent and reef and brush fence, bears N. and S.
- 39.80 Wash, 75 lks. wide, 40 ft. deep, 210 ft. below ridge, course SW. for $1\frac{1}{2}$ chs. to junction with main wash from N., thence S.
- 40.00 True point for the cor. of secs. 4, 5, 32 and 33, at proportionate dist., falls in wash.

Land, slightly rolling valley.
Soil, clay loam.
Timber, scattered pinon and juniper.
Undergrowth, short scattered greasewood, shadscale, sage and grasses.

West, bet. secs. 5 and 32.

- .25 Point for the original witness cor. for secs. 5, 6, 31 and 32. No trace of this cor. was found.
- .70 Small seep of alkaline water, 2 lks. wide, 2 ins. deep, in main wash, 40 lks. wide, 15 ft. deep, course S.
- 2.15 Point selected for the witness cor. of secs. 4, 5, 32 and 33.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, and in a collar of stone, with brass cap mkd.

T37S R1W
S32 | S33 W
S 5 | S 4 C
T38S
1958

- 7.00 Leave hollow bottom, enter very rough rocky and broken land, bears N. and S. 20° E.; abrupt ascent over E. face.
- 11.85 Top of sharp clay spur, 225 ft. above base, projects S. from NW.; desc. abruptly 120 ft. over S. and SW. slope.
- 16.50 Gulch, course SE.; asc. along broken NE. slope.
- 22.00 Top of ascent on N. slope, 90 ft. above gulch; desc. over NW. slope.
- 26.40 Small draw, 65 ft. below top of ascent, course NE.

Dependent Resurvey of Portion of S. Bdy., T. 37 S., R. 1 W.

Chains 28.90	High point on N. end of ledge, 125 ft. above draw, bears S.; desc. 80 ft. over ledges.
32.80	Head of main gulch, course N. 80° E.; asc. abrupt 150 ft. over ledges.
34.65	Top of 80 ft. perpendicular white sandstone ledge, bears NE. and S. to SE.; thence more gradual ascent on E. slope.
40.00	The ¼ sec. cor. of secs. 5 and 32, an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record. Land, rough and broken. Soil, mostly white sand rocks and heavy blue clay. Timber, scattered scrub cedar and pinon. Undergrowth, very scattered shadscale and greasewood.

Survey of the North Bdy., T. 37 S., R. 1 W.

	Beginning at the cor. of Tps. 36 and 37 S., R. 1 W., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 36 S., R. 1 W., surveyed concurrently under this same group. S. 89° 54' W., bet. secs. 1 and 36. Over broken mountain land, through medium dense timber and medium undergrowth; asc. 10 ft. over gentle NE. slope.
1.50	Spur, projects N.; desc. 340 ft. over broken W. slope.
19.00	Bottom of Pole Canyon, drains SW.; asc. 225 ft. over SE. slope.
33.40	Spur, projects S.; desc. 25 ft. along SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T36S R1W ¼ $\frac{S36}{S1}$ T37S 1958
	Deposit a sandstone, 4x4x3 ins., mkd. with a cross (X) at base of post. Desc. 40 ft. over SW. slope.
43.30	Spur, projects SW.; desc. 265 ft. along NW. slope.
57.30	Draw, drains N. 2.50 chs. into wash draining SW.; asc. 25 ft. over E. slope.
59.30	Clay knoll; desc. 50 ft. over NW. slope.

Chains

- 61.60 Wash, 30 lks. wide, 5 ft. deep, drains N. 1.00 ch. into wash drainage SW.
- 64.00 Wash, 1.20 chs. wide, 3 ft. deep, drains SW.
- 74.62 State Highway No. 54, from Henrieville to Escalante, bears S. 75° W. and N. 75° E.; asc. 40 ft. over SE, clay slope; leave timber.
- 80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T36S R1W

S35 | S36

S 2 | S 1

T37S

1958

Land, mountainous.

Soil; rocky clay.

Timber, medium dense juniper and pinon, scattered spruce.

Undergrowth, scattered service berry, oak, shadscale and grass.

S. 89° 54' W., bet. secs. 2 and 35.

Over mountainous land and scant undergrowth; asc. 30 ft. over SE. slope.

- 5.70 Narrow clay spur, projects S. 75° W.; desc. 70 ft. over NW. clay slope.
- 8.00 Narrow drain, drains N.; asc. 55 ft. over NE. clay slope.
- 15.20 Recross clay spur, projects NW.; desc. 150 ft. over SW. slope.
- 26.40 Pole Canyon Wash, 2.00 chs. wide, 2 ft. deep, drains NW.; asc. 80 ft. over NE. slope.
- 33.50 Flat topped spur, projects N.; N. rim of gravel pit, 1.00 ch. S.; desc. 60 ft. over NW. slope.
- 37.50 Gulch, drains N.; asc. 40 ft. over steep NE. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 2 and 35 falls on steep NE. clay slope where the cor. cannot be perpetuated.
- 40.60 W. rim of gulch, bears N. and SE.; enter dense juniper and pinon.
- 41.00 Point selected for the witness ¼ sec. cor. of secs. 5 and 32.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T36S R1W

¼ S35
S 2

T37S

W C

1958

Survey of the N. Bdy., T. 37 S., R. 1 W.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of post.

Thence over gently rolling land.

50.10 Unimproved dirt road, bears NW. and SE.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T36S R1W
 S34|S35
 S 3|S 2
 1958

Land, broken the first ½ mile, gently rolling the balance.

Soil, rocky clay.

Timber, widely scattered juniper and pinon the first ½ mile, dense juniper and pinon the balance.

Undergrowth, scattered sagebrush, bitter brush and grass.

S. 89° 54' W., bet. secs. 3 and 34.

Over gently rolling mountain land, through dense timber and medium undergrowth; desc. 90 ft. over gentle NW. slope.

28.70 E. rim of Henrieville Wash, bears NE. and SW.; desc. 200 ft. over W. slope.

36.06 Bottom of Henrieville Wash, stream of water, 3 lks. wide, 1 in. deep, flows S. 20° W.; asc. 35 ft. over SE. slope.

40.00 Point for the ¼ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T36S R1W
 ¼ S34
 S 3
 T37S
 1958

Deposit a sandstone, 4x3x2 ins., mkd. with a cross (X) at base of post.

Asc. 15 ft. over SE. slope.

42.70 Power line, bears S. 55° W. and N. 55° E.; asc. 195 ft. over SE. slope.

59.10 Rim of ledges, 20 ft. high, bears NE. and S. 20° W.; asc. 55 ft. over SE. slope.

63.70 Spur, projects S. 20° W.; desc. 40 ft. over W. slope.

67.00 Draw, drains S.; asc. 120 ft. over SE. slope.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T36S R1W
 S33|S34
 S 4|S 3
 T37S
 1958

Survey of the N. Edy., T. 37 S., R. 1 W.

Claims

Land, rolling and broken mountain.
Soil, rocky clay.
Timber, medium dense juniper and pinon, widely scattered yellow pine.
Undergrowth, scattered sagebrush, silverleaf, bitter brush and grass.

S. 89° 54' W., bet. secs. 4 and 33.

Over mountainous land, through medium timber and scant undergrowth;
asc. 35 ft. over SE. slope.

- 9.90 Spur, projects SE.; desc. 35 ft. over SW. slope.
- 11.60 Draw at band, from NE. to SE.; asc. 45 ft. along small wash.
- 16.00 Leave wash; asc. 75 ft. over NE. slope.
- 23.70 Spur, projects SE.; desc. 30 ft. over W. slope.
- 27.50 Swale, drains S.; asc. 50 ft. over E. slope.
- 31.70 Spur, projects S.; desc. 135 ft. over W. slope.
- 38.80 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock, and in a mound of stone, 3 $\frac{1}{2}$ ft. base to top, with brass cap mkd.

T36S R11W

$\frac{S33}{S4}$

W C

T37S

1958

- 39.00 Rim of ledges, 50 ft. high, bears N. and S.; thence by triangulation, with topography as estimated, desc. 75 ft. over broken W. slope.

- 40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33 falls on the face of a ledge, where the cor. cannot be perpetuated; desc. 175 ft. over W. slope.

- 61.00 Draw, drains SE.; asc. 250 ft. over E. slope.

- 71.70 Spur, projects SE.; thence by chaining asc. 95 ft. along SE. changing to E. slope.

- 80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T36S R1W

$\frac{S32|S33}{S5|S4}$

T37S

1958

Land, broken mountain.
Soil, rocky clay.
Timber, medium dense juniper and pinon.
Undergrowth, scattered sagebrush, service berry, bitter brush and grass.

Survey of the N. Bdy., T. 37 S., R. 1 W.

Chains

S. 89° 54' W., bet. secs. 5 and 32.

Over broken mountain land, through medium timber and scattered undergrowth; asc. 270 ft. over E. slope.

18.60 Ridge, bears N. and S.; desc. 20 ft. along W. slope.

20.00 Rim of ledges, 50 ft. high, bears N. 20° E. and S. 20° W.; thence by triangulation, with topography as estimated, desc. 500 ft. over a broken W. slope.

33.00 Bottom of canyon, drains SW.; asc. 140 ft. over badly broken SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32 falls on inaccessible ledge; asc. 150 ft. over ledgy SE. slope.

56.30 Rim of ledges, 50 ft. high, bears NE. and SW.; thence by chaining.

56.37 Point selected for a witness point for secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

W P
S32
S 5
1958

Asc. 120 ft. over SE. slope.

62.60 Rim of ledges, 50 ft. high, bears SE. and NW.; desc. 400 ft. over ledgy SW. slope.

72.50 Bottom of canyon, drains SE.; asc. 270 ft. over ledgy NE. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T36S R1W
S31|S32
S 6|S 5
T37S
1958

Land, broken mountain.

Soil, rocky clay.

Timber, medium dense juniper and pinon.

Undergrowth, scattered sagebrush, silverleaf, bitter brush and grass.

S. 89° 54' W., bet. secs. 6 and 31.

Over broken mountain land, through medium timber and scattered undergrowth; asc. 170 ft. over E. slope.

7.60 Spur, projects SE.; desc. 60 ft. over SW. slope.

11.10 Head of draw, drains S. 20° E.; asc. 55 ft. over E. slope.

14.70 Spur, projects S.; desc. 50 ft. over W. slope.

Survey of the N. Bdy., T. 27 S., R. 1 W.

- Chains
- 25.50 Draw, drains SE.; asc. 75 ft. over E. slope.
- 35.60 Spur, projects S.
- 36.00 Rim of ledges, 20 ft. high, bears N. and S.; desc. 185 ft. over W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 6 and 31.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.
T36S RIW
 $\frac{1}{4}$ S31
S 6
T37S
1958
Desc. 50 ft. over W. slope.
- 45.00 Draw, drains SW.; asc. 40 ft. over SE. slope.
- 61.30 Spur, projects S.; desc. 50 ft. over W. slope.
- 65.90 Rim of ledges, 70 ft. high, bears S. 40° W. and N. 40° E.; desc. 120 ft. over ledges and steep W. slope.
- 67.84 True point for the cor. of Ts. 36 and 37 S., Rs. 1 and 2 W., from which its witness cor., an iron post, 2 ins. diam., conforming to the record, bears N., 10 lks. dist.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

The point for the cor. of sec. 25 and 36 is on the E. bdy. of the township at a northing of 80.00 chs. from the SE. cor. of the township.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S
RIW R1E
 $\frac{S25}{S36}$ S31
1958

From this cor., the true point for the cor. of secs. 30 and 31 bears N., 21.62 chs. dist., from which its witness cor. bears N., 1.30 chs. dist., an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record. I remove the marks S. 36 from the brass cap.

True point for the E. $\frac{1}{4}$ sec. cor. of sec. 36 is on the E. bdy. of the township, at midpoint bet. the cor. of secs. 25 and 36 and the SE. cor. of the township, falls on the N. face of a boulder, where the cor. cannot be monumented.

Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 36 bears N., .05 lks. dist.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains

T37S

R1W

 $\frac{1}{2}$

S36

W C

1958

From the true point for the $\frac{1}{2}$ sec. cor., the $\frac{1}{2}$ sec. cor. of sec. 31 bears N., 21.62 chs. dist., an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.

From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the township. N. 0° 01' W., bet. secs. 35 and 36.

Over broken land, through moderate juniper and pinon; asc. 80 ft. over SW. slope.

- 5.40 Spur, slopes N. 80° W.; desc. 30 ft. over NW. slope.
- 10.20 Wash, 10 lks. wide, 2 ft. deep, drains SW.; asc. 80 ft. over SE. slope.
- 17.60 Spur, slopes S. 80° W.; desc. 60 ft. over NW. slope.
- 26.40 Wash, 10 lks. wide, 1 ft. deep, drains N. 30° W.; desc. 60 ft. over NW. slope.
- 36.40 Desc. 150 ft. over steep N. slope.
- 39.10 Wash, 20 lks. wide, 3 ft. deep, drains N. 80° W.; asc. 20 ft. over S. slope.
- 40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 35 and 36.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T37S R1W

 $\frac{1}{2}$

935|S36

1958

Asc. 100 ft. over steep S. slope.

- 45.00 Spur, slopes W.; desc. 40 ft. over NW. slope.
- 51.00 Desc. 150 ft. over abrupt NW. slope.
- 60.20 Wash, 30 lks. wide, 3 ft. deep, drains W.; asc. 20 ft. over SW. slope.
- 65.20 Small spur, slopes W.; desc. 20 ft. over NW. slope.
- 66.70 Wash, 30 lks. wide, 3 ft. deep, drains SW.; asc. 230 ft. over SE. clay slope; leave timber.
- 80.00 Point for the cor. of secs. 25, 26, 35 and 36.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S R1W

S26|S25

S35|S36

1958

Survey of a Portion of the Subdivision, T. 47 S., R. 1 W.

Chains	Detail
	<p>Land, broken. Soil, caly and sand. Timber, moderate juniper and pinon, scattered fir and pine. Undergrowth, shadscale, mountain rush and yellow brush.</p>
	<p>From the cor. of secs. 25 and 36 on the E. bdy. of the township. N. 89° 56' W., bet. secs. 25 and 36.</p> <p>Over broken and mountainous land, through dense pinon, juniper, pine and fir; desc. 70 ft. over broken NW. slope.</p>
7.50	By triangulation desc. approx. 640 ft. over broken and ledgy NW. slope.
40.03	End of triangulation. Point for the 1/4 sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	<p>T37S R1W</p> <p>1/4 $\frac{S25}{S36}$</p> <p>1958</p>
	Desc. 100 ft. over broken NW. slope.
44.90	Main wash, 20 lks. wide, 3 ft. deep, drains S. 50° W.; asc. 100 ft. over broken SE. slope.
62.50	Base of nearly vertical ledge, bears NE. and SW.; asc. 100 ft.
63.00	Top of ledges, bears NE. and SW.; asc. 30 ft. over E. slope.
68.40	Spur, slopes S. 10° W.; desc. 210 ft. over steep W. slope.
75.10	Wash, 20 lks. wide, 3 ft. deep, drains S.; asc. 250 ft. over steep E. slope.
80.06	The cor. of secs. 25, 26, 35 and 36. Land, broken. Soil, clay and sand. Timber, dense juniper, pinon, fir and pine. Undergrowth, shadscale, mountain rush and yellow brush.
	<p>From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the township, firmly set, mkd. and witnessed as described in the official record. N. 0° 02' W., bet. secs. 33 and 34.</p> <p>Over broken mountainous land, through scattered pinon and juniper; desc. 10 ft. over N. slope.</p>
0.50	Small wash, drains W.; asc. 190 ft. over S. slope.
5.40	Spur, slopes W.; desc. 150 ft. over N. slope.
11.10	Deep gully in draw, drains W.; asc. 80 ft. over S. slope.
14.80	Point, projects W., 5.00 chs.; desc. 100 ft. along W. slope, over series of gullies and small spurs.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains

- 31.10 Gully, drains SW.; asc. 50 ft. over steep SE. slope.
- 38.00 Low spur, slopes SW. from N.; asc. 10 ft. along SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
- T37S R1W
 $\frac{1}{4}$
S33|S34
1958
- Asc. 180 ft. over steep SW. slope.
- 44.90 Spur, slopes S. 70° W.; by triangulation desc. along broken W. slope, topography as estimated.
- 53.00 Point, projects W.; desc. approx. 200 ft. over steep N. slope.
- 61.00 Wash, drains W.; asc. approx. 250 ft. over S. slope.
- 68.00 Spur, slopes W.; desc. approx. 200 ft. over N. slope.
- 74.00 Wash, drains SW.; asc. approx. 300 ft. over steep and ledgy S. slope.
- 80.00 End of triangulation.

Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

T37S R1W
S28|S27
S33|S34
1958

Land, rough, broken and mountainous.
Soil, clay, shale and sandy.
Timber, scattered pinon and juniper.
Undergrowth, shadscale and mountain rush.

N. $0^{\circ} 02'$ W., bet. secs. 27 and 28.

Over broken land, through scattered pinon and juniper.

By triangulation, topography estimated, asc. approx. 500 ft. over ledgy inaccessible S. slope.

- 15.00 Top of steep and ledgy ascent, bears E. and W. on-curve to SW.; asc. over S. slope of broken bench, through heavy timber.
- 35.00 Base of steep ascent, bears NE. and SW.; asc. approx. 100 ft. over SE. slope.
- 40.00 End of triangulation.
- Point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains

T37S R1W

S28 | S27
1958

Asc. 40 ft. over SE. slope.

41.50 Top of ridge, bears NE. and SW.; desc. 70 ft. over NW. slope, through heavy timber.

50.30 Spur, slopes W.; desc. 70 ft. over NW. slope.

60.90 Top of steep descent, bears NW. and SE.; desc. 350 ft. over steep NE. slope into draw.

71.90 Wash in bottom of draw, drains NW.; asc. 190 ft. over steep SW. slope.

76.00 Spur, slopes NW.; desc. 40 ft. over N. slope.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S R1W

S21 | S22
S28 | S27
1958

Land, rough, broken and mountainous.
Soil, sandy and clay.
Timber, scattered to dense pinon and juniper.
Undergrowth, shadscale and mountain rush.

N. 0° 02' W., bet. secs. 21 and 22.

Over rough and mountainous land, through dense pinon and juniper.

By triangulation, topography estimated, desc. over N. slope.

4.00 Top of steep descent, bears E. and W.; desc. approx. 300 ft. over steep N. slope into canyon.

15.00 Small creek in bottom of canyon, drains irregularly SW.; asc. ledgy inaccessible S. slope.

24.00 Top of steep ascent, bears E. and W.; asc. over S. slope.

28.60 End of triangulation; top of ridge, bears SW. and NE.; thence over ridge,

34.00 N. crest of ridge, bears NW. and SE.; desc. 100 ft. over NE. slope.

38.60 Low rim, 20 ft. high, bears NW. and SE.; desc. 70 ft. over ledgy NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T37S R1W

S21 | S22
1958

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains	By triangulation, topography estimated, desc. approx. 600 ft. over NE. slope, through dense timber.
63.00	Wash in deep ravine, drains W.; asc. approx. 500 ft. over ledgy and inaccessible S. slope.
76.00	Crest of steep ascent, bears E. and W.; asc. approx. 20 ft. over S. slope on top of point.
80.00	End of triangulation.
	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T37S R1W S16 S15 S21 S22 1958
	Land, rough and mountainous. Soil, rocky, clay and sandy. Timber, dense pinon and juniper. Undergrowth, shadscale and mountain rush.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over rough and mountainous land, through scattered to dense pinon and juniper.
	By triangulation, topography estimated, asc. approx. 20 ft. over S. slope.
1.20	Point, projects W. approx. 15.00 chs.; desc. approx. 600 ft. over steep and ledgy N. slope, through dense timber.
9.00	Wash, drains W.; asc. approx. 300 ft. over ledgy S. slope.
22.50	Spur, slopes SW.; desc. approx. 250 ft. over steep NW. slope.
36.00	Wash, drains SW.; asc. approx. 40 ft. over ledgy SW. slope.
40.00	End of triangulation.
	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T37S R1W ¼ S16 S15 1958
	By triangulation, topography estimated, asc. approx. 600 ft. over broken SW. slope.
79.90	Top of ridge, bears NE. and W.; end of triangulation.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

Chains

T37S R1W

S 9 | S10

S16 | S15

1958

Land, rough, ledgy and mountainous.
 Soil, rocky, clay and sand.
 Timber, scattered to dense pinon and juniper.
 Undergrowth, shadscale and mountain rush.

N. 0° 02' W., bet. secs. 9 and 10.

Over broken and mountainous land, through dense pinon and juniper.

By triangulation, topography estimated, desc. approx. 600 ft. over steep and ledgy N. slope.

12.50 Wash in ravine, drains NW.; asc. approx. 150 ft. over SW. slope.

20.00 Spur, slopes NW.; desc. approx. 150 ft. over NE. slope.

28.00 Wash, drains NW.; asc. approx. 100 ft. over SW. slope.

40.00 End of triangulation.

Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S R1W

 $\frac{1}{4}$

S 9 | S10

1958

By triangulation, topography estimated, asc. approx. 50 ft. over point projecting W.

45.00 Top of point; desc. N. slope.

58.00 Wash, drains SW.; asc. approx. 75 ft. over SE. slope.

64.00 End of triangulation; top of ascent; desc. 180 ft. along W. slope through scattered timber.

71.70 Small wash, drains NW.

79.00 Wash, drains W.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

T37S R1W

S 4 | S 3

S 9 | S10

1958

Land, broken and mountainous.
 Soil, rocky clay and sandy.
 Timber, dense to scattered juniper and pinon.
 Undergrowth, shadscale, mountain rush.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains	
	N. 0° 08' W., bet. secs. 3 and 4.
	Over mountainous land, through scattered pinon and juniper; asc. 50 ft. along W. slope.
7.60	Top of ascent; desc. 150 ft. over NW. slope.
16.00	Henrieville Wash, 2.00 chs. wide, 2 ft. deep, drains SW.; asc. 10 ft. over gradual S. slope.
25.00	Same wash, drains SE.; asc. 20 ft. over S. slope.
34.74	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T37S R1W $\frac{1}{4}$ W.C S 4 \uparrow S 3 1958
	Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.
36.84	State Highway No. 54, bears N. 23° E. and S. 23° W.; asc. 40 ft. over S. slope.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4 falls in gravel pit and cannot be perpetuated.
	By triangulation, topography estimated, through scattered timber; asc. over S. slope.
65.00	Same wash, drains SW.; asc. approx. 300 ft. over ledges facing S.
68.40	End of triangulation; spur slopes E. approx. 8.00 chs. to end; desc. 130 ft. over N. slope.
74.10	Wash in bottom of ravine, 30 lks. wide, 5 ft. deep, drains E.; asc. 160 ft. over steep S. slope.
79.34	The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the township.
	Land, broken and mountainous. Soil, clay, rocky and sandy. Timber, dense to scattered pinon and juniper. Undergrowth, shadscale and mountain rush.
	From the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the township
	S. 0° 01' E., bet. secs. 1 and 2.
	Over rolling land, through dense timber.
	By triangulation, topography estimated, desc. approx. 50 ft. over S. slope.
2.50	State Highway No. 54, bears E. and W.
4.00	W. side of bare knoll; desc. 10 ft. over S. slope.
8.00	Pole Canyon Wash, 1.00 ch. wide, 1 ft. deep, drains W.; asc. approx. 100 ft. over N. slope, through dense timber.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains	
14.00	Spur, slopes W.
20.50	End of triangulation; N. rim of ridge bears E. and W., thence over gently rolling top, through dense timber.
26.30	S. rim of ridge, bears E. and W.; desc. 60 ft. over steep S. slope.
27.80	Small wash, drains W.; asc. 40 ft. over N. slope.
31.90	Spur, slopes W.; desc. 60 ft. over S. slope.
34.70	Wash, 40 lks. wide, 1 ft. deep, drains N. 70° W.; asc. 90 ft. over N. slope.
39.50	N. edge of ridge, bears E. and W.; thence over gently rolling land.
39.78	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 16 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T37S R1W S 2 S 1 1958 Thence over gently rolling top.
75.50	Logging road, bears irregularly E. and W.
79.78	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. T37S R1W S 2 S 1 S11 S12 1958 Land, rolling. Soil, clay, rocky and sand in washes. Timber, dense pinon and juniper. Undergrowth, silverleaf, buckbrush, sage and scattered grasses.
	From the cor. of secs. 2, 3, 34 and 35 on the N. bdy.
	S. 0° 02' E., bet. secs. 2 and 3.
	Over rolling land, through dense timber; asc. 10 ft. over N. slope.
10.60	Top of ascent; desc. 10 ft. over S. slope.
13.10	Small wash, drains W.; asc. 20 ft. over N. slope.
23.00	State Highway No. 54, bears S. 80° W. and N. 80° E.; asc. 10 ft. over rolling N. slope.
28.50	Low spur, bears E. and W.; desc. 60 ft. over S. slope.
33.00	Wash, 50 lks. wide, 2 ft. deep, drains N. 80° W. from SE.; asc. 30 ft. along W. slope.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains	
39.56	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T37S R1W $\frac{1}{4}$ S 3 S 2 1958
	Desc. 20 ft. along SW. slope.
40.70	Wash, 10 lks. wide, 3 ft. deep, drains W.; asc. 40 ft. over N. slope.
45.00	Top of ascent; desc. 40 ft. over S. slope.
55.40	Graveled road to sawmill, bears N. 60° W. and S. 60° E.; desc. 60 ft. over SW. slope.
63.00	Wash, 10 lks. wide, 3 ft. deep, drains N. 60° W.; enter clearing, bears same; asc. 60 ft. over NW. slope.
67.00	Wash, 20 lks. wide, 4 ft. deep, drains NW.
74.20	Slope changes to N.; asc. 50 ft.
79.56	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.
	T37S R1W S 3 S 2 S10 S11 1958
	Land, rolling. Soil, clay and sandy clay. Timber, dense pinon and juniper. Undergrowth, silverleaf, buckbrush, sage and scant grasses.
	From the cor. of secs. 1, 2, 11 and 12.
	N. $89^\circ 54'$ W., bet. secs. 2 and 11.
	Over rolling land, through dense timber; desc. 80 ft. over W. slope.
16.10	Logging road, bears irregularly E. and W.; desc. 70 ft. over W. slope.
33.10	Small wash, drains W. from NE.; desc. 20 ft. over W. slope.
40.01	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T37S R1W $\frac{1}{4}$ S 2 S11 1958
	Desc. 80 ft. over W. slope.
51.80	Leave wash, drains S. 85° W.; asc. 80 ft. over E. slope.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

- 67.90 Graveled road to sawmill, bears NW. and SE., thence along N. slope.
- 80.02 The cor. of secs. 2, 3, 10 and 11.
 Land, rolling.
 Soil, clay and rocky.
 Timber, dense pinon and juniper.
 Undergrowth, silverleaf, buckbrush, sage and scant grasses.
-
- From the cor. of secs. 15, 16, 21 and 22.
- West, bet. secs. 16 and 21.
- Over mountainous land; desc. 20 ft. along SW. slope.
- 3.20 By triangulation, topography as estimated, desc. approx. 470 ft. over sandstone ledge and broken SW. slope of spur projecting NW.
- 18.00 Wash, 20 lks. wide, 1 ft. deep, drains NW.; desc. approx. 30 ft. over rolling NW. slope.
- 29.50 Wash, 60 lks. wide, 3 ft. deep, drains SW.; asc. approx. 10 ft. along SE. slope.
- 33.47 End of triangulation.
- 37.80 Gully, drains S.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
 Set an iron post, 30 ins. long, 2 $\frac{1}{4}$ ins. diam., 12 ins. in the ground, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
- T37S R1W
 $\frac{1}{4}$ $\frac{S16}{S21}$
 1958
- Asc. 20 ft. over E. slope, through moderate pinon and juniper.
- 41.30 Slope changes to rolling SE. slope; asc. 160 ft.
- 57.10 Spur, slopes SE.; desc. 30 ft. over SW. slope.
- 59.80 Wash, 30 lks. wide, 1 ft. deep, drains SE.; asc. 190 ft. over NE. slope, through heavy timber.
- 73.00 Slope changes to rolling SE. slope; asc. 70 ft.
- 78.90 Head of canyon draining S.; asc. 20 ft. over broken SE. slope.
- 80.00 Point for the cor. of secs. 16, 17, 20 and 21.
 Set an iron post, 30 ins. long, 2 $\frac{1}{4}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 3 $\frac{1}{4}$ ft. base to top, with brass cap mkd.
- T37S R1W
 $\frac{S17|S16}{S20|S21}$
 1958
- Land, rolling, slightly broken.
 Soil, clay, rocky to sandy loam.
 Timber, scattered to heavy juniper and pinon.
 Undergrowth, scattered buckbrush, bitter brush, silverleaf, oak and grass.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling and broken land, SE. drainage.

8.20 Finger spur, slopes SE.; desc. 10 ft. over NE. slope.

14.00 Wash, 10 lks. wide, 3 ft. deep, approx. 3.00 chs. to head, drains SE.; asc. 300 ft. over steep broken SW. slope.

24.90 Slope changes to broken W. slope; asc. 50 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T37S R1W

 $\frac{1}{4}$

S17|S16

1958

Asc. 20 ft. along rolling and broken W. slope.

58.80 Slope changes to steep rolling and broken NW. slope; desc. 370 ft.

77.10 Finger spur, slopes N. 70° W.; desc. 100 ft. over general N. slope.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, $3\frac{1}{2}$ ft. base to top, with brass cap mkd.

T37S R1W

S 8 | S 9

S17 | S16

1958

Land, rolling and broken.

Soil, rocky clay loam.

Timber, scattered to moderate juniper and pinon.

Undergrowth, scattered sage, silverleaf, buckbrush and grass.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 47' W., bet. secs. 9 and 16.

Over rolling and broken land; asc. 10 ft. over E. slope.

3.00 Top of knoll; by triangulation, topography as estimated, desc. approx. 50 ft. over NW. slope.

8.00 Canyon rim, bears NE. and S. circling to W.; desc. approx. 200 ft. over ledges and broken slope facing NW.

18.00 Small wash, drains N.; asc. approx. 50 ft. over E. slope.

22.00 Finger spur, slopes N.; desc. approx. 50 ft. over W. slope.

25.00 Small wash, drains N.; asc. approx. 200 ft. over steep slope and ledge facing NE.

30.00 Canyon rim, bears NW. and S. on curve to E.; continue over rolling land.

Chains

600.00

- 37.50 End of triangulation; desc. 10 ft. over gentle W. slope.
- 39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap mkd.
- T37S R1W
 $\frac{1}{4}$ S 9
S16
1958
- Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, N. of cor.
Desc. 70 ft.
- 57.00 Small wash, drains N.; asc. 140 ft. over gentle E. slope, through heavy timber.
- 67.50 Top of ascent; desc. 30 ft. over gentle W. slope.
- 69.10 Rim of plateau, bears N. and SW.; desc. 390 ft. over broken slope facing N. 60° W.
- 79.97 The cor. of secs. 8, 9, 16 and 17.
Land, rolling and broken.
Soil, clay loam and rocky.
Timber, scattered to heavy.
Undergrowth, scattered sage, silverleaf, grass and buckbrush.
-
- From the true point for the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the township, from which its witness cor. bears W., 2.15 chs. dist., an iron post, $2\frac{1}{2}$ ins. diam., heretofore described.
N. $0^\circ 03'$ W., bet. secs. 32 and 33.
Over rolling land; asc. 40 ft. over steep bank of creek.
- 2.60 Top of bank, bears NW. and SE. for 1.00 ch. to point; asc. 40 ft. over brushy S. slope.
- 29.00 Wash, 20 lks. wide, 2 ft. deep, drains S. 10° W.
- 37.30 Same wash, drains S. 10° E.
- 39.00 Same wash, drains S. 10° W.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33 falls in wash.
- 41.10 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, and in a collar of rock, with brass cap mkd.
- T37S R1W
 $\frac{1}{4}$ S32 S33
W C
1958
- 46.50 Same wash, drains S. 20° E.; asc. 50 ft. over S. slope.
- 63.10 Small wash, drains S. 70° W.; asc. 30 ft. over general S. slope.
- 72.00 Small wash, drains S. 30° W.; asc. 50 ft. over SW. slope.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains

80.00

Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T37S R1W

S29|S28

S32|S33

1958

No available accessories.

Land, rolling and broken.

Soil, clay.

Timber, scattered juniper and pinon to none.

Undergrowth, sage and shadscale.

From the true point for the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the township, from which its witness cor. bears E., 20 lks. dist., an iron post, 2 ins. diam., conforming to the record.

N. 0° .03' W., bet. secs. 31 and 32..

Over broken land, through scattered juniper and pinon; asc. 280 ft. over ledges and steep SE. slope.

14.50

Rim, bears irregularly E. and S. 80° W.; desc. 30 ft. over NW. slope.

25.50

Wash, 10 lks. wide, 2 ft. deep, drains S. 50° W.; asc. 70 ft. over S. slope.

33.50

Point of spur, slopes SW.; desc. 40 ft. along NW. slope.

40.00

Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T37S R1W

S31|S32

1958

Desc. 50 ft. over N. slope,

51.70

Wash, 10 lks. wide, 1 ft. deep, drains N. 70° W.; asc. 20 ft. over SW. slope.

55.00

Spur, slopes N. 80° W.; desc. 40 ft. over NW. slope.

58.60

Wash, 30 lks. wide, 3 ft. deep, drains W.; asc. 80 ft. over SW. slope.

70.70

Top of clay ridge, bears S. 20° E. and N. 10° W.; desc. 50 ft. over NE. slope.

80.00

Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T37S R1W

S30|S29

S31|S32

1958

No available accessories.

Survey of a Portion of the Subdivision, T. 37 S., R. 1 W.

Chains

wind)

Land, broken and rough.
Soil, sandy clay and clay.
Timber, scattered juniper and pinon.
Undergrowth, sage and shadscale.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over rolling land, through scattered juniper and pinon; desc. 20 ft. over SW. slope.

14.50 Wash, 20 lks. wide, 3 ft. deep, drains S. 20° W.; asc. 10 ft. over E. slope.

22.00 Wash, 10 lks. wide, 4 ft. deep, drains S. 10° E.; asc. 10 ft. over E. slope.

27.00 Wash, 10 lks. wide, 3 ft. deep, drains S. 20° E.; asc. 40 ft. over E. slope.

34.50 Small spur, slopes N. 20° E.; desc. 20 ft. over NW. slope.

36.60 Small wash, drains N. 40° E.; asc. 20 ft. over SE. slope.

39.95 Point for the 1/4 sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

T37S R1W

1/4 S29
S32

1958

Asc. 20 ft. over E. slope.

43.60 Spur, slopes N. 10° E.; desc. 30 ft. over NW. slope.

48.50 Wash, 10 lks. wide, 3 ft. deep, drains N. 60° E.; asc. 320 ft. over steep E. blue clay slope.

68.60 Top of spur, slopes N. 50° E.; asc. 100 ft. over E. slope.

79.90 The cor. of secs. 29, 30, 31 and 32.

Land, rolling for first half, steep slopes last half.
Soil, sandy clay and blue clay.
Timber, scattered juniper and pinon.
Undergrowth, sage and shadscale.

GENERAL DESCRIPTION

The land within T. 37 S., R. 1 W. is rough and broken in nature. Deep canyons with vertical ledge walls and plateaus are found in the west and rolling mountainous terrain in the higher east portion of the township.

Soil is composed of light sand to sandy clay. Timber consists of dense growth of pinon and juniper and groves of pines on the shaded north slopes in the east portion of the township.

Township 37 South, Range 1 West

Chains

Utah State Highway No. 54 enters the township on the west boundary of sec. 7 and leaves on the north boundary of sec. 1. This highway is a graded gravel road west of the bridge on the Henrieville Wash and is asphalt surfaced to the east. A gravel road for access to a sawmill junctions with the highway in sec. 2 and leaves the township on the east boundary of sec. 12.

There are a number of washes carrying small volumes of water in the higher reaches of the township. Henrieville wash drains the north portion of the township and the south portion of the township is drained southerly.

No permanent dwellings were noted during the survey and the principal use of the land is for stock grazing. A gravel pit operated by the highway department is located on the west boundary of sec. 3.

4-680
(Feb., 1980)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Max E. Swindle	Principal Assistant
LaVern Griffin	Chairman
Paul D. Hanson	Flagman
Dennis D. Bland	Cornerman
Max R. Porter	Axeman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Alburn D. Griffin	Principal Assistant
Max L. Sevy	Chainman
Gerald O. Barney	Flagman
Clement J. Davis	Cornerman
Davis Jensen	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1959

I have surveyed a portion of the north boundary of Township 37 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 18, 1959

Salt Lake City, Utah

Fred R. Chappell

Fred R. Chappell, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19____

The foregoing field notes of the survey of _____

executed by _____

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____

_____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

I, Craig P. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September, 1958, I have surveyed independently resurveyed a portion of the south boundary and surveyed a portion of the subdivision of Township 37 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 18, 1959

Salt Lake City, Utah

Craig P. Sylvester
Craig P. Sylvester, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., 19

The foregoing field notes of the survey of
executed by
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

4-680
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Note keeper
Parley Pratt	Chainman
Wallace R. Ott	Axeman
Robert A. Pratt	Flagman
Andrew M. Nelson	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Lacel E. Bland, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of September 1958, I have ~~surveyed~~ independently resurveyed a portion of the west boundary and surveyed a portion of the north boundary and a portion of the subdivision of Township 37 South, Range 1 West

of the Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

March 18, 1959
Salt Lake City, Utah

Lacel E. Bland
Lacel E. Bland, Cartographic Survey Aide

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., _____, 19____

~~The foregoing field notes of the survey of _____
_____ executed by _____
having been critically examined and found correct, are hereby approved.~~

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

CERTIFICATE OF CADASTRAL ENGINEER

Vern E. Lane

HEREBY CERTIFY upon honor that, in

obedience of special instructions bearing date of the 16th day of September, 1959, I have supervised the dependent resurvey of the west boundary and a portion of the south boundary, and the survey of the north boundary and a portion of the subdivision, Township 37 South, Range 1 West

Salt Lake 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes

March 18, 1959

Vern E. Lane

Salt Lake City, Utah

Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 20 1960

The foregoing field notes of the dependent resurvey of the west boundary and a portion of the south boundary, and the survey of the north boundary and a portion of the subdivision of Township 37 South, Range 1 West, Salt Lake Meridian, Utah

prepared by Boyd S. Owens, Fred R. Chappell, Craig P. Sylvester & Loyal E. Bland, under the supervision of Vern E. Lane, having been internally examined and found correct, are hereby approved.

Donald C. ...
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above described surveys is a true copy of the original field notes

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE SURVEY OF A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 26 SOUTH, RANGE 11 EAST

Of the Salt Lake Meridian,

Utah

In the State of

EXECUTED BY

George D. Voorhees, Cadastral Surveyor (Chief of Party)

Donald A. Cannon, Cadastral Surveyor

Boyd S. Owens, Cadastral Surveyor

Under special instructions dated August 19, 1959, which provided
for the surveys included under Group No. 430, approved August 25, 1959
and assignment instructions dated October 19, 1959

Survey commenced October 28, 1959

Survey completed October 28, 1959

INDEX DIAGRAM

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GPO 866110

— Boyd S. Owens
 — Donald A. Cannon

1326

Township 26 South, Range 11 East

Chains

The north boundary (Fifth Standard Parallel South) was surveyed by J. C. Clark in 1932. The east boundary, the Henry Mountain Guide Meridian, was surveyed by C. F. Moore in 1934. The south boundary was surveyed by Elliot Bird in 1929 and 1939. The west boundary, the third meridional section line, and sections 2, 16, 32 and 36 were surveyed by Andrew Nelson in 1954.

The following field notes are those of the survey of the section lines enclosing sections 3, 4, 9, 10 and 15.

The survey was executed with W. and L. E. Gurley solar transits Nos. 541331 and 540614, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of the survey.

Corners on east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements herein contained were made with a narrow steel tape, eight chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 29' 52.0" N. and longitude 110° 39' 21.0" W.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 15° East.

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 11 E.

Beginning at the corner of secs. 15, 16, 21 and 22, monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

S. 89° 49' E., bet. secs. 15 and 22.

Asc. 80 ft. over steep W. slope of E. wall of Red Canyon.

1.90 E. rim of Red Canyon, bears N. 20° E. and S. 20° W.; cont. over gently rolling table land draining SW.; asc. 40 ft.

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 11 E.

Chains	
32.10	Wash, 20 lks. wide, 80 ft. deep, drains N., heads about 3 chs. S.; asc.
40.00	40 ft. over NW. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 15 and 22.
68.60	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.
56.20	Asc. 50 ft. over series of low spurs and minor drains putting W.
68.60	Cont. over nearly level table land in Goblin Valley.
69.30	Top of Clay Rim, bears N. 10° E. and S. 10° W., desc. about 230 ft. over ledges facing E.
74.80	Base of ledges, bears N. and S.; cont. over nearly level land.
80.00	End of triangulation at 80.39, by return measurement to the cor.
80.00	Point for the cor. of secs. 14, 15, 22 and 23.
80.00	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
80.00	Land, gently rolling
80.00	Soil, shallow sandy clay.
80.00	Timber, none.
34.20	Wash, 16 lks. wide, 2 $\frac{1}{2}$ ft. deep, drains E. irregularly; asc. 20 ft. over rolling S. slope.
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 14 and 15.
40.00	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.
60.00	Base of abrupt ascent, bears S. 60° E. and S.; asc. 200 ft. over ledges on S. slope.
64.50	Spur, slopes sharply E.; desc. 150 ft. over ledges on N. slope.
66.00	Base of abrupt descent; bears N. and S. 60° E.; asc. 40 ft. along E. slope.

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 11 E.

Chains	
80.00	<p>Point for the cor. of secs. 10, 11, 14 and 15 falls on inaccessible spot on ledge facing E. where the cor. cannot be monumented; witness cor. hereinafter described.</p> <p>Land, rolling and broken.</p> <p>Soil, shallow sandy clay.</p> <p>Timber, none.</p>
	<p>N. 89° 46' W., bet. secs. 10 and 15.</p>
	<p>Asc. 70 ft. over clay ledges on NW. slope.</p>
3.50	<p>Spur, slopes N. 10° E.; desc. 100 ft. over ledges on W. slope.</p>
5.70	<p>Wash, 10 lks. wide, 1 ft. deep, drains N. 10° E.; heads about 5 chs. S.; asc. 220 ft. over ledges facing E.</p>
12.40	<p>Top of ascent, slopes N.; desc. 80 ft. over series of small spurs and washes putting NW.</p>
39.98	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 10 and 15.</p> <p>Set an iron post, 30 ins. long, 2$\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.</p>
	<p style="text-align: center;">T26S R11E $\frac{1}{4}$ S10 S15 1959</p>
	<p>Raise a mound of stone N. of iron post.</p>
	<p>Desc. 30 ft. over NW. slope.</p>
43.20	<p>Wash, 20 lks. wide, 10 ft. deep, drains S. 80° W. about 4 chs. to junction with wash from N.</p>
47.10	<p>Wash, 20 lks. wide, 10 ft. deep, drains S. 10° W.; asc. 80 ft. over E. slope.</p>
55.30	<p>Spur, slopes S. 30° E.; desc. 30 ft. over ledgy SW. slope.</p>
58.90	<p>Wash, 30 lks. wide, 20 ft. deep, drains S. 60° E.; asc. 50 ft. over NE. slope.</p>
64.50	<p>Spur, projects S. 20° E.; desc. 40 ft. over W. slope.</p>
68.20	<p>Wash, 40 lks. wide, 30 ft. deep, drains irregularly S. 10° E.; asc. 100 ft. over ledges on E. slope.</p>
73.50	<p>Asc. over ledge about 60 ft. high, bears N. 70° W. and irregularly S. 10° E.; cont. over nearly level benchland.</p>
79.96	<p>The cor. of secs. 9, 10, 15 and 16, monumented by an iron post, 2$\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the official record.</p> <p>Land, rolling to broken.</p> <p>Soil, shallow sandy clay.</p> <p>Timber, none.</p>
	<p>From the true point for the cor. of secs. 10, 11, 14 and 15.</p>
	<p>N. 0° 15' E., bet. secs. 10 and 11.</p>
2.95	<p>Point selected for the witness cor. of secs. 10, 11, 14 and 15.</p>

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 11 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.

T26S R11E

S10|S11

S15|S14

W C

1959

Desc. 20 ft. along E. slope of spur.

7.00 Spur, slopes N. 10° E.; desc. 30 ft. along W. slope of spur.

26.70 Wash, 20 lks. wide, 3 ft. deep, drains N. 10° E. irregularly; cont. over gently rolling S. slope.

40.02 Point for the ¼ sec. cor. of secs. 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a collar of stone, with brass cap mkd.

T26S R11E

S10|S11

1959

Cont. over gently rolling E. slope.

48.10 Wash, 10 lks. wide, 1 ft. deep, drains S. 10° E., heads about 10 chs. NW.

64.20 Wash, 35 lks. wide, 5 ft. deep, drains S. 30° E.; asc. 30 ft. over S. slope.

80.04 The cor. of secs. 2, 3, 10 and 11, monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

Land, rolling and broken desert land.

Soil, sandy clay.

Timber, none.

N. 89° 50' W., bet. secs. 3 and 10.

Asc. 100 ft. over series of low spurs and minor drains putting S.

40.15 Point for the ¼ sec. cor. of secs. 3 and 10.

Set an iron post, 2½ ins. diam., drilled 8 ins. in solid stone, with brass cap mkd.

T26S R11E

¼ S 3

S10

1959

Desc. 40 ft. over broken S. slope.

53.60 Wash, 10 lks. wide, 7 ft. deep, drains S. 65° E.; cont. over gently rolling E. slope.

59.00 Jeep trail, bears NW and SE.

64.20 Base of abrupt ascent, bears NW and S; asc. 110 ft. over ledges facing NE.

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 11 E.

Chains	
68.00	Asc. over a ledge about 70 ft. high, bears N. and S.; cont. over nearly level bench land.
80.30	The cor. of secs. 3, 4, 9 and 10, monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record. Land, rolling and broken. Soil, sandy clay. Timber, none.
	From the true point for the cor. of secs. 8, 9, 16 and 17, from which its witness cor. bears S. 89° 49' E. 2.00 chs. dist., monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record. N. 0° 03' W., bet. secs. 8 and 9. By triangulation; topography scaled from U. S. G. S. topographic maps. Desc. abruptly about 170 ft. over ledges on NW. slope.
25.60	Top of ascent, bears NE. and SW. Point selected for the witness ¼ sec. cor. of secs. 8 and 9. Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T26S R11E ¼ W C S8 ↑ S9 1959 Asc. 80 ft. along broken W. rim of East Wild Horse Mesa.
40.00	Point for the ¼ sec. cor. of secs. 8 and 9 falls in inaccessible ledges facing W. where the cor. cannot be monumented.
66.40	Ridge, bears N. 10° W. and S. 10° E.; desc. 150 ft. along ledgy E. slope.
80.00	Point for the cor. of secs. 4, 5, 8 and 9. Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 2½ ft. base to top, with brass cap mkd. T26S R11E S5 S4 S8 S9 1959 Land, rolling and broken breaks of East Wild Horse Mesa. Soil, shallow clay. Timber, none.
	From the cor. of secs. 3, 4, 9 and 10. N. 89° 42' W., bet. secs. 4 and 9. Over rolling bench land; asc. 90 ft. over E. slope.
16.70	Ridge, bears N. 10° W. and SE.; desc. 90 ft. over W. slope.

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 11 E.

Chains

- 29.00 Wash, 50 lks. wide, 20 ft. deep, drains S. 30° E.; asc. 60 ft. over E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 9.
Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
T26S R11E
 $\frac{1}{4}$ $\frac{S}{S}$ 4
S 9
1959
- 40.50 Spur, projects S. 10° W.; desc. 40 ft. over W. slope.
- 53.50 Wash, 40 lks. wide; 20 ft. deep, drains S. 10° W.; asc. 60 ft. over rolling E. slope.
- 76.50 Base of abrupt ascent, bears N. 20° W. and S. 10° E.; asc. 150 ft. over E. slope.
- 80.00 The cor. of secs. 4, 5, 8 and 9.
Land, rolling and broken breaks of East Wild Horse Mesa.
Soil, shallow clay.
Timber, none.
-
- N. 0° 03' W., bet. secs. 4 and 5.
Desc. 100 ft. along broken NE. slope.
- 11.60 Ridge, bears E. and W.; begin triangulation; topography scaled from U. S. G. S. topographic maps.
Desc. about 90 ft. over broken N. slope.
- 22.50 Desc. over ledge about 150 ft. high, bears irregularly N. 70° E. and S. 60° W.; thence desc. about 100 ft. over steep broken N. slope.
- 27.00 Base of abrupt descent, bears irregularly N. 70° E. and S. 60° W.; desc. about 20 ft. over gently rolling W. slope.
- 39.82 End of triangulation, cont. by chaining.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.
Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a small mound of stone, with brass cap mkd.
T26S R11E
 $\frac{1}{4}$ S 5 | 84
1959
- Cont. over gently rolling W. slope.
- 49.80 Bladed road, bears N. 70° E. and S. 70° W.; desc. 40 ft. over gently rolling W. slope.
- 82.30 Wash, 50 lks. wide, 15 ft. deep, drains S. 70° W.; asc. 10 ft. over S. slope.
- 83.21 Intersect the Fifth Standard Parallel South; point for closing cor. of secs. 4 and 5.
Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 11 E.

Chains

T258 R11E
832
 S5|S4
 C C
 T26S R11E
 1959

Deposit mkd. stone at base of iron post.

No other suitable accessories available.

From this cor. the standard cor. of secs. 31 and 32 bears West 17.51 chs. dist., monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.

Land, rolling desert and broken breaks of East Wild Horse Mesa.
 Soil, clay and sand.
 Timber, none.

GENERAL DESCRIPTION

The land in T. 26 S., R. 11 E. is barren and broken around Wild Horse Butte, East Wild Horse Mesa and Goblin Valley, becoming rolling desert to the north and east.

Except for some scattered native grasses there is almost no vegetation in the township.

Due to the lack of water and shallow nature of the soil, farming is impractical. Some prospecting has been done, but at the time of the survey there was no mining activity. The only use to which the land is being put to at the present is a limited amount of winter stock grazing.

The elevation above mean sea level varies from around 4,800 feet on the desert floor to the east, to 5,760 feet at the top of Wild Horse Butte in section 4.

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 19th day of August, 1959, I have ~~personally~~ supervised the survey of a portion of the subdivision of T. 26 S., R. 11 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
February 15, 1960

George D. Voorhees
George D. Voorhees
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., AUG 17 1960, 19

The foregoing field notes of the survey of a portion of the subdivision of T. 26 S., R. 11 E., Salt Lake Meridian, Utah

executed by Donald A. Cannon and Boyd S. Owens, Cadastral Surveyors, under the supervision of George D. Voorhees, Cadastral Surveyor (Chief of Party) having been critically examined and found correct, are hereby approved.

Donald A. Cannon
Donald A. Cannon
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 26 S. R. 11 E., SLM, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ORIGINAL

FIELD NOTES

OF THE REESTABLISHMENT

OF

THE INITIAL POINT

OF

THE UINTAH SPECIAL MERIDIAN AND BASE LINE

Of the Uintah Special Meridian,

In the State of Utah

EXECUTED BY

 Andrew Nelson - Cadastral Surveyor

Under special instructions dated March 27 , 1952 , which provided
for the surveys included under Group No. 381 , approved June 4, 1953
and assignment instructions dated June 1 , 1953

Survey commenced June 5 , 1953

Survey completed June 16 , 1953

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Initial Point
Utah Special Meridian and Base Line

Chains

The Utah Special Meridian and Base Line in Tps. 1 N. and 1 S., Rs. 1 W. and 1 E. was surveyed by Charles L. DuBois in 1875. The following field notes are those of the reestablishment of the Initial Point and several corners on the Utah Special Meridian and Base Line in Tps. 1 N. and 1 S., Rs. 1 W. and 1 E.

The survey was undertaken as an administrative policy of the Bureau of Land Management to restore all Initial Points of Public Land Surveys because of their great historical value.

The survey was executed with a W. & L. E. Gurley Solar Transit No. 491037, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment during the survey.

Measurements herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes.

The directions of all lines contained herein were determined by sustained angulation from U. S. Coast and Geodetic triangulation stations in the immediate vicinity.

The geographic position for the Initial Point was determined to be latitude 40° 25' 58.4" N. and longitude 109° 56' 05.2" W. as adjusted from traverses to U. S. C. & G. S. triangulation stations "OLA" and "MONTES".

The magnetic declination was found to be 15° 45' E.

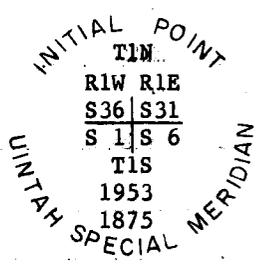
Reestablishment of the Initial Point and several corners on the Utah Special Meridian and Base Line in Tps. 1 N. and 1 S., Rs. 1 W. and 1 E.

This survey was originally executed by C. L. DuBois in 1875.

The point for the Initial Point is determined longitudinally on the center line of a gravel road and right-of-way fences to the S. and latitudinally on the center line bet. right-of-way fences to the W. This position is accepted as the best remaining evidence of the original corner position.

At the Initial Point

Set an iron post, 30 ins. long, 2½ ins. diam., 36 ins. below the surface of the road, with brass cap mkd.



from which

Point for reference monument bears S. 46° 15' E., 78.2 lks. (51.6 ft.) dist. Set an iron post, 36 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd. T1S R1E S6 RM 51.6 Ft. 1953, and an arrow pointing to the Initial Point.

Reestablishment of the Initial Point and several corners on the Uintah Special Meridian and Base Line in Tps. 1 N. and 1 S., Rs. 1 W. and 1 E.

Chains

Point for reference monument bears S. $51^{\circ} 45'$ W., 92.4 lks. (61.0 ft.) dist. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 27 ins. in the ground, with brass cap mkd. T1S R1W S1 RM 61.0 Ft. 1953, and an arrow pointing to the Initial Point.

Point for reference monument bears N. $47^{\circ} 15'$ W., 93.9 lks. (62.0 ft.) dist. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 26 ins. in the ground, with brass cap mkd. T1N R1W S36 RM 62.0 Ft., 1953, and an arrow pointing to the Initial Point.

The Initial Point is located 5 lks. N. of the center of the intersection of graded gravel roads, bearing E., W. and S.

The standard cor. of secs. 31 and 32, T. 1 N., R. 1 E. is marked by the original monument, a sandstone, $17 \times 10 \times 8$ ins., loosely set and plainly mkd. There is no remaining evidence of the original cottonwood bearing trees.

At the point for the standard cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 27 ins. in the ground, with brass cap mkd.

S C
T1N R1E
S31 | S32

1953

Bury the original cor. alongside the iron post and build a mound of stone to S., $2\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high.

From this standard cor., the Initial Point bears S. $89^{\circ} 52'$ W., 80.16 chs. dist.

The cor. of secs. 13, 18, 19 and 24, T. 1 N., Rs. 1 E. and 1 W., is marked by the original monument, a sandstone, $17 \times 12 \times 10$ ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 27 ins. in the ground, and in a flat mound of stone, with brass cap mkd.

T1N
R1W R1E
S13 | S18
S24 | S19

1953

Bury the original cor. alongside the iron post.

The cor. is located 10 lks. E. of a drainage ditch, 5 lks. wide, 2 ft. deep, draining SE.

From this cor., the Initial Point bears S. $0^{\circ} 04'$ E., 239.39 chs. dist.

The cor. of secs. 1, 6, 7 and 12, T. 1 S., Rs. 1 E. and 1 W., determined longitudinally on the center line of a fenced right-of-way to the N., and latitudinally on the center line of a fenced right-of-way to the W., and in line with a property line fence to the E.

Reestablishment of the Initial Point and several corners on the Uintah Special meridian and Base Line in Tps. 1 N. and 1 S., R. 1 W. and 1 E.

Chains

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 33 ins. in the ground, with brass cap mkd,

T1S
R1W R1E
S 1 | S 6
S12 | S 7
1953

from which

Point for reference monument bears N. 48° 00' W., 71.8 lks. (47.4 ft.) dist. Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd. T1S R1W S1 RM 47.4 ft. 1953, and an arrow pointing to the cor.

Point for reference monument bears S. 47° 00' W., 67.3 lks. (44.4 ft.) dist. Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd. T1S R1W S12 RM 44.4 ft. 1953, and an arrow pointing to the cor.

From this cor., the Initial Point bears N. 0° 05' W., 79.98 lks. dist.

The standard cor. of secs. 35 and 36, T. 1 N., R. 1 W., determined longitudinally on the center line of a road and fenced right-of-way to the N. and latitudinally on the center line of a road and fenced right-of-way to the E. and W.

At the point for the standard cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. below the surface of the road, with brass cap mkd.

S C
T1N R1W
S35 | S36
1953

from which

Point for reference monument bears N. 43° 00' W., 74.8 lks. (49.4 ft.) dist. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. T1N R1W S35 RM 49.4 ft. 1953, and an arrow pointing to the cor.

U. S. Geological Survey Bench Mark, a brass tablet mkd. M29 Elev. 5829 ft. 1934, seated in a concrete monument conforming to the record, bears S. 47° 35' W., 68.0 lks. dist.

From this standard cor., the Initial Point bears S. 89° 55' E., 79.73 chs. dist.

The closing cor. of secs. 1 and 2, T. 1 S., R. 1 W. is on the Base Line and on the center line of a road and fenced right-of-way to the S. This position is accepted as the best remaining evidence of the position of the original cor.

At the point for the closing cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. below the surface of the road, with brass cap mkd.

Reestablishment of the Initial Point and several corners on the Uintah
Special Meridian and Base Line in Tps. 1 N. and 1 S., Rs. 1 W. and 1 E.

Chains

T1N R1W
S36
S 2 | S 1
T1S R1W
C C
1958

from which

The reference monument in sec. 35, T. 1 N., R. 1 W., an iron post, $2\frac{1}{2}$ ins. diam., heretofore described, bears N. $49^{\circ} 00'$ W., 77.9 lks. dist.

U. S. Geological Survey BenchMark M29, heretofore described, bears S. $49^{\circ} 45'$ W., 71.0 lks. dist.

From this closing cor., the standard cor. of secs. 35 and 36, T. 1 N., R. 1 W., bears N. $89^{\circ} 55'$ W., 4 lks. dist.

CERTIFICATE OF CADASTRAL ENGINEER

I, Andrew Nelson, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of March 1952, I have surveyed reestablished the Initial Point of the Uintah Special Meridian and Base Line

of the Uintah Special 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 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

July 7, 1959
Salt Lake City, Utah

Andrew Nelson, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., AUG 1 1960, 19

The foregoing field notes of the survey of the reestablishment of the Initial Point of the Uintah Special Meridian and Base Line

executed by Andrew Nelson, Cadastral Surveyor

having been critically examined and found correct, are hereby approved.

Donald Clement, Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above described surveys in is a true copy of the original field notes.

Cadastral Engineering Staff Officer