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**Volume**

**#**

**R0552**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES *A 552*

Of the ..... Meridian,

In the State of .....

EXECUTED BY

Under special instructions dated ....., 19....., which provided  
for the surveys included under Group No. ...., approved .....  
and assignment instructions dated ....., 19.....

Survey commenced ....., 19.....

Survey completed ....., 19.....

# INDEX DIAGRAM

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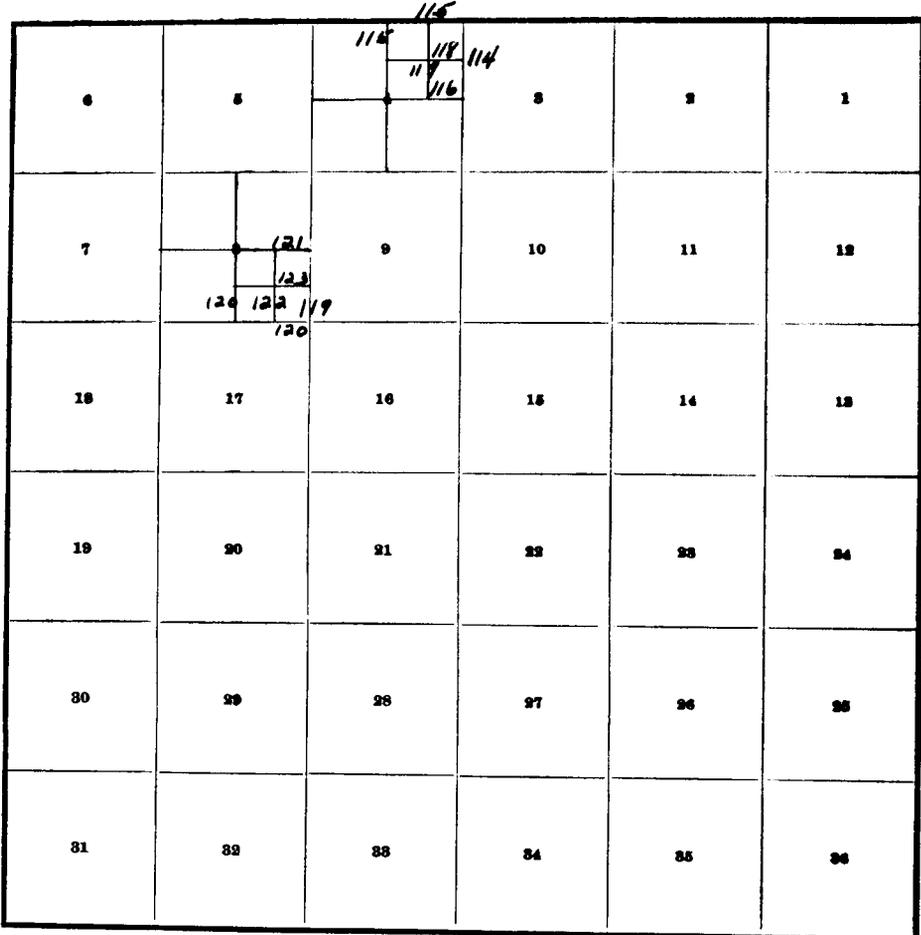
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# INDEX DIAGRAM

Township 35 SOUTH, Range 1 EAST



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# INDEX DIAGRAM

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UNITED STATES  
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# FIELD NOTES

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*Subdivision of Sec. 8, pages 189 to 193* GPO 886118  
*Subdivision of Sec. 17, pages 193 to 196*



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# FIELD NOTES

Of the ..... Meridian,

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T. 38 S., R. 1 W. 36

T. 39 S., R. 1 E.

1 427

T. 39 S., R. 1 W.

12 4267

15 42518

24 42319

25 42330

36 422 31

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T. 40 S., R. 1 E.

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Field Notes of the survey of the tract of 160 acres segregating the Rainbow Natural Bridge, in the Pinte Indian Reservation. - on pages 453 - 48

## INDEX DIAGRAM

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

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7	8	9	10	11	12
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19	20	21	22	23	24
29	29	28	27	26	25
31	32	33	34	35	36

17  
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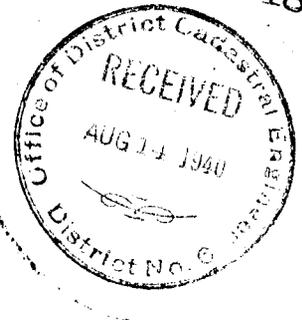
Survey completed ....., 19.....

17A

# 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
30	29	28	27	26	25
31	32	33	34	35	36



# FIELD NOTES

**DEPENDENT RESURVEY OF PORTIONS OF THE NORTH, EAST, AND SOUTH BOUNDARIES,  
 AND SUBDIVISION: INDEPENDENT RESURVEY OF PORTION OF THE SOUTH BOUNDARY:  
 AND SURVEY OF THE WEST BOUNDARY, AND PORTION OF THE SUBDIVISION:  
 COMPLETING THE SURVEY OF T. 34 S., R. 4 E.**

Of the Salt Lake Meridian,  
 the State of Utah

**EXECUTED BY**

**ANDREW NELSON, SURVEYOR**

Under special instructions dated November 30, 1935, which provided  
 for the surveys included under Group No. 269, bearing the approval of the  
 Commissioner of the General Land Office under date of July 28, 1936  
 and assignment instructions dated November 20, 1937, and  
 supplemental assignment instructions dated May 10, 1939.

Survey commenced November 22, 1937

Survey completed June 22, 1939

# INDEX DIAGRAM.

Township 34 South, Range 4 East  
 13

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22	18	81	17	67	16	55	15	44	14	36	12	
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1565

T. 34 S., R. 4 E.

The survey of T. 34 S., R. 4 E., Salt Lake Meridian, Utah, was commenced November 22, 1937, and discontinued on account of weather conditions on December 14, 1937, and resumed again on May 18, 1939.

The survey was executed with Buff and Buff transit No. 16726. The instrument is the property of the General Land Office, and is equipped with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle. The instrument was kept in good adjustment throughout the progress of the survey, and was approved for use on the survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions dated November 20, 1937, and supplemental assignment instructions dated May 10, 1939.

During the progress of this survey the solar attachments were not used, and all controlling meridians of the survey were established by hour angle observations on Polaris. The bearings of the lines were deflected from these true meridians by the repetition of angles, and carried forward by transit line, taking the mean of direct and reversed sights.

The instructions for the survey of this township give the geographical position of the southeast corner of the township as being in latitude  $37^{\circ}48'N.$ , and longitude  $111^{\circ}25'W.$

The measurements were made with Lallie steel ribbon tapes, 8 chains in length, which were graduated every link for the first 100 links, and thereafter at intervals of 10 links. The tapes were 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 with large improved clinometers, and the slope measurements properly reduced to true horizontal distances.

DEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

Reestablishment of surveys executed by  
William Lewman, U. S. Deputy Surveyor,  
in 1884.

November 22, 1937: stationed at the corner of T. 34 S., Rs. 4 and 5 E., an iron post, 3 ins. diam., set, marked and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group No. 119, Utah, in approximate latitude  $37^{\circ}48'N.$ , longitude  $111^{\circ}25'W.$ , at 1h 22.8m 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 flag about 4 miles to the west, in a clockwise direction to the star.

Local mean time of observation, - - - - Oh 57.1m p.m.  
Mean horizontal deflection angle from  
flag to star, - - - - - - - - - - - - - 91° 00'  
Azimuth of Polaris, - - - - - - - - - - 1° 00'E.  
True bearing to flag, - - - - - - - - - West.

Thence, from the above corner, with the instrument in the true meridian.

DEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S.; R. 4 E.

## Chains

West, on resurvey line along the S. boundary of section 36, T. 34 S., R. 4 E.

Descend abrupt W. slope of broken mesa and bench land, through medium dense timber and scattered short undergrowth.

- 2.79 The corner of T<sub>35</sub> S.; R<sub>s</sub> 4 and 5 E., an iron post, 3 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.
- Thence,
- S. 89° 56' W., with continuous measurement.
- 6.80 The proposed route of the new road from Escalante, Utah, to Boulder, Utah, bears N. 20° E. and S. 20° W.
- 10.50 Top of E. rim of the E. break of Calf Creek, 120 ft. below corner, bears N. and S.; descend abruptly over ledges.
- 13.30 Ravine, 190 ft. below rim, drains N. 80° W.; continue descent along broken N. slope.
- 20.50 Top of lower rim of Calf Creek, 220 ft. below top of E. rim, bears NE. and SW.; descend gradual NW. slope.
- 22.80 Base of E. breaks of Calf Creek, 90 ft. below top of lower rim, bears NE. and SW.; thence across bottom lands of creek.
- 25.60 Calf Creek, 20 lks. wide, 1 ft. deep, drains S. from N. 60° E.; continue across bottom lands of creek.
- 28.10 Base of W. breaks of Calf Creek, bears S. and NE.; ascend steep ledgy E. slope.
- 40.00 True point for the  $\frac{1}{4}$  section corner of section 36 falls on steep face of ledge, where it is impracticable to set a corner.
- 40.46 On sandstone surface rock.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for witness corner to the  $\frac{1}{4}$  section corner of section 36, with brass cap marked

$\frac{1}{4}$  S36  
WC

1937

from which  
A pinon, 8 ins. diameter, bears N. 86° 30' W., 149 links distant, marked WC  $\frac{1}{4}$  S36 BT

No other bearing tree available.

- 40.60 Top of sandstone pinnacle on rim, 350 ft. above creek, bears NW. and SE.; continue ascent over ledgy E. slope.
- 43.89 On sandstone surface rock.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for witness corner to the  $\frac{1}{4}$  section corner of section 1, with brass cap marked

WC

$\frac{1}{4}$  S 1  
1937

DEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

Chains

from which

A pinon, 7 ins. diameter, bears S.47°30'W., 170 links distant, marked WC  $\frac{1}{2}$  S1 BT

No other suitable bearing tree available.

46.69 Point midway between the corner of T. 35 S., Rs. 4 and 5 E., and the corner of sections 1 and 2; find no trace of the  $\frac{1}{2}$  section corner.

True point for the  $\frac{1}{2}$  section corner of section 1 falls on steep face of sandstone ledges, where it is impracticable to set a corner.

53.80 Top of ascent on E. rim of bench, 200 ft. above the witness corner to the  $\frac{1}{2}$  section corner of section 36, bears N. and S.; thence over broken top of bench land.

64.50 Top of W. rim of bench, bears N. and S.; descend gradual W. slope.

80.00 True point for the corner of sections 35 and 36, falls in sandstone ravine, 180 ft. below rim of bench, drains S., where it is impracticable to set a permanent corner.

80.12 On gradual E. slope.

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 witness corner to the corner of sections 35 and 36, with brass cap marked

T34S R4E  
S35 S36 WC  
T35S  
1937

from which

A pinon, 12 ins. diameter, bears N.13°15'E., 67 links distant, marked WC T34S R4E S36 BT

A pinon, 16 ins. diameter, bears N.63°15'W., 55 links distant, marked WC T34S R4E S35 BT

Land, broken ledges and surface rock.  
Soil, shallow loose sand in the depressions of the surface rock and ledges; 4th rate.  
Undergrowth, sage and black brush, mountain rush, silver leaf, weeds and grass.  
Timber, scrub juniper and pinon.  
Fair grazing land.

From the true point for the corner of sections 35 and 36. S.89°56'W., along the S. boundary of section 35.

Ascend gradual E. slope of broken bench and mesa land, through medium dense timber and scattered short undergrowth.

0.12 The witness corner to the corner of sections 35 and 36.

5.20 Top of ascent on E. slope, 20 ft. above the witness corner to the corner of sections 35 and 36, bears N.10°E. and S.10°W.; thence over rolling bench land.

DEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

Chains

10.59 The corner originally set for sections 1, 2, 35, and 36, a sandstone, 24x6x6 ins., loosely set, marked 1 notch on E. edge, and 5 notches on W. edge. Corner is witnessed by four bearing trees, as follows:

A juniper limb, 12 ins. diameter, bears N.78°45'E., 64 links distant, marked T34S R4E S36 BT

A juniper limb, 8 ins. diameter, bears S.84°45'E., 65 links distant, marked T35S R4E S1 BT

A pinon, 14 ins. diameter, bears S.79°15'W., 263 links distant, marked T35S R4E S2 BT

A juniper, 14 ins. diameter, bears N.34°30'W., 193 links distant, marked T34S R4E S35 BT

I efface the marks on the bearing trees in sections 35 and 36, and at the corner point.

Set an iron post, 3 ft. long, 2 ins. diameter, 30 ins. in the ground, with the original corner monument deposited at the base of the post, for the corner of sections 1 and 2, with brass cap marked

T34S R4E  
S35  
-----  
S2 | S1  
T35S R4E  
1937

INDEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY OF  
T. 34 S., R. 4 E.

Independent Resurvey superseding Survey executed by William Lewman, U. S. Deputy Surveyor, in 1884.

West, from the corner of sections 1 and 2, with continuous measurement from the corner of sections 35 and 36.

13.60 NW. rim of bench land, bears NE. and SW.; descend gradually over rolling W. slope.

25.80 Ravine, 70 ft. below rim of bench, drains S.; ascend gradual E. slope.

29.60 Top of ascent, 60 ft. above ravine, bears N. and S.; thence over rolling bench land.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner of section 35, with brass cap marked

$\frac{1}{4}$  S35  
1937

from which

A juniper, 10 ins. diameter, bears N.6°30'E., 86 links distant, marked  $\frac{1}{4}$  S35 BT

INDEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

## Chains

A pinon, 10 ins. diameter, bears N.84°45'W., 168 links distant, marked  $\frac{1}{2}$  S35 BT

44.20 Wash, 5 links wide, 2 ft. deep, drains SE.; ascend gradual E. slope over surface rock.

50.54 From this point, the original  $\frac{1}{2}$  section corner of sections 2 and 35, bears South, 18 links distant, a sandstone, 18x9x6 ins., firmly set, marked  $\frac{1}{2}$  on N. face. corner is witnessed by two bearing trees, as follows:

A yellow pine, 14 ins. diameter, bears N.64°30'E., 260 links distant, marked  $\frac{1}{2}$  S35 BT

A yellow pine, 12 ins. diameter, bears S.35°W., 210 links distant, marked  $\frac{1}{2}$  S2 BT

I efface the markings on the corner monument and bearing trees.

52.40 Ridge, 70 ft. above wash, bears N. and S.; descend gradual W. slope.

60.00 Leave sandstone surface rock, bears N. and S.

66.20 Small ravine, 130 ft. below ridge, drains N.30°W.; thence over rolling bench land.

72.80 Wash, 15 links wide, 4 ft. deep, drains NW. 4.00 chains distant; thence westerly.

80.00 On rolling bench land.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 34 and 35, with brass cap marked

T34S R4E

S34 S35

T35S

1937

from which

A pinon, 12 ins. diameter, bears N36°E., 196 links distant, marked T34S R4E S35 BT

A juniper limb, 8 ins. diam., bears N.25°W., 84 links distant, marked T34S R4E S34 BT

Land, broken and rolling.

Soil, shallow loose sand; 4th rate.

Undergrowth, sage and black brush, mountain rush, silver leaf, weeds and grass.

Timber, scrub juniper and pinon.

Fair grazing land.

West, along the S. boundary of section 34.

Over rolling bench land, through medium dense timber and scattered short undergrowth.

2.50 Shallow draw, near head, drains N.10°E.

3.44 Find no trace of the corner monument to the original corner of sections 2, 3, 34, and 35, but find the four original bearing trees to said corner. I efface the marks on the bearing trees.

INDEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

Chains

- 6.00 Begin gradual descent over NW: slope.  
20.80 Stock trail, bears NE. and SW.; slope changes from a gradual NW. slope to a gradual W. slope.  
32.60 Wash, 100 links wide, 2 ft. deep, in bottom of canyon, 250 ft. below corner of sections 34 and 35, drains S. 2.00 chains distant, thence SW.: ascend steep E. slope.  
40.00 On steep E. slope of sandstone, 130 ft. above wash.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner of section 34, with brass cap marked

$\frac{1}{4}$  S34

1937

from which

A pinon, 10 ins. diameter, bears N.53°E., 43 links distant, marked  $\frac{1}{4}$  S34 BT

No other bearing tree available.

- 43.95 Fall 29 links N. of the  $\frac{1}{4}$  section corner, originally set for sections 3 and 34, a sandstone, 25x12x6 ins., lying on ground, marked  $\frac{1}{4}$  on one face. Corner is witnessed by two bearing trees, as follows:

A pinon, 12 ins. diameter, bears N.7°E., 35 links distant, marked  $\frac{1}{4}$  S BT

A juniper limb, 5 ins. diameter, bears S.62°45'W., 10 links distant, marked  $\frac{1}{4}$  S BT

I efface the marks on the corner monument and bearing trees.

- 47.00 Sand spur, 60 ft. above the  $\frac{1}{4}$  section corner of section 34, projects SW.; descend gradual W. slope.  
53.70 Ravine, near head, 60 ft. below ridge, drains S.30°W.; ascend gradually over rocky E. slope.  
64.80 Top of sand ridge, 160 ft. above ravine, bears N. and S.; descend gradually over rolling SW. slope.  
74.80 Slope changes from a gradual SW. slope to a gradual W. slope.  
80.00 On rolling land, 110 ft. below top of ridge.

Set an iron post, 3 ft. long, 2 ins. diameter, 10 ins. in the ground to solid rock, and in a large mound of stone to top, for corner of sections 33 and 34, with brass cap marked

T34S	R4E
S33	S34

T35S

1937

from which..

A pinon, 10 ins. diameter, bears N.34°E., 41 links distant, marked T34S R4E S34 BT

No other suitable bearing trees available.

INDEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

Chains

Land, broken and rolling.  
Soil, deep and shallow, loose sand; 4th rate.  
Undergrowth, sage and black brush, mountain rush, weeds,  
and grass.  
Timber, scrub juniper and pinon.  
Fair grazing land.

West, along the S. boundary of section 33.

Descend gradually over W. slope of broken land, through  
scattered timber and undergrowth.

3.80 From this point the corner originally set for sections  
3, 4, 33, and 34, bears North, 11 links distant. Corner  
is a sandstone, 36 x 12 x 4 ins., loosely set, marked 3  
notches on E. and W. edges, and witnessed by a mound of  
stone to the N. of the corner monument. I efface the  
marks on the corner monument.

9.40 Sand Creek, stream 20 links wide, 6 ins. deep, in bottom  
of canyon, 270 ft. below the corner of sections 33 and  
34, flows S.; ascend steep, broken E. slope.

20.90 Spur, 260 ft. above stream, projects N.; descend steep  
NW. slope.

26.80 Ravine, 130 ft. below spur, drains N.10°W., 3.00 chains  
distant, thence NE.; ascend gradually along rolling NE.  
slope.

37.30 A small tank of water in the sandstone and in clump of  
yellow pine timber, bears North 1.00 chains distant.

40.00 On sandstone surface rock, 40 ft. above ravine.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins.  
in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section  
corner of section 33, with brass cap marked

S33  
1937

No suitable bearing trees available.

41.00 Base of abrupt ascent over sandstone ledges, bears  
N.10°W. and S.10°E.

43.95 Find no trace of the original  $\frac{1}{4}$  section corner of sections  
4 and 33.

63.40 Sandstone spur, 410 ft. above the  $\frac{1}{4}$  section corner,  
projects N.; descend abruptly.

65.60 Sandstone ravine, 80 ft. below spur, drains N.30°W.;  
ascend abrupt E. slope.

69.90 Base of abrupt ascent over E. slope of ledges,  
bears N. and S.

75.30 Top of high point on bench, 320 ft. above ravine, bears  
NE. and S.; thence along broken S. slope.

80.00 On steep, broken S. slope, 925 ft. above Sand Creek.

Set an iron post, 3 ft. long, 2 ins. diameter, 18 ins.  
in the ground to solid rock, and in a large mound of  
stone to top for corner of sections 32 and 33, with brass

INDEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,

T. 34 S., R. 4 E.

Chains

cap marked

T34S R4E  
S32 | S33

T35S

1937

deposit a sandstone, 12x10x10 ins., at base of post, marked X.

No suitable bearing trees available.

Land, broken sandstone ledges and surface rock.  
Soil, shallow, loose sand; 4th rate.  
Undergrowth, sage and black brush, silver leaf, mountain rush, weeds and grass.  
Timber, scrub juniper and pinon, and a few scattered yellow pine.  
Fair grazing land.

West, along the S. boundary of section 32.

Along broken S. face of bench to the N., through scattered timber and undergrowth.

- 1.00 Top of rim of bench, 20 ft. above corner, bears N.60°E. and S.60°W.; thence across broken top of bench.
- 3.80 Find no trace of the official corner of sections 4, 5, 32, and 33.
- 15.40 Top of SW. rim of bench, bears N.10°W. and S.10°E.; descend steep W. slope.
- 17.80 Base of descent, 90 ft. below rim of bench, bears N.10°E. and S.20°W.; thence across flat top of lower bench land; through dense timber.
- 30.30 Low rise on top of bench, bears NE. and S.20°W.
- 33.83 From this point the original  $\frac{1}{4}$  section corner set for sections 5 and 32, bears North, 25 links distant. Corner is a sandstone, 30x12x3 ins., lying on ground, marked  $\frac{1}{4}$  on one face. Corner is witnessed by two bearing trees. I efface the marks on the corner monument and bearing trees.
- 40.00 On sandstone surface rock.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section corner of section 32, with brass cap marked

$\frac{1}{4}$  S32

1937

from which

A pinon, 16 ins. diameter, bears N.78°30'E.; 58 links distant, marked  $\frac{1}{4}$  S32 BT

A yellow pine, 4 ins. diameter, bears N.72°45'W.; 95 links distant, marked  $\frac{1}{4}$  S 32 BT

Thence descend gradual NW. slope.

- 46.90 Rim of bench, 30 ft. below the  $\frac{1}{4}$  section corner, bears NE. and SW.; descend abrupt NW. slope.

INDEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

## Chains

- 54.50 Wash, 16 links wide, 1 ft. deep, in draw, 100 ft. below rim, drains SW.; ascend gradual E. slope.
- 63.00 Old Bewington trail, bears N. and S.
- 64.50 Head of ravine, drains S.60°W.; ascend steep sandstone E. slope.
- 69.10 Spur, 80 ft. above draw, projects S.30°W.; ascend gradually along broken SE. slope.
- 73.10 Small depression, drains S.10°W.
- 73.70 From this point, the original corner set for sections 5, 6, 31, and 32, bears South, 20 links distant. Corner is a sandstone, 22x8x5 ins., firmly set, marked 5 notches on E. edge, and 1 notch on W. edge. Corner is witnessed by two bearing trees. I efface the marks on the corner monument and bearing trees.
- 80.00 On rolling sandstone surface rock.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for corner of sections 31 and 32, with brass cap marked

T34S	R4E
S31	S32

T35S

1937

from which

A yellow pine, 14 ins. diameter, bears N.67°E., 120 links distant, marked T34S R4E S32 BT

A yellow pine, 10 ins. diameter, bears N.54°15'W., 22 links distant, marked T34S R4E S31 BT

Land, broken sandstone ledges and surface rock.  
Soil, shallow, loose sand; 4th rate.  
Undergrowth, sage and black brush, mountain rush, silver leaf, yellow top and weeds.  
Timber, juniper, pinon and yellow pine.  
Fair grazing land.

West, along the S. boundary of section 31.

Over rolling and broken land, through scattered timber and undergrowth.

- 2.80 Spur, 20 ft. above corner, projects S.; descend gradually along S. slope.
- 8.10 Top of NW. rim of bench, bears N. and SW.; descend gradually over W. slope of sandstone.
- 20.40 Head of ravine, 230 ft. below spur, drains NW.; continue gradual descent.
- 34.03 From this point the original  $\frac{1}{2}$  section corner of sections 6 and 31 bears South, 74 links distant. Corner is a sandstone, 16x18x4 ins., firmly set, marked  $\frac{1}{2}$  on N. face. Corner is witnessed by two bearing trees. I efface the marks on the corner monument and bearing trees.

INDEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

Chains

40.00 On sandstone surface rock, 130 ft. below ravine.  
Set an iron post, 30 ins. long, 1 in. diameter, 12 ins in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section corner of section 31, with brass cap marked

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

1937

from which

A yellow pine, 14 ins. diameter, bears N.60°30'W., 136 links distant, marked  $\frac{1}{4}$  S31 BT

No other bearing trees available.

42.70 Ravine, 70 ft. below the  $\frac{1}{4}$  section corner, drains SW.; ascend gradual E. slope.

49.40 Sandstone spur, 60 ft. above ravine, projects SW.; descend gradual W. slope.

55.91 On top of E. rim of Death Hollow, 90 ft. below spur, bears N.20°W. and S., on sandstone surface rock.

Set an iron post, 30 ins. long, 3 ins. diameter, 10 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for witness point to the corner of T<sub>34</sub> S., R<sub>s</sub>. 3 and 4 E., with brass cap marked

T34S

R3E	R4E
-----	-----

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

WP

T35S

1937

No other accessories available.

The line to the W. of this corner crosses Death Hollow, which is boxed with high vertical walls, about 300 ft. high, and the true point for the corner of T<sub>s</sub>. 34 and 35 S., R<sub>s</sub>. 3 and 4 E., falls on inaccessible breaks, where it is impossible to reach the corner point. As it is impossible to chain or project a line west from this point, I abandon the line here.

No trace of the witness corners to the corner of T<sub>s</sub>. 34 and 35 S., R<sub>s</sub>. 3 and 4 E., could be found. The record courses and distances for these witness corners from the true corner point are S.89°57'W. 19.34 chains, South 24.46 chains, and East 20.84 chains.

59.00 Approximate distance; stream 20 links wide, 10 ins. deep, in bottom of Death Hollow, about 300 ft. below witness point, flows S.; ascend abrupt inaccessible W. breaks of Death Hollow.

78.18 Computed distance and point for the corner of T<sub>s</sub> 34 S., R<sub>s</sub>. 3 and 4 E., which point is South 479.23 chains distant from the corner of T<sub>s</sub>. 33 and 34 S., R<sub>s</sub>. 3 and 4 E.. Computed distance and point for corner determined as hereinafter shown in the survey of the W. boundary of T. 34 S., R. 4 E.

True point for the corner of T<sub>s</sub> 34 S., R<sub>s</sub>. 3 and 4 E., falls in inaccessible W. breaks of Death Hollow, where it is impossible to reach the corner point.

INDEPENDENT RESURVEY OF PORTION OF SOUTH BOUNDARY,  
T. 34 S., R. 4 E.

Chains

Land, broken sandstone ledges.  
Soil, shallow, loose sand in the depression of the sandstone ledges.  
Undergrowth, sage, black and bitter brush, silver leaf, mountain rush and weeds.  
Timber, scrub juniper and pinon and a few scattered yellow pine.  
Land, inaccessible to grazing.

DEPENDENT RESURVEY OF PORTION OF WEST BOUNDARY,

T. 34 S., R. 5 E.

Reestablishment of Surveys executed by  
Elliot Bird, Surveyor, in 1924.

Note: No change was found in the topography of the portion of this boundary that was resurveyed with that given in the original record of the 1924 survey.

The  $\frac{1}{4}$  section corner of sections 25 and 30, on the W. boundary of T. 34 S., R. 5 E., is an iron post, 1 in. diam., set, marked and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.

Thence, from the above  $\frac{1}{4}$  section corner.

North, between sections 25 and 30.

40.00 On sandstone surface rock.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in a hole drilled in the solid sandstone, for corner of sections 24 and 25, with brass cap marked

T34S	T34S
S24	
S25	R5E
R4E	S30
1937	

from which

A pinon, 6 ins. diameter, bears S.33°W., 46 links distant, marked T34S R4E S25 BT

A juniper, 5 ins. diameter, bears N.56°30'W., 46 links distant, marked T34S R4E S24 BT

40.50 The corner set originally for 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. 34 S., R. 5 E., Group 119, Utah.

I efface the section marked on the W. half of the corner monument, as corner will now function only for the corner of sections 19 and 30.

North, along the W. boundary of section 19, T. 34 S., R. 5 E.

39.50 Point which is North 40.00 chains distant from the corner of sections 24 and 25.

DEPENDENT RESURVEY OF PORTION OF WEST BOUNDARY,  
T. 34 S., R. 5 E.

Chains

Set an iron post, 3 ft. long, 1 in. diameter, 14 ins. in the ground to solid rock, and in a large mound of stone, for  $\frac{1}{4}$  section corner of section 24, with brass cap marked

$\frac{1}{4}$  S24 |  
1937

from which

A juniper, 10 ins. diam., bears S.45°30'W., 24 links distant, marked  $\frac{1}{4}$  S24 BT

A juniper, 6 ins. diam., bears N.48°30'W., 82 links distant, marked  $\frac{1}{4}$  S24 BT

40.08 The  $\frac{1}{4}$  section corner originally set for sections 19 and 24, an iron post, set, marked and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.

As this corner now functions only for the  $\frac{1}{4}$  section corner of section 19, I efface the section marks on the west half of the corner monument.

79.50 Point which is North 80.00 chains distant from the corner of sections 24 and 25; on sandstone surface rock.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in a hole drilled in the solid sandstone, for corner of sections 13 and 24, with brass cap marked

T34S | T34S  
S13 |  
----- | R5E  
S24 |  
R4E | S19  
1937

80.16 The corner originally set for 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. 34 S., R. 5 E., Group 119, Utah.

As this corner now functions only for the corner of sections 18 and 19, I efface the section marks on the W. half of the corner monument.

North, along the W. boundary of section 18.

39.34 Point which is North, 40.00 chains distant from the corner of sections 13 and 24.

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 to top, for  $\frac{1}{4}$  section corner of section 13, with brass cap marked

$\frac{1}{4}$  S13 |  
1937

from which

A pinon, 10 ins. diameter, bears N.87°W., 76 links distant, marked  $\frac{1}{4}$  S13 BT

No other suitable bearing tree available.

DEPENDENT RESURVEY OF PORTION OF WEST BOUNDARY,  
T. 34 S., R. 5 E.

## Chains

- 39.94 The  $\frac{1}{2}$  section corner originally set for sections 13 and 18, an iron post, 1 in. diameter, set, marked, and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.
- As this corner now functions only for the  $\frac{1}{2}$  section corner of section 18, I efface the marks on the corner monument and bearing tree that pertains to section 13.
- 78.33 The corner of sections 12 and 13, T. 34 S., R. 4 E., an iron post, two ins. diameter, marked and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.
- Thence N.0°02'E., with continuous measurement.
- 79.94 The corner of sections 7 and 18, T. 34 S., R. 5 E., an iron post, 2 ins. diameter, set, marked and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E.

DEPENDENT RESURVEY OF PORTION OF NORTH BOUNDARY,  
T. 34 S., R. 4 E.

Reestablishment of Surveys executed by  
John P. Walker, . . . Surveyor, in 1904

The corner of sections 5, 6, 31, and 32, on the N. boundary of T. 34 S., R. 4 E., which is also mile post No. 33, of the south boundary of the Powell National Forest, is an iron post, 3 ins. diameter, set, marked and witnessed, as described in the official record of the survey of said forest boundary.

As this corner will hereafter function only for the corner of sections 31 and 32, T. 33 S., R. 4 E., and the 33rd mile post of the Powell National Forest boundary, I efface the marks on the corner monument and bearing trees that pertain to sections 5 and 6, T. 34 S., R. 4 E.

Thence, from the above corner.

West, between sections 6 and 31.

Descend abrupt W. slope of broken land, through dense timber and scattered undergrowth.

- 0.17 The closing corner of sections 5 and 6, T. 34 S., R. 4 E., subsequently set at this point.
- 4.50 Small draw near head, 90 ft. below corner, drains S.5.00 chains distant, thence westerly; ascend gradual E. slope of bench.
- 8.80 Top of ascent on bench, bears NE. and S. 4.00 chains distant to rim; descend gradual W. slope.
- 16.30 Top of white sandstone rim, bears SE. and NW. 2.00 chains distant, thence N.; descend abrupt rocky W. slope.
- 19.20 Base of descent from rim, bears N. and S.; descend gradually over sandy ground.
- 24.20 Top of lower rim, 30 ft. high, bears N. and S.

DEPENDENT RESURVEY OF PORTION OF NORTH BOUNDARY,  
T. 34 S., R. 4 E.

Chains

25.00 Stream, 5 links wide, 4 ins. deep, in bottom of Salt Gulch, 270 ft. below point for closing corner, flows S. through a narrow boxed gulch; ascend abrupt ledgy E. slope.

29.20 Top of white sandstone ledge, bears N. and S.; continue abrupt ascent.

37.00 Top of red sandstone rim, 15 ft. high, bears N. and S.

39.65 The  $\frac{1}{4}$  section corner originally set for sections 6 and 31, a sandstone, 18x14x4 ins., lying on ground, marked  $\frac{1}{4}$  on one face. Corner is witnessed by bearing trees, as follows:

A pinon, 9 ins. diameter, bears S.74°W., 18 links distant, marked  $\frac{1}{4}$  S6 BT. I efface the marks on this bearing tree.

A pinon, 7 ins. diam., bears N.24°W., 64 links distant, marked  $\frac{1}{4}$  S31 BT

I reset the corner monument 12 ins. in the ground, and a mound of stone, with the  $\frac{1}{4}$  facing the N., for  $\frac{1}{4}$  section corner of section 31, T. 33 S., R. 4 E.

40.17 Point which is West 40.00 chains distant, from the closing corner of sections 5 and 6, on steep E. shale slope, 280 ft. above stream.

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 of section 6, T. 34 S., R. 4 E., with brass cap marked

$\frac{1}{4}$  S6

1939

from which

A pinon, 9 ins. diameter, bears S.43°45'E., 63 links distant, marked  $\frac{1}{4}$  S6 BT

A juniper, 8 ins. diameter, bears S.1°30'E., 111 links distant, marked  $\frac{1}{4}$  S6 BT

41.60 Sandstone rim, 15 ft. high, bears N. and S.

49.00 Top of ascent on E. edge of bench from the NW., 100 ft. above the  $\frac{1}{4}$  section corner; thence over top of bench near S. point of same.

53.20 Begin gradual descent along stony S. slope.

69.50 Draw, 60 ft. below top of bench, drains S.60°E.; ascend gradual NE. slope.

73.20 Enter nearly level bench land, bears N. and S.

77.50 Old Bowington Trail, bears NW. and SE.

73.46 The corner of Ts. 33 and 34 S., Rs. 3 and 4 E., and also mile post No. 32, of the south boundary of the Powell National Forest, an iron post, 3 ins. diameter, set, marked, and witnessed, as described in the official record:

Land, broken sandstone rims and benches.

Soil, shallow, loose sand; 4th rate.

Undergrowth, sage and black brush, mountain rush, silver leaf and weeds.

DEPENDENT RESURVEY OF PORTION OF NORTH BOUNDARY,  
T. 34 S., R. 4 E.

Chains

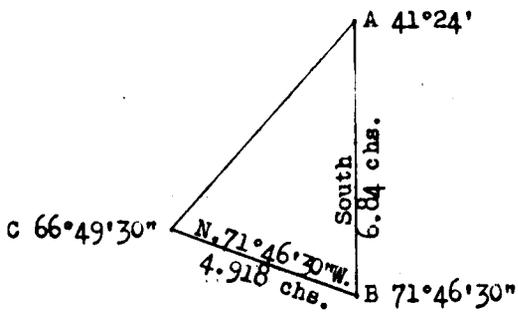
Timber, juniper and pinon. - -  
Fair grazing land. - -

WEST BOUNDARY OF T. 34 S., R. 4 E.

From the corner of Ts. 33 and 34 S., Rs. 3 and 4 E., which is also the 32nd mile post of the Powell National Forest, heretofore described.

South, on random line, along the W. boundary of T. 34 S., R. 4 E.

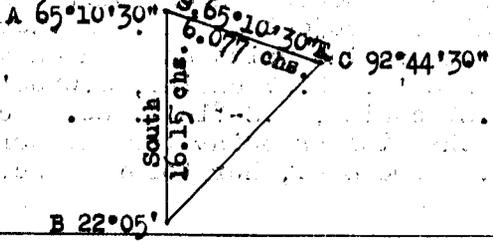
- 39.86 Set temporary  $\frac{1}{4}$  section corner of sections 1 and 6.
- 79.86 Set temporary corner of sections 1, 6, 7, and 12.
- 119.86 Set temporary  $\frac{1}{4}$  section corner of sections 7 and 12.
- 159.86 Set temporary corner of sections 7, 12, 13, and 18.
- 199.86 Set temporary  $\frac{1}{4}$  section corner of sections 13 and 18.
- 239.67 Set temporary corner of sections 13, 18, 19, and 24.
- 276.99 Set temporary witness corner to the  $\frac{1}{4}$  section corner of sections 19 and 24.
- 291.53 Deep, sandstone gorge, makes chaining to the S. of this point impossible. I therefore determine the distance by triangulation, as follows: Erect flag A at this point, and flag B on line S. From B. survey base line BC N.71° 46'30"W. 4.918 chains distant. Base line double chained, and the following angles checked by repetition: Angle B is 71°46'30", A is 41°24', and C is 66°49'30". No difference in elevation from A to B.



Distance on line, - - - - - 291.53 chains.  
 Distance by triangulation, - - - - - 6.84 chains.

298.37 To point B. of triangulation

306.38 Deep, inaccessible sandstone gorge makes chaining to the S. of this point impossible. I therefore determine the distance by triangulation, as follows: Erect flag A at this point, and flag B on line S. From A survey base line AC S65°10'30"E. 6.077 chains distant. Base line double chained, and the following angles checked by repetition: Angle A is 65°10'30", B is 22°05', and C is 92°44'30". Vertical angle from A to B is minus 3°00'.



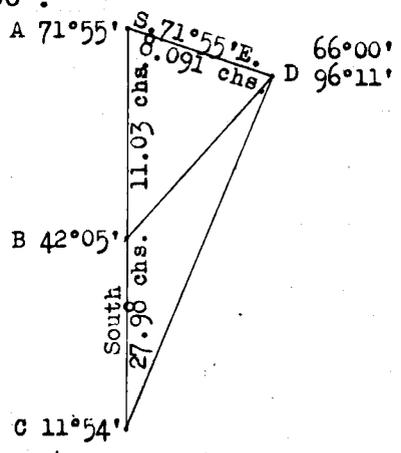
WEST BOUNDARY, T. 34 S., R. 4 E.

Chains

Distance on line, - - - - - 306.38 chains.  
 Distance by triangulation, - - - - - 16.15 chains.  
 322.53 chains.

322.53 To point B of triangulation; set temporary witness corner to the corner of sections 19, 24, 25, and 30.

348.23 The inaccessible S. face of sandstone ledges make chaining S. of this point impracticable, I therefore determine the distance by triangulation, as follows: Erect flag A. at this point, and flags B and C on line S. From A survey base line AD S.71°55'E. 8.091 chains distant. Base line double chained, and the following angles checked by repetition: Angle A is 71°55', B. is 42°05', C is 11°54', and D. is 66°00', and 96°11'. The vertical angle from A. to D is minus 5°00'.



Distance on line, - - - - - 348.23 chains.  
 Distance by triangulation A to B, - - - - - 11.03 chains.  
 Distance to point B of triangulation, - - - - - 359.26 chains.  
 Distance on line to point A of triangulation, 348.23 chs.  
 Distance by triangulation A to C, - - - - - 39.01 chs.  
 Distance to point C of triangulation, - - - - - 387.24 chs.

359.23 Set temporary witness corner to the 1/4 section corner of sections 25 and 30.

359.26 To point B of triangulation.

387.24 To point C of triangulation.

399.81 Set temporary corner of sections 25, 30, 31, and 36.

429.43 Leave flag for traverse point.

434.37 Set temporary witness corner to the 1/4 section corner of sections 31 and 36.

434.47 Set temporary witness corner to the witness point for the corner of T. 34 S., Rs. 3 and 4 E.

The line to the S. of this point crosses the inaccessible breaks of Death Hollow, over which it is impossible to chain or project a line. I therefore return to the 429.43 chains point and run on traverse line, as follows: S.45°28'E. 23.57 chains, S.0°53'E. 4.09 chains, S.19°14'E. 10.22 chains, S.20°12'E. 20.81 chains, West 5.15 chains to the witness point for the corner of Ts. 34 and 35 S., Rs. 3 and 4 E., heretofore described.

## WEST BOUNDARY, T. 34 S., R. 4 E.

## Chains

The witness point therefore is South 479.23 chains and East 22.27 chains from the corner of Ts. 33 and 34 S., Rs. 3 and 4 E.

Thence

North, on true line, between sections 31 and 36, along the W boundary of the township.

It being impossible to reach the true point for the corner of T. 34 S., Rs. 3 and 4 E. on account of the inaccessible E. and W. breaks of Death Hollow, and N. from the true corner point cannot be surveyed, I commence at the witness point to the corner of said townships, and run on traverse line, as follows, over barren sandstone ledges, giving distances to topography on the traverse line:

East, 5.15 chains.

N.20°12'W. 20.81 chains.

N.19°14'W. 10.22 chains.

N.0°53'W. 4.09 chains. At 2.00 chains on this course is a deep, sandstone gorge, with high, vertical walls, drains SW.

N.45°28'W. 23.57 chains. At 6.00 chains on this course is a deep, sandstone gorge, with high, vertical walls, drains SW.; pools of water and yellow pine timber found along bottom of gorge. At 11.00 chains on course is a deep, sandstone gorge, with high, vertical walls, drains SE.

South, 5.04 chains to

44.76 Point on true line 44.76 chains N. of the true point for the corner of T. 34 S., Rs. 3 and 4 E.

Point falls on top of high, vertical cove in wall on N. side of Death Hollow, 250 ft. high, bears SW. and SE. It being impossible to chain or project a line to the S. from here on account of the inaccessible breaks of Death Hollow, therefore, at this point, on sandstone surface rock

Set an iron post, 30 ins. long, 3 ins. diam., 10 ins. in a hole drilled in the solid sandstone, for witness point to the corner of T. 34 S., Rs. 3 and 4 E., with brass cap marked

T34S	
R3E	R4E
S36	S31

WP

1939

from which

A yellow pine, 16 ins. diameter, bears N.62°30'E., 186 links distant, marked WP T34S R4E S31 BT

A yellow pine, 5 ins. diameter, bears N.79°30'E., 38 links distant, marked BT

A yellow pine, 8 ins. diameter, bears N.66°W., 18 links distant, marked WP T34S R3E S36 BT

From this corner the stream in bottom of bend in Death Hollow, bears South about 2.00 chains distant.

WEST BOUNDARY, T. 34 S., R. 4 E.

Chains

The brown capped top of a sandstone pinnacle, bears S. 73°50'E. about 45.00 chains distant.

The square top of a sandstone butte, bears S. 18°30'E. about 36.00 chains distant.

A sandstone butte, bears South about 20.00 chains distant.

The E. point of the top of mesa, bears S. 20°W. about 30.00 chains distant.

Thence from the above corner.

North, on true line, between sections 31 and 36, counting distances from the true point for the corner of T. 34 S., Rs. 3 and 4 E.

Over sandstone ledges and surface rock, through scattered timber and undergrowth.

44.86 As the true point for the  $\frac{1}{4}$  section corner of sections 31 and 36, falls in inaccessible W. breaks of Death Hollow, where it is impossible to reach the corner point, therefore, at this point, on sandstone surface rock

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for witness corner to the  $\frac{1}{4}$  section corner of sections 31 and 36, with brass cap marked

$\frac{1}{4}$   
 S36 | S31  
 WC  
 1939

No bearing trees available.

Thence ascend abrupt S. slope over sandstone surface rock.

45.40 Head of sandstone gully at S. base of sandstone ledge, 30 ft. deep, drains S. 70°W.

49.80 Top of ascent over steep S. slope, 180 ft. above the witness point to the township corner, bears E. and W.; descend gradually along steep E. slope.

53.60 Short gulch, 100 ft. deep, drains E.; continue along steep E. slope.

80.00 On sandstone surface rock at base of steep ascent over S. slope.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, for the corner of sections 25, 30, 31, and 36, with brass cap marked

T34S  
 R3E | R4E  
 S25 | S30  
 S36 | S31  
 1939

from which

▲ yellow pine, 16 ins. diameter, bears S. 42°30'E., 244 links distant, marked T34S R4E S31 BT

## WEST BOUNDARY, T. 34 S., R. 4 E.

## Chains

To Agyellow pine, 10 ins. diameter, bears S. 82° 30' W.,  
 222 links distant, marked T34S R3E 836 BT

No other bearing trees available.

Land, broken sandstone ledges and surface rock.  
 Soil, shallow, loose sand in the depressions of the  
 sandstone; 4th rate.

Undergrowth, sage and black brush.

Timber, juniper, piñon, and yellow pine.

Land inaccessible to grazing.

North, between sections 25 and 30.

Ascend steep S. slope of broken sandstone ledges and  
 surface rock; through scattered timber and undergrowth.

7.30 Top of S. edge of spur, 240 ft. above corner, bears SW.  
 and N. 85° E.; thence over top of spur, projecting SW.

11.99 To point C of triangulation, at top of N. edge of spur,  
 bears S. 25° W. and N. 85° E. to top of mesa.

Thence by triangulation over the steep W. and NW. faces  
 of the E. breaks of Death Hollow, over which it is im-  
 possible to chain.

19.00 Approximate distance; bottom of deep, sandstone gorge,  
 draining W. to Death Hollow.

33.00 Junction of sandstone gorges, draining SW. from the  
 NE. and SE.

39.97 To point B. of triangulation.

40.00 On steep, sandstone slope, 600 ft. below spur.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins.  
 in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section  
 corner, with brass cap marked

$\frac{1}{4}$   
 S25 | S30  
 1939

from which

A yellow pine, 16 ins. diameter, bears S. 42° E., 91  
 links distant, marked  $\frac{1}{4}$  S30 BT

A yellow pine, 12 ins. diameter, bears S. 75° W., 124  
 links distant, marked  $\frac{1}{4}$  S25 BT

Continue by triangulation over inaccessible S. slope of  
 white sandstone wall.

51.00 To point A of triangulation, 600 ft. above the  $\frac{1}{4}$  section  
 corner, at top of SE. edge of sandstone knoll; thence  
 ascend gradually along top of knoll near the E. edge of  
 same.

58.60 Top of E. rim of knoll, 60 ft. above top of SE. rim;  
 thence descend abrupt N. slope.

64.60 Slope changes from a steep N. slope to a gradual NW.  
 slope.

76.70 To point B of triangulation, on gradual NW. slope of

## WEST BOUNDARY, T. 34 S., R. 4 E.

## Chains

of sandstone surface rock, 240 ft. below top of knoll, at top of S. rim of deep sandstone gulch, bears E. and W.

Set an iron post, 30 ins. long, 2 ins. diam., 12 ins. in a hole drilled in the solid sandstone, for witness corner to the corner of sections 19, 24, 25, and 30, with brass cap marked

WC	
T34S	
R3E	R4E
S24	S19
S25	S30

1939

from which

A yellow pine, 16 ins. diameter, bears S.87°45'E., 260 links distant, marked WC T34S R4E S30 BT

No other bearing trees available.

Thence by triangulation over inaccessible S. breaks of gulch to the N.

80.00 True point for corner falls on inaccessible N. face of ledge.

Land, broken sandstone ledges and surface rock. Soil, shallow, loose sand in the depressions of the surface rock; 4th rate.

Undergrowth, sage and black brush.

Timber, juniper, pinon and yellow pine.

Land inaccessible to grazing.

North, between sections 19 and 24, counting distance from the true point for the corner of sections 19, 24, 25, and 30, which is North 3.30 chains distant from the witness corner to the corner of said sections.

By triangulation over inaccessible breaks of deep gulch, through scattered timber and undergrowth.

- 5.60 Approximate distance; bottom of inaccessible sandstone gulch, about 600 ft. below corner, drains N.80°W.; ascend abrupt inaccessible N. breaks of gulch.
- 12.85 To point A of triangulation at top of N. breaks of gulch, 660 ft. above bottom, bears E. and W.; ascend gradually.
- 13.20 Low flat sandstone spur; projects N.70°W. about 12.00 chains distant to end; descend gradually along general W. slope.
- 17.40 Small depression near head, 50 ft. below spur, drains N.70°W.
- 20.86 To point B of triangulation, at top of sandstone point, 50 ft. below spur, projects N.75°W. about 10.00 chains distance to high, vertical wall.
- Thence by triangulation, across deep, inaccessible sandstone chasm.
- 24.60 Approximate distance; bottom of sandstone chasm, 300 ft. deep, drains N.70°W., about 10.00 chains distant, to Death Hollow; ascend abrupt inaccessible N. breaks of chasm.

WEST BOUNDARY, T. 34 S., R. 4 E.

Chains

- 27.70 To point A of triangulation at top of rocky point on W. slope, 300 ft. above bottom of chasm; descend abrupt NW. and N. slopes,
- 31.60 Bottom of narrow sandstone gully, 330 ft. below rocky point; drains W.; ascend abruptly.
- 34.30 Low rocky spur, 150 ft. above bottom of gully, slopes W.
- 37.60 Bottom of narrow, boxed gulch, 250 ft. deep, drains W.
- 40.00 True point for the  $\frac{1}{4}$  section corner falls on steep N. breaks of gulch, where it is impracticable to set a corner.
- 41.82 On SW. slope of sandstone surface rock.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, for witness corner to the  $\frac{1}{4}$  section corner of sections 19 and 24, with brass cap marked

$\frac{1}{4}$   
S24 | S19  
1939

No bearing trees available.

- 55.16 Small depression on W. slope, drains W.
- 68.00 Wide, shallow ravine, drains S.20°W.; ascend steep, rocky S. slope.
- 75.60 Top of high point on sandstone spur, 310 ft. above the witness corner to the  $\frac{1}{4}$  section corner, projects SW.; descend steep N. slope.
- 80.00 On steep N. slope of sandstone surface rock, 80 ft. below spur.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for the corner of sections 13, 18, 19, and 24, with brass cap marked

T34S  
R3E | R4E  
S13. | S18  
S24 | S19  
1939

from which

- A yellow pine, 8 ins. diameter, bears N.65°E., 106 links distant, marked T34S R4E S18 BT
- A yellow pine, 12 ins. diam., bears S.55°W., 96 links distant, marked T34S R3E S24 BT

No other bearing trees available.

Land, broken sandstone ledges and surface rock. Soil, shallow, loose sand in the depression of the surface rock; 4th rate. Undergrowth, sage and black brush and weeds. Timber, juniper and pinon, and a few scattered yellow pine. Most of land inaccessible to grazing.

WEST BOUNDARY, T. 34 S., R. 4 E.

Chains

North, between sections 13 and 18.

Descend steep N. slope of broken land, through scattered timber and undergrowth.

0.60 Small depression, drains W.; ascend steep, rocky SW. slope.

1.00 Death Hollow Trail, bears NW. and E.

5.10 Top of sandstone rim, 110 ft. above corner, faces SW. and bears NW. and SE.; thence over broken bench land.

8.40 Leave broken sandstone surface rock, bears NW. and SE.

25.10 One wire telephone line, bears N.30°E. to Boulder, Utah, and S.30°W, to Escalante, Utah.

30.40 Old Bowington Trail, bears NW. and SE.

40.00 On gradual S. slope, 70 ft. above rim of bench.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
S13 | S18  
1939

from which

A juniper, 8 ins. diameter, bears S.40°E. 105 links distant, marked  $\frac{1}{4}$  S18 BT

A pinon, 12 ins. diameter, bears S.55°W., 80 links distant, marked  $\frac{1}{4}$  S13 BT

43.40 Top of ascent on bench, 20 ft. above the  $\frac{1}{4}$  section corner, bears S.20°E. and NW.; thence descend gradually along E. slope.

60.40 Enter small opening, bears W. and N.20°E.

68.40 Leave opening, bears W. and S.20°E.

77.70 Rim of bench, bears NE. and W.; descend abrupt N. slope.

80.00 On N. slope, 30 ft. below base of rim, on sandstone surface rock.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for the corner of sections 7, 12, 13, and 18, with brass cap marked

T34S  
R3E | R4E  
S12 | S7  
S13 | S18  
1939

from which

A yellow pine, 10 ins. diameter, bears N.62°45'E., 78 links distant, marked T34S R4E S7 BT

A yellow pine, 20 ins. diameter, bears S.62°E., 57 links distant, marked T34S R4E S18 BT

WEST BOUNDARY, T. 34 S., R. 4 E.

Chains

S. A yellow pine, 14 ins. diameter, bears S. 37° 30' W., 80 lks. distant, marked T34S R3E S13 BT

S. A yellow pine, 18 ins. diam., bears N. 25° 15' W., 169 lks. distant, marked T34S R3E S12 BT

Land, broken ledges and surface rock.  
Soil, shallow loose sand; 4th rate.  
Undergrowth, sage and black brush, mountain rush, and weeds.  
Timber, juniper, pinon and yellow pine.  
Fair grazing land.

North, between sections 7 and 12.

Descend gradual N. and NE. slopes of broken bench land, through scattered timber and undergrowth.

18.70 Trail, bears N. 10° E. and S. 10° W.

19.70 Shallow draw, 60 ft. below corner, drains E.; ascend gradual S. slope, over white sandstone surface rock.

27.20 Recross trail, bears NW. and S. 20° E.

30.20 Top of rise on bench, 80 ft. above draw, bears W. and N. 80° E.; descend gradual NE. slope through medium dense timber.

39.40 Recross trail, bears N. 20° E. and S. 20° W.

40.00 On gradual NE. slope, 15 ft. below top of rise, on sandstone surface rock.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
 S12 | S7  
 1939

A pinon, 7 ins. diameter, bears N. 61° 30' E., 212 links distant, marked  $\frac{1}{4}$  S7 BT from which

A juniper, 16 ins. diameter, bears S. 81° 15' W., 76 links distant, marked  $\frac{1}{4}$  S12 BT

51.40 Recross trail, bears S. 20° E. and N. 20° W.

56.00 Dry wash, 10 links wide, 6 ft. deep, in shallow swale, drains NE.

66.50 Recross the Salt Gulch trail, bears NE. and S. 30° W.

80.00 On rolling land.

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, for corner of sections 1, 6, 7, and 12, with brass cap marked

T34S  
 R3E | R4E  
 S1 | S6  
 S12 | S7  
 1939

## WEST BOUNDARY, T. 34 S., R. 4 E.

## Chains

- A juniper 12 ins. diameter, bears N.70°15'E., 62 links distant, marked T34S R4E S6 BT
- A pinon, 14 ins. diameter, bears S.42°30'E., 65 links distant, marked T34S R4E S7 BT
- A juniper 14 ins. diameter, bears S.52°W., 105 links distant, marked T34S R3E S12 BT
- A pinon, 10 ins. diameter, bears N.20°W., 74 links distant, marked T34S R3E S1 BT

Land, rolling and broken, with outcroppings of sandstone. Soil, shallow loose sand; 4th rate Undergrowth, sage and black brush, mountain rush, weeds and grass. Timber, juniper, pinon, and yellow pine. Fair grazing land.

North, between sections 1 and 6.

Over broken bench land, through medium dense timber and scattered undergrowth.

- 4.20 Small depression, drains E.
- 18.20 Top of NE. rim of bench, bears NW. and SE.; descend abrupt ledgy N. slope.
- 27.80 Sand Creek, stream 15 links wide, 4 ins. deep, in bottom of narrow, rocky canyon, 400 ft. below rim of bench, flows S.70°E.; ascend abrupt ledgy S. slope.
- 32.90 Top of N. rim of Sand Creek, 220 ft. above stream, bears NW. and SE.; ascend gradual S. slope.
- 40.00 On gradual S. slope of surface rock.
- Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked
- S1 | S6  
1939
- from which
- A juniper, 16 ins. diameter, bears N.71°E., 14 links distant, marked  $\frac{1}{4}$  S6 BT
- A pinon, 24 ins. diameter, bears S.80°30'W., 24 links distant, marked  $\frac{1}{4}$  S1 BT
- 48.90 Top of sandstone rim, 20 ft. high, faces S. and bears NW. and SE.; thence over broken bench land.
- 59.20 Base of abrupt ascent over steep S. slope, bears E. and W.
- 70.20 Top of ascent on high part of bench, 290 ft. above the  $\frac{1}{4}$  sec. corner, bears NW. and SE.; descend steep N. slope.
- 75.20 Timber becomes more scattered, bears E. and W.; thence descend gradually.
- 79.23 The corner of Ts. 33 and 34 S., Rs. 3 and 4 E., which is also the 32nd mile post of the Powell National Forest,

WEST BOUNDARY, T. 34 S., R. 4 E.

Chains

40 ft. below point on bench, heretofore described.

Land, broken and rolling. Soil, shallow, loose sand; 4th rate. Undergrowth, sage and black brush, mountain rush, weeds, and grass. Timber, juniper and pinon and a few scattered yellow pine, Fair grazing land.

DEPENDENT RESURVEY OF PORTION OF SUBDIVISION, T. 34 S., R. 4 E.

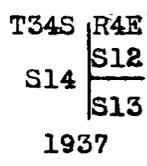
Reestablishment of Surveys executed by F. F. Roberts, Deputy Surveyor, in 1908.

The corner originally set for sections 11, 12, 13, and 14, is a volcanic stone, 12x12x6 ins., above ground, firmly set, marked 1 notch on E. edge, and 4 notches on S. edge. Corner is witnessed by a mound of stone to the west of the corner monument, and three bearing trees, as follows:

- A pinon, 10 ins. diameter, bears S.21°25'E., 11 links distant, marked T34S R4E S13 BT
- A pinon, 8 ins. diameter, bears S.27°30'W., 80 links distant, marked T34S R4E S14 BT
- A pinon, 8 ins. diameter, bears N.28°30'W., 47 links distant, marked T34S R4E S11 BT

As this corner will function only for the corner of sections 12 and 13, I move the mound of stone to the E. of the corner monument, efface the marks on the bearing trees in sections 11 and 14, and at the corner point

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, with the original corner monument deposited at the base of the post, for the corner of sections 12 and 13, with brass cap marked



Thence, from the above corner.

N.0°02'W., along the W. boundary of section 12.

Ascend gradually along broken W. slope of bench land, through scattered timber and undergrowth.

1.10 Point which is a northing of 80.00 chains from the corner of sections 13, 14, 23, and 24.

Set an iron post, 3 ft. long, 2 ins. diameter, 16 ins. in the ground to solid rock, and in a large mound of stone to top, for corner of sections 11 and 14, with brass cap marked

DEPENDENT RESURVEY OF PORTION OF SUBDIVISION,  
T. 34 S., R. 4 E.

Chains

T34S R4E  
S11  
S12  
S14  
1937

from which

A pinon, 8 ins. diameter, bears S.19°45'W., 73 links distant, marked T34S R4E S14 BT

No other bearing tree available

- 12.30 Base of abrupt ascent over SW. slope of sandstone ledges, bears E. and W.
- 17.20 Top of ridge between Dry Creek and Boulder Creek, 80 ft. above corner of sections 11 and 12, bears NW. and SE.; descend steep NE. slope, over ledges.
- 18.10 Base of ledges, 60 ft. below top of ridge, bears NW. and SE.; thence over rocky bench land.
- 30.00 Ravine, 140 ft. below base of ledges, drains E.; ascend gradually.
- 39.30 Rim of bench, 50 ft. above ravine, bears N.80°W. and S.80°E.
- 40.02 The  $\frac{1}{4}$  section corner originally set for sections 11 and 12, a volcanic stone, 16x12x6 ins., firmly set, marked  $\frac{1}{4}$  on W. face. Corner is witnessed by two bearing trees, as follows:

A pinon, 8 ins. diameter, bears N.20°30'E., 31 links distant, marked  $\frac{1}{4}$  S12 BT

A pinon, 8 ins. diam., bears S.35°15'W., 46 links distant, marked  $\frac{1}{4}$  S11 BT. I efface the marks on this bearing tree.

At the corner point.

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  $\frac{1}{4}$  section of section 12, with brass cap marked

$\frac{1}{4}$  S12  
1939

I mark an additional bearing tree to corner, as follows:

A juniper, 6 ins. diameter, bears S.3°30'E., 82 links distant, marked  $\frac{1}{4}$  S12 BT

Thence N.0°06'E., with continuous measurement.

- 41.10 Point which is a northing of 40.00 chains from the corner of sections 11 and 14.

Set an iron post, 3 ft. long, 1 in. diameter, 14 ins. in the ground to solid rock, and in a large mound of stone to top, for  $\frac{1}{4}$  section corner of section 11, with brass cap marked

$\frac{1}{4}$  S11  
1939

from which

DEPARTMENT RESURVEY OF PORTION OF SUBDIVISION,

T. 34 S., R. 4 E.

Chains

A pinon, 8 ins. diameter, bears S.36°30'W., 70 links distant, marked  $\frac{1}{2}$  S11 BT ✓

A pine, 8 ins. diameter, bears N.89°45'W., 53 links distant, marked  $\frac{1}{2}$  S11 BT ✓

50.50 Dry channel of Boulder Creek, 140 ft. below rim of bench, drains S.20°E.

54.10 Recross channel, drains SW.

58.60 Recross channel, drains SE.; ascend gradual SW. slope.

66.90 Top of ascent on SW. slope, 160 ft. above channel of Boulder Creek, slopes SW.; ascend gradually along W. slope.

80.11 The corner originally set for sections 1, 2, 11, and 12, a volcanic stone, 20x12x8 ins., firmly set, marked 1 notch on E. edge, and 5 notches on S. edge. Corner is witnessed by a fallen pinon, bearing tree to the NE.

At the corner point.

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, with the original corner monument deposited at the base of the post, for the corner of sections 1 and 12, with brass cap marked

T34S	R4E
S11	S1
	S12
1937	

No bearing trees available.

Land, broken and rolling.  
Soil, shallow, loose sand, with a rocky surface; 4th rate.  
Undergrowth, sage, black and bitter brush, mountain rush, silver leaf, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.

N.0°04'W., along the W. boundary of section 1.

Ascend gradual SW. slope of rolling and broken land, through scattered timber and undergrowth.

0.99 Point which is a northing of 80.00 chains from the corner of sections 11 and 14.

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 the corner of sections 2 and 11, with brass cap marked

T34S	R4E
S2	S1
S11	
1937	

from which.

A pinon, 6 ins. diameter, bears N.22°45'W., 69 links distant, marked T34S R4E S2 BT ✓

DEPENDENT RESURVEY OF PORTION OF SUBDIVISION,  
T. 34 S., R. 4 E.

Chains

No other bearing tree available.

12.50 Rim of mesa, 210 ft. above corner of sections 12 and 13, bears N.60°W. and S.60°E.; thence across flat top of bench.

33.90 Brush fence, bears NE. and SW.

34.80 Top of N. edge of mesa, bears NW. and SE.; descend steep NE. slope.

40.19 The  $\frac{1}{4}$  section corner originally set for sections 1 and 2, a volcanic stone, 18x12x4 ins., firmly set, marked  $\frac{1}{4}$  on W. face. Corner is witnessed by one bearing tree, as follows:

A pinon, 10 ins. diameter, bears N.13°30'E., 87 links distant, marked  $\frac{1}{4}$  S1 BT

At the corner 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, with the original corner monument deposited at the base of the post, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$  S1  
1939

No additional bearing trees available.

Thence N.0°06'E., with continuous measurement.

40.99 Point which is a northing of 40.00 chains from the corner of sections 2 and 11.

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 of section 2, with brass cap marked

$\frac{1}{4}$  S2  
1939

from which

A pinon, 12 ins. diameter, bears S.59°W., 119 links distant, marked  $\frac{1}{4}$  S2 BT

A juniper, 12 ins. diameter, bears N.21°W., 49 links distant, marked  $\frac{1}{4}$  S2 BT

43.00 Base of abrupt descent from mesa, 310 ft. below top, bears N. and SE.; thence along E. base of steep slope to the W.

59.20 Fence, bearing N. and S., at the W. side of pasture land, bears E. 2.00 chains distant.

63.60 Irrigation ditch, 5 links wide, 6 ins. deep, drains S.30°E.

66.20 Same ditch, drains S.30°W.

67.20 Stock trail, bears NW. and SE.

80.28 The corner of sections 1, 2, 35, and 36, on the north boundary of the township, which is also the 37th mile post of the Powell National Forest. Corner is an iron post, 3 ins. diameter, set, marked and witnessed,

DEPENDENT RESURVEY OF PORTION OF SUBDIVISION,  
T. 34 S., R. 4 E.

Chains

as described in the official record.

Land, broken and rolling.  
Soil, shallow, loose sand, with rocky surface; 4th rate.  
Undergrowth, sage and black brush, mountain rush, silver  
leaf; weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.

SUBDIVISION OF T. 34 S., R. 4 E.

From the true point for the corner of sections 35 and 36,  
on the S. boundary of the township, which is N. 89° 56' E., 12 lks.  
distant, from the witness corner to the corner of said  
sections, heretofore described.

N. 0° 01' W., between sections 35 and 36.

Ascend gradual SE. slope of broken land, through  
scattered timber and undergrowth.

- 1.30 Small wash, 10 links wide, 2 ft. deep, drains S. 10° W.
- 4.00 Recross wash, drains E.
- 9.00 Top of ascent on SE. slope, 80 ft. above true point  
for corner, bears NE. and SW.; thence over rolling land.
- 21.70 Recross wash, drains S. 30° W.
- 23.40 Recross wash, drains SE.
- 25.90 Junction of washes from the E. and NW., drains SW.
- 40.00 On gradual W. slope of sandstone surface rock.  
Set an iron post, 30 ins. long, <sup>1 in. diam.</sup> 12 ins. in a hole drilled  
in the solid sandstone, for  $\frac{1}{4}$  section corner, with brass  
cap marked



from which

- A pinon, 12 ins. diameter, bears S. 72° 30' E., 46 links  
distant, marked  $\frac{1}{4}$  S36 BT
- A juniper, 6 ins. diameter; bears S. 77° W., 81 links  
distant, marked  $\frac{1}{4}$  S35 BT

- 43.00 Shallow draw, drains S. 70° W. 2.00 chains distant,  
thence S.; ascend gradually over rolling bench land.
- 51.90 Wash, 5 links wide, 1 ft. deep, drains S. 10° E.
- 70.00 Top of N. rim of bench, 90 ft. above draw, bears E. and W.;  
descend gradual N. slope.
- 80.00 On sandy bench land, 80 ft. below rim of bench.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins.  
in the ground, for corner of sections 25, 26, 35, and 36,  
with brass cap marked

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

T34S	R4E
S26	S25
335	336

1937

from which

- A juniper, 6 ins. diameter, bears N.32°30'E., 89 links distant, marked T34S R4E S25 BT
- A juniper, 10 ins. diameter, bears S.11°15'E., 188 links distant, marked T34S R4E S36 BT
- A pinon, 10 ins. diameter, bears S.82°30'W., 29 links distant, marked T34S R4E S35 BT
- A pinon, 10 ins. diameter, bears N.63°30'W., 99 links distant, marked T34S R4E S26 BT

Land, broken and rolling.  
 Soil, deep and shallow, loose sand; 4th rate.  
 Undergrowth, sage and bitter brush, mountain rush, silver leaf, weeds and grass.  
 Timber, juniper and pinon.  
 Fair grazing land.

N.89°56'W., on random line, between sections 25 and 36.

40.00 Set temporary section corner.

80.04 Intersect the corner of sections 25, 30, 31, and 36, on the E. boundary of the township, an iron post, 2 ins. diameter, set, marked, and witnessed, as described in the official record of the survey of T. 34 S., R. 5 E., Group 119, Utah.

As the bearing trees to this corner are about dead, I take new bearing trees, as follows

- A juniper, 6 ins. diameter, bears N.8°E., 90 links distant, marked T34S R5E S30 BT
- A pinon, 4 ins. diameter, bears S.14°45'E., 48 links distant, marked T34S R5E S31 BT
- A pinon, 6 ins. diameter, bears S.54°30'W., 129 links distant, marked T34S R4E S36 BT
- A pinon, 10 ins. diameter, bears N.27°15'W., 83 links distant, marked T34S R4E S25 BT

Thence

S.89°56'W., on true line, between sections 25 and 36.

Descend gradual SW. slope of rolling and broken land, through scattered timber and undergrowth.

2.30 Old wagon road, bears NW. to Boulder, Utah, and SE. to Escalante, Utah.

3.00 Ravine, near head, 80 ft. below corner, drains S.30°E.; ascend gradual SE. slope.

6.70 Ridge, 80 ft. above ravine, bears N.10°W. and S.10°E.; descend steep, rocky W. slope.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- 29.00 Top of vertical E. rim of Calf Creek, 200 ft. high, bears N. and S.
- 39.10 Short sandstone gulch, 410 ft. below ridge, drains S.; ascend abrupt, ledgy W. breaks of gulch.
- 40.02 True point for the  $\frac{1}{4}$  section corner of sections 25 and 36, falls on steep face of sandstone ledges, where it is impossible to set a corner.
- 40.22 On sandstone ledge, 100 ft. above bottom of gulch.  
Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for witness corner to the  $\frac{1}{4}$  section corner of sections 25 and 36, with brass cap marked
- S 25

$\frac{1}{4}$  ————— WC

S 36
- No bearing trees available.
- 40.50 Top of sandstone spur, from bench, 20 ft. above corner, slopes S.; descend abrupt SW. face of ledges into Calf Creek.
- 45.20 Base of ledges, 100 ft. below spur, bears N. and SE.; thence over rolling bottom lands of Calf Creek.
- 48.90 Calf Creek, stream of good water, 20 links wide, 1 in. deep, in bottom of deep, sandstone gorge, flows S.50°E.; ascend abrupt W. breaks of creek.
- 56.00 Top of W. breaks of Calf Creek, 260 ft., above stream, bears N. and SE.; ascend gradually over sandstone surface rock.
- 64.30 Top of E. rim of rolling bench land, 210 ft. above rim of creek, bears N.80°E. and S.80°W.; ascend gradually over NE. slope of bench.
- 80.04 The corner of sections 25, 26, 35, and 36.  
Land, rolling and broken.  
Soil, shallow, loose sand; 4th rate.  
Undergrowth, sage, black and bitter brush, mountain rush, silver leaf, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.
- 
- N.0°01'W., between sections 25 and 26.  
Over rolling and broken bench land, through scattered timber and undergrowth.
- 1.00 Wash, 5 links wide, 2 ft. deep, drains E.; thence along broken, rocky E. slope.
- 11.00 Draw, 90 ft. below corner, drains E.; ascend gradually.
- 13.80 Spur, 70 ft. above draw, projects N.80°E.
- 16.90 Wash, 10 links wide, 1 ft. deep, drains E. 1.00 chains distant, thence SE.; ascend gradual S. slope.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

- 21.20 Top of ascent on S. slope, 20 ft. above wash, bears E. and W.; thence across flat bench.
- 22.50 Stock trail, bears NW. and SE.
- 24.90 Top of N. rim of bench, bears NW. and E.; descend gradually along broken E. slope.
- 32.10 Base of broken E. slope and ledges, bears NE. and SW.; thence across rolling bench land.
- 35.30 Wash, 10 links wide, 3 ft. deep, drains E., 50 links distant to junction with wash, from S.
- 39.20 Small ravine, drains E.; ascend gradual S. slope.
- 40.00 On S. slope of sandstone.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\begin{array}{c} \dagger \\ S26 \mid S25 \\ 1939 \end{array}$

from which

A pinon, 10 ins. diameter, bears S.89°E., 40 links distant, marked  $\frac{1}{4}$  S25 BT.

A juniper, 6 ins. diameter, bears N.16°W., 49 links distant, marked  $\frac{1}{4}$  S26 BT.

- 51.20 Sandstone spur, 90 ft. above the  $\frac{1}{4}$  section corner, projects SE.; descend gradual N. slope.
- 55.70 Ravine, 90 ft. below spur, drains E.; ascend gradual SW. slope.
- 64.70 Small draw, drains S.30°E.
- 72.80 Stock trail, bears NE. and SW.
- 78.00 Low spur, 80 ft. above ravine, slopes E.; descend gradual N. slope.
- 80.00 On sandy N. slope.
- Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 23, 24, 25, and 26, with brass cap marked

$\begin{array}{c} T34S \ R4E \\ S23 \mid S24 \\ \hline S26 \mid S25 \\ 1937 \end{array}$

from which

A juniper, 10 ins. diameter, bears N.69°30'E., 57 links distant, marked T34S R4E S24 BT.

A juniper, 12 ins. diameter, bears S.44°E., 57 links distant, marked T34S R4E S25 BT.

A juniper, 8 ins. diameter, bears S.32°30'W., 48 links distant, marked T34S R4E S26 BT.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

Present

A pinon, 10 ins. diameter, bears N. 65° W., 75 links distant, marked  $\frac{1}{2}$  S25 BT

Notes

Lead, rolling and broken.  
Soil, deep and shallow, loose sand; 4th rate.  
Undergrowth, sage, bitter and black brush, mountain rush, silver leaf, and greasewood.  
Timber, juniper and pinon.  
Fair grazing land.

N. 59° 55' E., on random line, between sections 24 and 25.

40.00 Set temporary  $\frac{1}{2}$  section corner.

80.00 Intersect the corner of sections 24 and 25, on the E. boundary of the township, heretofore described.

Thence

S. 59° 55' W., on true line, between sections 24 and 25.

Descend steep W. slope of broken land, through scattered timber and undergrowth.

4.60 Small draw, drains SW.

5.50 Dry Creek, stream 5 links wide, 6 ins. deep, in draw, 80 ft. below corner, flows SE. 3.00 chains distant, thence S.; ascend gradual NE. slope.

13.80 Old wagon road, bears N. to Boulder, Utah, and S. to Escalante, Utah.

14.60 Slope changes from a NE. slope to a N. slope.

17.20 Ravine, drains N. 10° E. 4.00 chains distant, thence E.; contains aspen.

25.90 Old abandoned wagon road, bears N. and S.

30.00 Ridge, 320 ft. above Dry Creek, bears N. 35° W. and S. 25° E.; descend steep W. slope.

32.60 Improved road, bears SE. to Escalante, Utah, and NW. to Boulder, Utah.

40.04 On W. slope, 300 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in. diam., 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

S 24  
+  
S 25  
-----  
1937

from which

A pinon, 6 ins. diameter, bears S. 56° E., 60 links distant, marked  $\frac{1}{2}$  S25 BT

A pinon, 6 ins. diameter, bears N. 52° W., 53 links distant, marked  $\frac{1}{2}$  S24 BT

47.50 From this point, a waterfall about 75 ft. high, in Calf Creek, bears N. 79° 30' W. about 15.00 chains distant.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- 52.20 Top of E. rim of Calf Creek, bears NW. and S.; descend abruptly over ledge, about 150 ft. high.
- 53.20 Base of ledge, bears NW. and S.; descend brushy W. slope.
- 62.00 Calf Creek, 20 links wide, 6 ins. deep, in bottom of canyon, 470 ft. below the  $\frac{1}{4}$  section corner, flows S.; waterfall, about 75 ft. high, bears North, 2.00 chains distant; ascend abrupt breaks of Calf Creek.
- 65.00 Top of W. rim of Calf Creek, 300 ft. above stream, bears N. and S.; thence along broken N. slope.
- 78.80 Stock trail, bears N. and S.
- 80.08 The corner of sections 23, 24, 25, and 26, 90 ft. above rim of Calf Creek.

Land, broken ledges and benches.  
 Soil, shallow, loose sand; 4th rate.  
 Undergrowth, sage, black and bitter brush, mountain rush, silver leaf, weeds and grass.  
 Timber, juniper and pinon.  
 Fair grazing land.

N.0°01'W., between sections 23 and 24.

Descend gradually along broken bench land, through scattered undergrowth and timber.

- 3.40 Small ravine, 50 ft. below corner drains N.80°E.; ascend gradual E. slope.
- 14.80 Spur, 110 ft. above ravine, projects SE.; descend gradual N. slope.
- 21.80 Top of SW. rim of Calf Creek, 140 ft. below spur, bears NW. and SE.; descend abruptly over vertical ledge, 100 ft. high.
- 23.60 Calf Creek, stream 20 links wide, 6 ins. deep, in deep canyon, 100 ft. below rim, flows SE.; ascend abruptly over vertical NE. rim of Calf Creek.
- 27.50 Top of NE. rim of Calf Creek, 80 ft. above bottom, bears NW. and SE.; ascend gradually along steep W. slope.
- 39.50 Small ravine, drains W.
- 40.00 True point for the  $\frac{1}{4}$  section corner falls on face of sandstone ledge, where it is impossible to set a corner.
- 40.17 On top of small spur, 170 ft. above Calf Creek, slopes W.  
 Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a large mound of stone to top, for witness corner to the  $\frac{1}{4}$  section corner of sections 23 and 24, with brass cap marked

$\frac{1}{4}$   
 S23 | S24

WC

1937

from which

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

A pinon, 5 ins. diameter, bears N.56°E., 24 links distant, marked WC 1/4 S24 BT

A juniper, 16 ins. diameter, bears S.19°30'W., 172 links distant, marked WC 1/4 S23 BT

44.50 Rocky spur, 50 ft. above the witness 1/4 section corner, projects S.75°W.

46.00 Small ravine, near head, drains S.75°W.; ascend gradually along broken W. slope, over lava boulders.

55.50 Spur, 150 ft. above the witness 1/4 section corner, slopes W.; continue along W. slope.

61.00 Base of abrupt ascent over SW. slope of ledges, bears NW. and SE.

66.00 Top of ledges, bears NW. and SE.; ascend steep SW. slope.

78.60 Enter SE. point of New Home Bench, 550 ft. above the witness corner to the 1/4 section corner, bears NW. and SE.; thence across level top of bench.

79.00 On level top of SE. point of New Home Bench.

Set an iron post, 3 ft. long, 2 ins. diameter, 18 ins. in the ground to solid rock, and in a large mound of stone to top, for witness corner to the corner of sections 13, 14, 23, and 24, with brass cap marked

WC	
T34S	R4E
S14	S13
S23	S24
1937	

from which

A juniper, 8 ins. diameter, bears N.34°30'E., 126 links distant, marked WC T34S R4E S13 BT

A pinon, 6 ins. diameter, bears S.16°30'E., 108 links distant, marked WC T34S R4E S24 BT

A pinon, 6 ins. diameter, bears S.48°15'W., 51 links distant, marked WC T34S R4E S23 BT

A pinon, 5 ins. diameter, bears N.80°W., 128 links distant, marked WC T34S R4E S14 BT

80.00 True point for the corner of sections 13, 14, 23, and 24, falls in middle of new road, bears NW. to Boulder, Utah, and SE. to Escalante, Utah.

At the true corner point, set a lava stone, 12x14x4 ins., marked with a cross (X), 14 ins. in the ground.

Land, broken and rolling.  
Soil, shallow and deep, loose sand; 4th rate.  
Undergrowth, sage, service, black and bitter brush, mountain rush, silver leaf, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.

From the true point for the corner of sections 13, 14, 23 and 24.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

N.89°56'E., on random line, between sections 13 and 24.

40.00 Set temporary 1/4 section corner.

80.04 Intersect the corner of sections 13 and 24, on the E. boundary of the township, heretofore described.

Thence

S.89°56'W., on true line, between sections 13 and 24.

Descend gradual SW. slope of broken land, through scattered timber and undergrowth.

5.60 Sandy spur, projects SE.; continue descent over gradual W. slope.

18.00 Boulder Creek, stream 20 links wide, 2 ins. deep, in canyon, 180 ft. below corner, flows S.10°E.; ascend gradual E. slope.

34.00 Base of sandstone ledges, bears N. and S.; ascend abrupt E. face of ledges.

40.02 On top of sandstone spur, 370 ft. above Boulder Creek, projects SE.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for 1/4 section corner, with brass cap marked

1/4 S13  
-----  
S24  
1939

No suitable bearing trees available.

Thence descend gradually along abrupt S. slope of sandstone ledges.

45.40 Slope changes from a S. slope to a SW. slope.

50.30 Ravine, 320 ft. below corner, drains N.60°W.; thence descend abrupt W. slope.

55.60 Dry Creek, stream 5 links wide, 6 ins. deep, in large sandstone draw, 30 ft. below ravine, flows S.10°E.; ascend steep E. slope.

76.50 Top of E. rim of New Home Bench, 480 ft. above stream, bears N.30°W. and S.40°E.; thence across level top of bench.

80.04 The true point for the corner of sections 13, 14, 23, and 24.

Land, broken and rolling.  
Soil, deep and shallow, loose sand; 4th rate.  
Undergrowth, sage, bitter and black brush, mountain rush, silver leaf, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.

From the true point for the corner of sections 13, 14, 23 and 24.

N.0°01'W., on random line, between sections 13 and 14.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

- 40.00 Set temporary  $\frac{1}{4}$  section corner.
- 78.90 Fall  $\frac{1}{4}$  mile W. of the corner of sections 12 and 13, heretofore described.
- Thence from the true point for the corner of sections 13, 14, 23, and 24.
- N.0°03'E., on true line, between sections 13 and 14.
- Over rolling top of the SE. point of New Home Bench, through scattered timber and undergrowth.
- 3.30 Top of NE. rim of New Home Bench, bears NW. and SE.; descend gradually along broken E. slope.
- 18.00 Small ravine, 270 ft. below top of bench, drains E.; continue descent.
- 27.90 Ravine, 140 ft. below last ravine, drains N.80°E.; ascend gradually along E. slope.
- 35.90 Rocky spur, 30 ft. above ravine, projects N.60°E.; descend gradually along sandstone E. slope.
- 40.00 On E. slope of sandstone surface rock.
- Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked
- $\frac{1}{4}$   
S14|S13  
1937
- No suitable bearing trees available.
- 55.30 Dry Creek, stream 5 links wide, 6 ins. deep, in large draw, 90 ft. below the  $\frac{1}{4}$  section corner, flows S.30°E.; ascend steep SW. slope over large lava boulders.
- 66.70 Base of abrupt ascent over SW. slope of white sandstone ledges, bears NW. and SE.
- 77.00 Top of ledges, 290 ft. above stream, bears NW. and SE.; ascend gradually along rocky W. slope.
- 78.90 The corner of sections 12 and 13.
- From this corner the corner of sections 11 and 14, heretofore described, bears N.0°02'W., 1.10 chains distant.
- Land, broken and rolling.  
Soil, deep and shallow, loose sand; 4th rate.  
Undergrowth, sage, bitter and black brush, mountain rush, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.
- 
- From the corner of sections 34 and 35, on the S. boundary of the township, heretofore described.
- N.0°01'W., between sections 34 and 35.
- Over rolling and broken bench land, through scattered timber and undergrowth.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- 4.60 Small ravine, drains W.
- 12.00 Ravine, 80 ft. deep, drains S.80°W.; ascend gradual S. slope.
- 23.20 Head of draw, drains SW.; ascend gradual SW. slope.
- 28.10 Spur, projects W.; descend gradually along W. slope.
- 34.60 Gulch, 120 ft. below spur, drains W.; ascend steep, abrupt S. slope of sandstone.
- 40.00 On steep S. slope of sandstone, 180 ft. above gulch.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
S34|S35  
1937

from which

A point on face of sandstone ledge marked B O bears N.74°30'E., 19 links distant.

No other suitable accessories available.

- 44.00 Top of high, rocky spur, 50 ft. above the  $\frac{1}{4}$  section corner, projects SW.; descend steep N. slope, over ledges and barren sandstone.
- 58.50 Bottom of deep canyon, 340 ft. below spur, drains S.80°W.; ascend gradual S. slope.
- 80.00 On gradual S. slope of sandstone surface rock.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a large mound of stone to top, for the corner of sections 26, 27, 34, and 35, with brass cap marked

T34S R4E  
S27|S26  
S34|S35  
1937

from which

A pinon, 10 ins. diameter, bears N.55°30'E., 84 links distant, marked T34S R4E S26 BT

A pinon, 8 ins. diameter, bears S.10°E., 115 links distant, marked T34S R4E S35 BT

A pinon, 12 ins. diameter, bears S.21°W., 101 links distant, marked T34S R4E S34 BT

A pinon, 12 ins. diameter, bears N.33°45'W., 118 links distant, marked T34S R4E S27 BT

Land, rolling and broken.  
Soil, deep and shallow, loose sand; 4th rate.  
Undergrowth, sage, bitter and black brush, mountain rush, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains	<p>East, on random line, between sections 26 and 35.</p> <p>40.00 Set temporary <math>\frac{1}{4}</math> section corner.</p> <p>80.00 Intersect the corner of sections 25, 26, 35, and 36.</p> <p>Thence</p> <p>West, on true line, between sections 26 and 35.</p> <p>Ascend abrupt E. slope of broken land, through scattered timber and undergrowth.</p> <p>3.00 Low ridge, 30 ft. above corner, bears NW. and SW.</p> <p>9.10 Ravine, 130 ft. below ridge, drains N.80°W.; ascend gradually along steep N. slope.</p> <p>22.20 Point of spur, 70 ft. above ravine, slopes NW.; continue along steep N. slope.</p> <p>37.00 Spur, projects N.85°W.; thence descend gradually along S. slope of spur.</p> <p>40.00 On steep S. slope, 20 ft. below top.</p> <p>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 <math>\frac{1}{4}</math> section corner, with brass cap marked</p> <div style="text-align: center;"> <p>S 26</p> <hr style="width: 50px; margin: 0 auto;"/> <p>S 35</p> <p>1939'</p> </div> <p style="text-align: right;">from which</p> <p>A pinon, 7 ins. diameter, bears N.45°E., 68 links distant, marked <math>\frac{1}{4}</math> S26 BT</p> <p>A pinon, 5 ins. diameter, bears S.35°W., 23 links distant, marked <math>\frac{1}{4}</math> S35 BT</p> <p>47.60 Top of abrupt descent over SW. slope, bears NW. and SE.</p> <p>60.20 Ravine, 120 ft. below top of ascent, drains N.85°W.; ascend abrupt N. slope over ledges.</p> <p>68.50 Base of ledges, bears S.30°W. and N.80°E. 5.00 chains distant, thence NW.; thence across bottom lands of deep canyon.</p> <p>71.00 Wash, in bottom of canyon, 110 ft. below ravine, drains S.30°W.; ascend gradual SE. slope, over barren sandstone.</p> <p>80.00 The corner of sections 26, 27, 34, and 35, 120 ft. above bottom of canyon.</p> <p>Land, broken sandstone ledges and surface rock. Soil, shallow, loose sand; 4th rate. Undergrowth, sage, bitter and black brush, mountain rush, silver leaf, weeds and grass. Timber, juniper and pinon. Fair grazing land.</p>
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N.0°01'W., between sections 26 and 27.

Ascend gradual SE. slope of broken land, through scattered timber and undergrowth.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

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- 3.10 Top of ascent, 40 ft. above corner, bears E. and W.; descend gradually along broken E. slope.
- 6.00 Ravine, 40 ft. below top of ascent, drains S.60°E.; ascend gradual S. slope.
- 9.50 Rocky spur, 50 ft. above ravine, projects SE.; descend gradual N. slope.
- 14.00 Ravine, 140 ft. below spur, drains S.80°E.; ascend gradual S. slope.
- 34.60 Top of ridge, 210 ft. above ravine, bears NE. and SW.; descend gradually along broken W. slope.
- 39.50 Ravine, 40 ft. below ridge, drains S.30°W.; ascend gradual SE. slope.
- 40.00 On solid sandstone,

Set an iron post, 30 ins. long, 1 ins. diameter, 12 ins. in a hole drilled in the solid rock, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
S27 | S26  
1937

from which

A pinon, 6 ins. diameter, bears N.20°15'E., 49 links distant, marked  $\frac{1}{4}$  S26 BT

A pinon, 6 ins. diameter, bears S.42°W., 79 links distant, marked  $\frac{1}{4}$  S27 BT

- 44.30 Bottom of ravine, drains S.10°W.; ascend gradual SE. slope.
- 49.00 Sandy spur, 90 ft. above the  $\frac{1}{4}$  section corner, projects SE.; descend gradually along E. slope.
- 52.30 Draw, drains S.30°E.; water pocket, in draw, 20 links E. of line; ascend steep S. face of white sandstone ledge.
- 60.50 High, rocky spur, 20 ft. above draw, projects W.; ascend gradually along broken W. slope.
- 68.30 Sandstone spur, 40 ft. above last spur, projects S.80°W.; descend gradual NW. slope.
- 75.40 Gulch, 100 ft. below spur, drains W.; ascend gradual S. slope of sandstone.
- 80.00 On gradual S. slope of sandstone.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for the corner of sections 22, 23, 26, and 27, with brass cap marked

T34S R4E  
S22 | S23  
-----  
S27 | S26  
1937

from which

A pinon, 7 ins. diameter, bears S.22°15'E., 47 links distant, marked T34S R4E S26 BT

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

A yellow pine, 10 ins. diameter, bears S.85°30'W.,  
145 links distant, marked  $\frac{1}{4}$  S23 BT

No other bearing trees available.

Land, broken sandstone ledges and surface rock.

Soil, shallow, loose sand; 4th rate.

Undergrowth, sage, bitter and black brush, mountain rush,  
yellow top, weeds and grass.

Timber, juniper and pinon.

Fair grazing land.

East, on random line, between sections 23 and 26.

40.00 Set temporary  $\frac{1}{4}$  section corner.

80.00 Intersect the corner of sections 23, 24, 25, and 26.

Thence

West, on true line, between sections 23 and 26.

Over rolling, sandy bench land, through scattered timber  
and undergrowth.

9.50 Base of gradual ascent over NE. slope of broken ledges,  
bears N.30°W. and S.30°E.

21.40 Top of E. rim of narrow mesa, 220 ft. above corner,  
bears NW. and SE.; thence across top of mesa.

25.20 Top of W. rim of mesa, bears N. and S.; descend abrupt  
W. slope over sandstone ledges.

37.40 Bottom of canyon, near head, 330 ft. below top of mesa,  
drains S.; ascend steep ledgy E. slope.

40.00 True point for the  $\frac{1}{4}$  section corner, falls on face of  
ledge, where it is impracticable to set a corner.

40.10 On ledgy E. slope, 40 ft. above bottom of canyon.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins.  
in a hole drilled in the solid sandstone, and in a mound  
of stone, to top, for witness corner to the  $\frac{1}{4}$  section  
corner of sections 23 and 26, with brass cap marked

$$\frac{1}{4} \frac{S 23}{S 26} W$$

1937

from which

A juniper, 6 ins. diameter, bears N.60°15'E., 242 links  
distant, marked WC  $\frac{1}{4}$  S23 BT

A yellow pine, 16 ins. diameter, bears S.63°30'W., 101  
links distant, marked WC  $\frac{1}{4}$  S26 BT

47.80 Rocky spur, 150 ft. above the witness corner to the  $\frac{1}{4}$   
section corner, projects S.; descend gradual SW. slope.

54.20 Ravine, 80 ft. below spur, drains S.; ascend gradually  
along S. slope of sandstone.

62.90 Top of E. rim of narrow bench, 100 ft. above ravine,  
bears N. and S.; thence over rolling top of bench.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- 70.00 Top of W. rim of bench, bears N. and S.; descend gradual W. slope over sandstone.
- 77.00 Ravine, 80 ft. below rim of bench, drains S.30°W.; thence descend gradually over broken W. slope.
- 80.00 The corner of sections 22, 23, 26, and 27, 20 ft. below ravine.

Land, broken and rolling.  
 Soil, deep and shallow loose sand; 4th rate.  
 Undergrowth, sage, bitter and black brush, mountain rush, weeds and grass.  
 Timber, juniper and pinon.  
 Fair grazing land.

N.0°01'W., between sections 22 and 23.

Along broken W. slope of sandstone ledges, through scattered timber and undergrowth.

- 7.70 Small spur, slopes W.; trail on top of spur, bears N.20°E. and S.20°W.; descend gradual NW. slope.
- 15.00 Ravine, 100 ft. below corner, drains SW.; ascend gradual S. slope.
- 24.40 Base of abrupt ascent over SW. face of ledges, 130 ft. above ravine, bears NW. and SE.
- 31.40 Top of ledges and ridge, 290 ft. above base, bears N.60°W. and S.60°E.; thence over top of ridge.
- 35.00 Top of abrupt descent over steep, ledgy N. slope of ridge, bears N.60°W. and S.60°E.
- 39.30 Ravine, 130 ft. below ridge, drains S.80°E.; thence along gradual E. slope of sandstone surface rock.
- 40.00 On E. slope of sandstone surface rock.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
 S22|S23  
 1937

from which

A yellow pine, 10 ins. diameter, bears S.31°30'E., 141 links distant, marked  $\frac{1}{4}$  S23 BT

A yellow pine, 20 ins. diameter, bears S.18°W., 140 links distant, marked  $\frac{1}{4}$  S22 BT

- 51.20 Small spur, projects E.; descend along nearly vertical E. face of ledges.
- 62.00 Ravine, 160 ft. below spur, drains S.60°E.; continue along E. slope of ledges.
- 68.10 Base of ledges, bears NW. and SE.; thence over sandy bench.
- 70.20 Stock trail, bears NW. and SE.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

71.70 Low sandy spur, projects SE.; descend gradual NE. slope.

77.00 Ravine, 70 ft. below spur, drains NE.; thence along E. slope of sandstone.

80.00 On steep E. slope of sandstone.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for the corner of sections 14, 15, 22, and 23, with brass cap marked

T34S R4E

S15	S14
-----	-----

S22	S23
-----	-----

1937

from which

A pinon, 8 ins. diameter, bears N.54°15'E., 151 links distant, marked T34S R4E S14 BT

A pinon, 12 ins. diameter, bears S.22°45'W., 82 links distant, marked T34S R4E S22 BT

A pinon, 12 ins. diameter, bears N.75°W., 32 links distant, marked T34S R4E S15 BT

No other bearing tree available.

Land, broken and rolling.

Soil, deep and shallow loose sand; 4th rate.

Undergrowth, sage, bitter, and black brush, mountain rush, silver leaf, weeds and grass.

Timber, juniper and pinon.

Fair grazing land.

East, on random line, between sections 14 and 23.

40.00 Set temporary  $\frac{1}{4}$  section corner.

80.04 Intersect the N. and S. line, 5 links S. of the true point for the corner of sections 13, 14, 23, and 24, which is N.0°01'W. 1.00 chains distant from the witness corner to the corner of said sections.

Thence, from the true point for corner.

S.89°58'W., on true line, between sections 14 and 23.

Over rolling top of the SE. point of New Home Bench, through medium dense timber and undergrowth.

5.40 Top of W. rim of bench, bears N.60°W. and S.60°E.; descend gradually along S. slope.

20.00 Begin more abrupt descent over SW. slope of sandstone surface rock, bears N. and S.; timber becomes scattered, bears N. and S.

40.02 On SW. slope of sandstone, 360 ft. below top of bench.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

$\frac{1}{4}$  S 14  
 S 23  
 1937

No suitable bearing trees available.

- 59.80 Top of E. rim of Calf Creek, 190 ft. below the  $\frac{1}{4}$  section corner, bears N.40°E and S.40°W.; descend abruptly over ledges.
- 61.40 Calf Creek, stream 20 links wide, 4 ins. deep, in bottom of sandstone canyon, 120 ft. below top of E. rim, flows S.40°W.; thence along N. breaks of creek.
- 63.80 Top of S. point of sandstone ledge, 20 ft. high.
- 65.60 Stream, 3 links wide, 3 ins. deep, in bottom of sandstone ravine, flows SE.; thence along S. breaks of ravine.
- 69.00 Top of ascent on S. face of breaks, 100 ft. above stream, bears N. and S.; descend to stream.
- 70.00 Recross stream, flows NE.
- 72.00 Recross stream, flows SE.
- 74.10 Top of S. rim of ravine, 170 ft. above stream, bears N.80°W. and S.80°E.; thence along broken top of rim.
- 78.50 Bottom of sandstone ravine, drains NE.
- 80.04 The corner of sections 14, 15, 22, and 23.

Land, broken sandstone ledges and surface rock.  
 Soil, shallow, loose sand; 4th rate.  
 Undergrowth, sage, bitter and black brush, mountain rush, weeds and grass.  
 Timber, juniper and pinon.  
 Fair grazing land.

N.0°01'W., between sections 14 and 15.

Over broken bench and mesa land, through scattered timber and undergrowth.

- 1.20 Top of S. rim of ravine, bears E. and N. 1.00 chain distant, thence W.; descend abruptly.
- 3.20 Stream, 3 links wide, 2 ins. deep, in bottom of sandstone ravine, 150 ft. below corner, flows E.; ascend abruptly.
- 6.70 Top of N. rim of ravine, 100 ft. high, bears E. and N. 80°W.; thence ascend steep S. slope.
- 16.00 Top of rocky spur, 130 ft. above rim, projects SE.; descend gradually over rolling N. slope.
- 22.40 Top of S. rim of Calf Creek, bears N.60°W. and S.60°E.; descend abruptly over ledges.
- 26.90 Calf Creek, stream 20 links wide, 4 ins. deep, in bottom of canyon, 220 ft. below top of rim, flows S.60°E.; ascend abrupt N. breaks of creek.
- 28.60 Top of N. rim of Calf Creek, 100 ft. above stream, bears N.60°W. and S.60°E.; ascend gradually along rolling W. slope.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

35.50 Bend in top of N. rim of Calf Creek, 100 ft. high, bears NW. and SW.

40.00 On W. slope of sandstone surface rock.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
S15|S14  
1937

from which

A juniper, 6 ins. diameter, bears N.32°45'E., 78 links distant, marked  $\frac{1}{4}$  S14 BT

No other bearing tree available.

58.40 Spur, 130 ft. above the  $\frac{1}{4}$  section corner, projects S.60°W.; descend gradual N. slope.

62.80 Ravine, 70 ft. below spur, drains SW.; ascend gradual S. slope.

75.00 Top of S. edge of sandy bench land, 200 ft. above ravine, bears NE. and SW.; thence over rolling top of bench.

80.00 On gradual SW. slope of sandy bench.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 10, 11, 14, and 15, with brass cap marked

T34S R4E  
S10|S11  
S15|S14  
1937

from which

A juniper limb, 12 ins. diameter, bears N.11°E., 84 links distant, marked T34S R4E S11 BT

A juniper limb, 8 ins. diameter, bears S.31°E., 58 links distant, marked T34S R4E S14 BT

A juniper, 14 ins. diameter, bears S.11°30'W., 115 links distant, marked T34S R4E S15 BT

A juniper, 12 ins. diameter, bears N.42°W., 155 links distant, marked T34S R4E S10 BT

Land, broken, and rolling.

Soil, deep and shallow loose sand; 4th rate.

Undergrowth, sage, bitter and black brush, mountain rush, weeds and grass.

Timber, juniper and pinon.

Fair grazing land.

N.89°58'E., on random line, between sections 11 and 14.

40.00 Set temporary  $\frac{1}{4}$  section corner.

80.12 Intersect the N. and S. line, 5 links N. of the corner of sections 11 and 14, heretofore described.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

Thence

West, on true line, between sections 11 and 14.

Descend abrupt W. slope of broken land, through scattered timber and undergrowth.

13.60 Dry Creek, stream 5 links wide, 2 ins. deep, in deep canyon, 350 ft. below corner, flows S.10°E.; ascend abrupt E. slope.

28.80 Top of E. rim of New Home Bench, 510 ft. above stream, bears NW. and S.; thence over rolling top of bench.

40.06 On rolling top of New Home Bench.

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

$$\frac{1}{4} \begin{array}{l} S 11 \\ S 14 \\ 1937 \end{array}$$

from which

A pinon, 10 ins. diameter, bears N.13°E., 46 links distant, marked  $\frac{1}{4}$  S11 BT

A juniper, 6 ins. diameter, bears S.49°W., 62 links distant, marked  $\frac{1}{4}$  S14 BT

50.50 New road under construction, bears S.31°30'E. to Escalante and N.31°30'W. to Boulder.

61.70 The SW. point of ledge from W. rim of New Home Bench; thence descend abruptly over ledges.

65.20 Base of ledges, 110 ft. below point of ledge, bears N.10°W. and S.10°E.; descend gradual SW. slope.

77.00 Ravine, 60 ft. below base of ledges, drains S.10°W.; thence over rolling land.

80.12 The corner of sections 10, 11, 14, and 15.

Land, broken and rolling.

Soil, shallow and deep loose sand; 4th rate.

Undergrowth, sage, bitter, and black brush, mountain rush, yellow top and weeds.

Timber, juniper and pinon.

Fair grazing land.

N.0°01'W., between sections 10 and 11.

Ascend gradually over rolling bench land, through scattered timber and undergrowth.

5.70 Base of abrupt ascent over SW. slope of ledges, bears NW. and SE.

27.70 Top of SW. rim of New Home Bench, 380 ft. above corner, bears N.60°W. and SE.; thence over rolling top of bench through dense timber.

40.00 On rolling top of New Home Bench.

Set an iron post, 3 ft. long, 1 in. diameter, 16 ins. in

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

Set 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  
S10|S11  
1937

from which

A pinon, 8 ins. diameter, bears N.45°E., 27 links distant, marked 1/4 S11 BT

A juniper, 16 ins. diameter, bears S.34°W., 37 links distant, marked 1/4 S10 BT

60.50 New Road under construction, bears N.19°W. to Boulder, and S.19°E. to Escalante.

75.90 Top of gradual descent over NE. slope, bears NW. and SE.; descend gradual sandy N. slope.

80.00 On sandy N. slope, 40 ft. below rim of bench.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 2, 3, 10, and 11, with brass cap marked

T34S R4E  
S3|S2  
S10|S11  
1937

from which

A pinon, 8 ins. diameter, bears N.60°E., 90 links distant, marked T34S R4E S2 BT

A pinon, 9 ins. diameter, bears S.39°E., 92 links distant, marked T34S R4E S11 BT

A juniper, 14 ins. diameter, bears S.77°W., 69 links distant, marked T34S R4E S10 BT

A pinon, 10 ins. diameter, bears N.43°45'W., 127 links distant, marked T34S R4E S3 BT

Land, rolling and broken.  
Soil, deep and shallow loose sand; 4th rate.  
Undergrowth, sage, bitter and black brush, mountain rush, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.

East, on random line, between sections 2 and 11.

40.00 Set temporary 1/4 section corner.

80.10 Intersect the N. and S. line, 5 links N. of the corner of sections 2 and 11.

Thence

N.89°58'W., on true line, between sections 2 and 11.

Descend steep W. slope of broken land, through scattered timber and undergrowth.

9.50 Bend in dry channel of Boulder Creek, 230 ft. below

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

281370

corner, drains S.10°E. from S.80°W.; thence over bottom lands of creek bed.

14.50 Base of gradual ascent over SE. slope, bears NE. and SW.

22.30 Spur, 150 ft. above dry channel of Boulder Creek, projects SW.; descend steep W. slope.

29.70 Recross dry channel of Boulder Creek, 140 ft. below spur, drains S. about 8.00 chains distant, thence E.; ascend gradual NE. slope.

39.30 Ridge, 190 ft. above creek channel, bears N.20°W. and S.20°E.; descend steep W. slope.

40.05 On W. slope of ridge, 10 ft. below top.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   $\frac{S 2}{S 11}$   
1937

from which

A yellow pine, 20 ins. diameter, bears S.40°E., 61 links distant, marked  $\frac{1}{4}$  S11 BT

No other bearing tree available.

55.80 Dry Creek, stream 6 links wide, 5 ins. deep, in bottom of large draw, 270 ft. below the  $\frac{1}{4}$  section corner, flows S.; ascend steep E. slope.

77.70 Top of E. rim of New Home Bench, 460 ft. above Dry Creek, bears NW. and SE.; thence over rolling top of bench.

80.10 The corner of sections 2, 3, 10, and 11.

Land, broken and rolling.  
Soil, deep and shallow loose sand; 4th rate.  
Undergrowth, sage, bitter and black brush, mountain rush, weeds and grass.  
Timber, juniper and pinon and a few scattered yellow pine.  
Fair grazing land.

N.0°21'E., on true line, between sections 2 and 3, to visible signal at the corner of sections 2, 3, 34, and 35, on the N. boundary of the township.

Descend gradually over broken NE. slope of top of New Home Bench, through scattered timber and undergrowth.

1.80 Top of NE. rim of New Home Bench, bears NW. and SE.; descend abrupt broken NE. slope.

22.80 Dry Creek, stream 5 links wide, 5 ins. deep, in bottom of deep draw, 420 ft. below corner, flows SE.; ascend gradually over broken SW. slope.

40.00 On broken SW. slope, 110 ft. above stream.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

- 1937  
 from which
- A pinon limb, 8 ins. diameter, bears N. 60° E., 44 links distant, marked  $\frac{1}{4}$  S2 BT
- A juniper, 8 ins. diameter, bears S. 87° W., 91 links distant, marked  $\frac{1}{4}$  S3 BT
- Continue ascent over broken SW. slope.
- 59.70 Base of vertical white sandstone ledge, bears E. and W.
- 79.27 Intersect the corner of sections 2, 3, 34, and 35, on the N. boundary of the township, which is also mile post No. 36, of the boundary of the Powell National Forest Reserve. Corner is an iron post, 3 ins. diameter, set, marked and witnessed, as described in the official record, and is 620 ft. above the  $\frac{1}{4}$  section corner.
- Land, rolling and broken.  
 Soil, deep and shallow, loose sand; 4th rate.  
 Undergrowth, sage, black and bitter brush, mountain rush, weeds and grass.  
 Timber, juniper and pinon and a few scattered yellow pine.  
 Fair grazing land.
- 
- From the corner of sections 35 and 34, on the S. boundary of the township, heretofore described.
- N. 0° 02' W., between sections 35 and 34.
- Over rough, broken, rocky land, facing W. into Sand Creek, cut by several short, rocky draws, through scattered scrub timber and undergrowth.
- 26.60 Top of ascent on W. slope, 110 ft. above corner, bears E. and W.; descend steep N. slope, over sloping rim, bearing E. and W.
- 31.70 Short, rocky gulch, 160 ft. below top of ascent, drains W.; thence descend gradually over lower, rocky bench, sloping W.
- 40.00 On N. slope of sandstone, 140 ft. below top of ascent.
- Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked
- $\frac{1}{4}$   
 S33|S34  
 1939  
 from which
- A pinon, 10 ins. diameter, bears S. 82° 30' E., 16 links distant, marked  $\frac{1}{4}$  S34 BT
- A pinon, 6 ins. diameter, bears S. 17° 45' W., 27 links distant, marked  $\frac{1}{4}$  S33 BT
- 42.00 Small gulch, near head, 40 ft. deep, drains W.
- 43.00 Top of S. rim of Willow Patch Creek, 100 ft. high, bears NE. and SW.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- 45.40 Willow Patch Creek, stream 10 links wide, 2 ins. deep, in bottom of boxed gulch, drains SW. to Sand Creek; ascend broken S. slope.
- 48.40 Top of N. rim of creek, 40 ft. high, bears NE. and SW.; ascend along broken SE. slope.
- 64.00 Low rise on SE. slope, bears NW. and SE.; descend gradually along E. slope.
- 70.40 Shallow draw, drains SE.; ascend SE. slope.
- 80.00 On gradual SE. slope, 70 ft. above draw.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a large mound of stone to top, for the corner of sections 27, 28, 33, and 34, with brass cap marked

T34S	R4E
S28	S27
S33	S34
1939	

from which

- A pinon, 10 ins. diameter, bears N.25°E., 53 links distant, marked T34S R4E S27 BT
- A pinon, 5 ins. diameter, bears S.28°45'E., 165 links distant, marked T34S R4E S34 BT
- A juniper, 14 ins. diameter, bears S.71°W., 50 links distant, marked T34S R4E S33 BT
- A juniper, 14 ins. diameter, bears N.22°W., 132 links distant, marked T34S R4E S28 BT

Land, rolling and broken.  
 Soil, deep and shallow, loose sand; 4th rate.  
 Undergrowth, sage, bitter and black brush, yellow top, silver leaf, mountain rush, weeds and grass.  
 Timber, juniper and pinon.  
 Fair grazing land.

East, on random line, between sections 27 and 34.

- 40.00 Set temporary 1/4 section corner.
- 79.96 Intersect the N. and S. line, 2 links S. of the corner of sections 26, 27, 34, and 35.

Thence

S.89°59'W., on true line, between sections 27 and 34.

Ascend gradual SE. slope of broken land, through medium dense timber and scattered undergrowth.

- 26.30 Top of ascent, 170 ft. above corner, bears N.25°E. and S.25°W.; trail along top of ascent; descend gradually along N. slope.
- 38.40 Slope changes from a N. slope to a W. slope.
- 39.98 On W. slope of sandstone outcropping, 40 ft. below top of ascent.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$  S 27

S 34

1939

from which

A pinon, 6 ins. diameter, bears S.49°30'W., 50 links distant, marked  $\frac{1}{4}$  S34 BT

A pinon, 7 ins. diam., bears N.15°30'W., 12 links distant, marked  $\frac{1}{4}$  S27 BT

- 44.70 Narrow branch gully, near head, 90 ft. below the  $\frac{1}{4}$  section corner, drains N.80°W.; thence over N. and NW. slopes.
- 53.60 Top of vertical E. rim of Willow Patch Creek, 150 ft. high, bears N.70°E. and SW.
- 54.50 Willow Patch Creek, 10 links wide, 2 ins. deep, in bottom of gulch, 260 ft. below the  $\frac{1}{4}$  section corner, flows SW.; ascend broken, rocky SE. slope.
- 62.50 Top of W. rim of Willow Patch Creek, bears NE. and SW.; continue ascent along broken, rocky SE. slope.
- 79.96 The corner of sections 27, 28, 33, and 34, 220 ft. above stream.

Land, rolling and broken.

Soil, deep and shallow loose sand; 4th rate.

Undergrowth, sage, bitter and black brush, mountain rush, yellow top, weeds and grass.

Timber, juniper and pinon.

Fair grazing land.

N.0°02'W., between sections 27 and 28.

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

- 32.30 Low rise on E. slope, 110 ft. above corner, bears N.70°W. and SE.; thence along rolling E. slope.

- 40.00 On gradual SE. slope of sandstone.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$

S28|S27

1939

from which

A pinon, 8 ins. diameter, bears S.28°E., 83 links distant, marked  $\frac{1}{4}$  S27 BT

A pinon, 8 ins. diameter, bears N.21°30'W., 74 links distant, marked  $\frac{1}{4}$  S28 BT

- 69.50 Enter outcroppings of white sandstone, bears E. and W.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

CHAINS

80.00 On gradual NE. slope of sandstone surface rock, 100 ft. above the  $\frac{1}{4}$  section corner.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for the corner of sections 21, 22, 27, and 28, with brass cap marked

T34S	R4E
S21	S22
S28	S27

1939

from which

A pinon, 4 ins. diameter, bears N.15°E., 62 links distant, marked T34S R4E S22 BT

A juniper, 8 ins. diameter, bears S.24°15'E., 38 links distant, marked T34S R4E S27 BT

A pinon, 6 ins. diameter, bears S.19°30'W., 41 links distant, marked T34S R4E S28 BT

A pinon, 8 ins. diameter, bears N.68°30'W., 134 links distant, marked T34S R4E S21 BT

Land, rolling sand hills and surface rock.

Soil, shallow loose sand; 4th rate.

Undergrowth, sage, bitter and black brush, mountain rush, yellow top, weeds and grass.

Timber, juniper and pinon.

Fair grazing land.

N.89°59'E., on random line, between sections 22 and 27.

40.00 Set temporary  $\frac{1}{4}$  section corner.

79.96 Intersect the N. and S. line, 2 links N. of the corner of sections 22, 23, 26, and 27.

Thence

West, on true line, between sections 22 and 27.

Descend abrupt W. and SW. slopes of broken land, through scattered timber and undergrowth.

8.00 Stock trail, bears N.20°E. and SW.

15.40 Slope changes from a W. slope to a N. slope.

24.80 Draw, 280 ft. below corner, drains S.; ascend E. slope.

30.30 Top of ascent from draw, 50 ft. above bottom, bears N. and S.; descend steep, rocky W. slope.

32.40 Top vertical E. rim of Willow Patch Creek, 100 ft. high, bears N. and S.

34.00 Willow Patch Creek, stream 3 links wide, 2 ins. deep, in bottom of gulch, 410 ft. below section corner, flows S.; gulch boxes 3.00 chains to the N. of line; ascend.

38.40 Top of W. rim of Willow Patch Creek, 160 ft. above bottom, bears N. and S.; ascend gradually along broken S. and SE. slope.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

39.98 On gradual SE. slope of sandstone, 10 ft. above rim.  
 Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   $\frac{S\ 22}{S\ 27}$   
 1939

from which

A pinon, 12 ins. diameter, bears N.48°15'E., 97 links distant, marked  $\frac{1}{4}$  S22 BT

A juniper, 10 ins. diameter, bears S.7°15'E., 40 links distant, marked  $\frac{1}{4}$  S27 BT

- 45.10 Draw, with small tank of water in the bottom, 80 ft. deep, drains S.20°E.; ascend gradually.
- 53.00 Top of ascent, bears NW. and SE.; descend gradual SW. slope.
- 70.00 Draw, drains SE.; ascend E. slope.
- 79.96 The corner of sections 21, 22, 27, and 28, 140 ft. above draw.

Land, broken and rolling.  
 Soil, shallow and deep, loose sand; 4th rate.  
 Undergrowth, sage, bitter and service berry brush, mountain rush, manzanita, weeds and grass.  
 Timber, juniper and pinon.  
 Fair grazing land.

N.0°02'W., between sections 21 and 22.

Over broken sandstone ledges and surface rock, through scattered timber and undergrowth.

- 2.00 Head of small ravine, at base of ledge, facing S.; ravine drains E., and base of ledge bears E. and N.85°W.; ascend abrupt S. face of ledge.
- 6.50 Top of abrupt ascent, 230 ft. above corner, bears E. and W.; ascend gradually along rolling E. slope of white sandstone.
- 30.50 Gulch, near head, 60 ft. deep, drains SE.
- 37.00 Slope changes from a gradual E. slope, to a gradual W. slope.
- 40.00 On nearly level white sandstone surface rock.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$  S21 | S22  
 1939

from which

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

A yellow pine, 10 ins. diameter, bears N.12°45'E.,  
390 links distant, marked  $\frac{1}{4}$  S22 BT

A yellow pine, 8 ins. diameter, bears S.14°30'W.,  
128 links distant, marked  $\frac{1}{4}$  S21 BT

Thence ascend gradually along W. slope.

45.00 Leave sandstone surface rock, and enter sandy land,  
bears E. and W.

53.00 Shallow depression, near head, drains SW.

55.00 Base of abrupt ascent over steep S. slope of rim,  
bears E. and W.

61.40 Top of steep ascent on S. rim of McGath Point, 220 ft.  
above the  $\frac{1}{4}$  section corner, bears N.70°W. and SE.; thence  
over rolling top of point of mesa, through dense timber.

73.00 Top of N. rim of McGath Point, bears NW. and SE.;;  
descend steep, rocky N. slope.

80.00 On gradual N. slope, in dense timber, 160 ft. below  
top of mesa.

Set an iron post, 3 ft. long, 2 ins. diameter, 18 ins.  
in the ground to solid rock, and in a large mound of  
stone to top, for the corner of sections 15, 16, 21; and  
22, with brass cap marked

T34S	R4E
S16	S15
S21	S22
1939	

from which

A yellow pine, 8 ins. diameter, bears N.31°E., 32  
links distant, marked T34S R4E S15 BT

A juniper, 3 ins. diameter, bears S.37°15'E., 69  
links distant, marked S22

A pinon, 8 ins. diameter, bears S.77°30'W., 60  
links distant, marked T34S R4E S21 BT

A juniper, 7 ins. diameter, bears N.71°30'W., 106  
links distant, marked T34S R4E S16 BT

Land, broken and rolling.

Soil, shallow and deep, loose sand; 4th rate.

Undergrowth, sage, bitter and service berry brush,  
yellow top, manzanita, weeds and grass.

Timber, juniper, pinon, and yellow pine.

Fair grazing land.

East, on random line, between sections 15 and 22.

40.00 Set temporary  $\frac{1}{4}$  section corner.

80.00 Intersect the N. and S. line, 2 links S. of the corner  
of sections 14, 15, 22, and 23.

Thence

S.89°59'W., on true line, between sections 15 and 22.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- Ascend gradually along N. and NE. slopes of rolling and broken bench land, through scattered undergrowth and timber.
- 25.00 Trail, bears NW. and SE.
- 40.00 On gradual E. slope, at the W. side of surface rock, 370 ft. above section corner.  
Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid rock, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked
- $\frac{1}{4}$   $\frac{S\ 15}{S\ 22}$   
1939
- from which
- A pinon, 9 ins. diameter, bears S.49°45'E., 44 links distant, marked  $\frac{1}{4}$  S22 BT
- A juniper, 12 ins. diameter, bears N.8°W., 58 links distant, marked  $\frac{1}{4}$  S15 BT
- 47.90 Top of ascent on sandy N. slope, 80 ft. above corner, bears N. and S.; descend W. slope.
- 52.50 Small sandstone drain, 40 ft. deep, drains N.30°W.; thence along rocky N. slope.
- 54.20 Base of descent on rocky N. slope. 70 ft. below top of ascent, bears N. and S.; ascend steep NE. face of sandstone ledge.
- 75.80 Top of white sandstone slope, bears NW. and SW.; thence ascend gradual NE. slope through dense timber.
- 80.00 The corner of sections 15, 16, 21, and 22, <sup>240 ft.</sup> above base of ascent.

Land, rolling and broken.  
Soil, deep and shallow, loose sand; 4th rate.  
Undergrowth, sage, bitter and service berry brush, mountain rush, manzanita, weeds and grass.  
Timber, juniper, pinon and yellow pine.  
Fair grazing land.

June 12, 1939: stationed at the corner of sections 15, 16, 21, and 22, in approximate latitude 37°51'N., longitude 111°28'W., at Oh 57.0, p.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, - - - - - Oh 31.1m p.m.  
Mean horizontal deflection angle,  
from tree to star, - - - - - 1° 08'  
Azimuth of Polaris, - - - - - 1° 10'W.  
True bearing to tree, - - - - - N.0°02'W.

Thence, from the above corner.  
N.0°02'W., between sections 15 and 16.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

Descend gradual N. slope of broken bench land, through medium dense timber and scattered undergrowth.

1.50 Top of abrupt descent over steep N. slope of barren, white sandstone, bears N.70°W. and S.80°E.

17.00 Base of abrupt descent over barren sandstone, bears NW. and SE.; descend gradually along rolling E. slope, through scattered timber.

40.00 On gradual N. slope of sandy land, 460 ft. below section corner.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
S16 | S15  
1939

from which

A pinon, 12 ins. diameter, bears N.28°30'E., 47 links distant, marked  $\frac{1}{4}$  S15 BT

A juniper, 7 ins. diameter, bears S.68°W., 54 links distant, marked  $\frac{1}{4}$  S16 BT

41.00 Shallow draw, near head, drains E., about 10 chains distant, thence NE.; thence along E. slope of barren rock.

47.00 Rocky ravine, on E. slope, 20 ft. deep, drains S.80°E.; ascend abrupt S. slope of sandstone butte.

54.70 Top of SE. edge of sandstone butte, 240 ft. above the  $\frac{1}{4}$  section corner, bears NW. and S.10°E.; thence along top of E. rim of butte.

56.30 Leave top of butte, bears NW. and S.10°E.; descend abrupt NE. slope of butte.

60.00 Ravine, 60 ft. deep, at base of butte, drains SE.; thence over rolling NE. slope.

80.00 On gradual N. slope of surface rock, 230 ft. below top of butte.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, for the corner of sections 9, 10, 15, and 16, with brass cap marked

T34S R4E  
S9 | S10  
-----  
S16 | S15  
1939

from which

A yellow pine, 12 ins. diameter, bears N.4°30'E., 131 links distant, marked T34S R4E S10 BT

A yellow pine, 10 ins. diameter, bears S.57°30'W., 226 links distant, marked T34S R4E S16 BT

No other bearing trees available.

Land, rolling and broken.

Soil, deep and shallow loose sand; 4th rate.

Undergrowth, sage, bitter, and service berry brush,

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

manzanita, weeds and grass.  
Timber, juniper, pinon, and yellow pine.  
Fair grazing land.

N.89°59'E., on random line, between sections 10 and 15.

40.00 Set temporary  $\frac{1}{4}$  section corner.

80.08 Intersect the N. and S. line, 2 links N. of the corner of sections 10, 11, 14, and 15.

Thence

West, on true line, between sections 10 and 15.

Descend gradually over broken SW. slope of bench land, through scattered timber and undergrowth.

15.80 Sandstone gulch, 70 ft. below corner, drains S.30°W.; ascend gradual SE. slope.

37.50 Top of ascent on SE. slope, 100 ft. above gulch, bears NE. and SW.; descend gradual SW. slope.

40.04 On gradual SW. slope, 15 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked

$$\frac{1}{4} \frac{S10}{S15}$$

1939

from which

A pinon, 12 ins. diameter, bears S.85°E., 22 links distant, marked  $\frac{1}{4}$  S15 BT

A juniper, 8 ins. diameter, bears N.65°W., 12 links distant, marked  $\frac{1}{4}$  S10 BT

45.30 Top of E. rim of Calf Creek, bears N. and S.; descend abruptly over rim.

52.40 Calf Creek, stream 10 links wide, 3 ins. deep, in bottom of canyon, 160 ft. below the  $\frac{1}{4}$  section corner, flows SE.; ascend abrupt W. rim of canyon.

55.20 Top of W. rim of Calf Creek, 70 ft. high, bears NW. and SE.; ascend rocky N. and NE. slopes.

60.00 Trail, bears N. and S.; thence through scattered yellow pine timber, and undergrowth of manzanita.

80.08 The corner of sections 9, 10, 15, and 16, 200 ft. above Calf Creek.

Land, rolling and broken.

Soil, deep and shallow loose sand; 4th rate.

Undergrowth, sage, bitter, and black brush, manzanita, mountain rush, yellow top, weeds and grass.

Timber, juniper, pinon, and yellow pine.

Fair grazing land.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

N.0°02'W., between sections 9 and 10.

Descend gradually along E. slope of broken land, through scattered timber and undergrowth.

- 1.40 Small depression, drains N.85°E.
- 11.00 Small draw, drains E., about 10.00 chains distant to its junction with Calf Creek.
- 20.00 Small ravine, 30 ft. deep, drains SE., about 6.00 chains distant, to its junction with Calf Creek.
- 36.00 Calf Creek, stream 2 links wide, 2 ins. deep, in bottom of narrow boxed ravine, 50 ft. deep, flows S.30°E.; stream heads NW., about 10.00 chains distant, at base of white, ledgy slope; ascend S. and SW. slopes.
- 40.00 On low, sandy rise, bears NE. and SW.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
 S9 | S10  
 1939

from which

A pinon, 12 ins. diameter, bears N.39°30'E., 168 links distant, marked  $\frac{1}{4}$  S10 BT

A juniper, 8 ins. diameter, bears N.39°30'W., 42 links distant, marked  $\frac{1}{4}$  S9 BT

Thence gradually ascend over rolling bench land.

- 45.00 Shallow, rocky draw, drains SW., into head of Calf Creek; ascend gradual SE. slope.
- 62.30 Recross shallow draw, drains SE.; enter white sandstone ledges, bears E. and W.; ascend abrupt S. slope.
- 78.80 Top of ledges, and S. rim of New Home Bench, 490 ft. above the  $\frac{1}{4}$  section corner, bears E. and W.; thence over rolling top of bench, through dense timber.
- 80.00 On sandstone surface rock, mark a cross (X), over which

Set an iron post, 3 ft. long, 2 ins. diameter, in a large mound of stone to top, for the corner of sections 3, 4, 9, and 10, with brass cap marked

T34S R4E  
 S4 | S3  
 ———  
 S9 | S10  
 1939

from which

A pinon, 10 ins. diameter, bears N.54°30'E., 122 links distant, marked T34S R4E S3 BT

A pinon, 6 ins. diameter, bears S.62°45'E., 175 links distant, marked T34S R4E S10 BT

No other bearing trees available.

Land, rolling and broken.

Soil, deep and shallow loose sand; 4th rate.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

Undergrowth, sage, bitter and service berry brush, mountain rush, manzanita, weeds and grass. Timber, juniper, pinon and yellow pine. Fair grazing land.

East, on random line, between sections 3 and 10.

40.00 Set temporary  $\frac{1}{4}$  section corner.

79.92 Intersect the N. and S. line, 2 links S. of the corner of sections 2, 3, 10, and 11.

Thence

S.89°59'W., on true line, between sections 3 and 10.

Ascend gradually over NE. slope of top of New Home Bench, through medium dense timber and undergrowth.

15.90 New road, bears N.53°15'W., to Boulder, Utah, and S.53°15'E., to Escalante, Utah.

22.00 Top of ascent on bench, 80 ft. above corner, bears NW. and SE.; descend gradually.

34.00 Top of W. edge of New Home Bench, bears N.60°W. and S.60°E.; descend abrupt SW. slope over barren sandstone ledges.

38.43 On sandstone surface rock, 100 ft. below top of bench.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for witness corner to the  $\frac{1}{4}$  section corner of sections 3 and 10, with brass cap marked

WC  $\frac{1}{4}$   $\frac{S\ 3}{S\ 10}$   
1939

No suitable bearing trees available.

39.96 True point for the  $\frac{1}{4}$  section corner falls on steep SW. face of ledge, where it is impracticable to set a corner.

45.80 Bottom of cove in rim of bench, 110 ft. below corner, drains SE.; ascend steep SE. face of barren sandstone.

66.20 Top of sandstone slope, and E. rim of bench, 190 ft. above bottom of cove, bears N.20°E. and S.20°W.; thence over broken top of bench.

69.90 Stock trail, bears N.30°W. and S.60°E.

76.00 Top of ascent on bench, 50 ft. above rim, bears NW. and SE.

79.92 The corner of sections 3, 4, 9, and 10.

Land, broken and rolling. Soil, shallow and deep loose sand; 4th rate. Undergrowth, sage, bitter, and service berry brush, mountain rush, manzanita, weeds and grass. Timber, juniper, pinon, and yellow pine. Fair grazing land.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

antenn

N.0°21'E., on random line, between sections 3 and 4.

40.00 Set temporary 1/4 section corner.

79.26 Intersect the corner of sections 3, 4, 33, and 34, on the N. boundary of the township, which is also boundary post No. 35, of the Powell National Forest Reserve. Corner is an iron post, 3 ins. diameter, set, marked and witnessed, as described in the official record.

Thence

S.0°21'W., on true line, between sections 3 and 4.

Over rolling bench land, through scattered timber and undergrowth.

12.30 Timber becomes dense, bears E. and W.

28.30 Top of gradual descent over SW. slope, bears NW. and SE.

39.26 On rolling land, 80 ft. below section corner.

Set an iron post, 3 ft. long, 1 in. diameter, 20 ins. in the ground to solid rock, and in a mound of stone to top, for 1/4 section corner, with brass cap marked

1/4  
S4|S3  
1939

from which

A juniper, 12 ins. diameter, bears N.50°E., 35 links distant, marked 1/4 S3 BT

A pinon, 8 ins. diameter, bears N.85°W., 59 links distant, marked 1/4 S4 BT

43.30 Stock trail, bears NE. and SW.

45.40 Small depression, drains SE.; descend gradual SE. slope.

66.20 Small depression, drains E.

67.30 Recross trail, bears NW. and SE.

77.80 Timber becomes more scattered, bears E. and W.

79.26 The corner of sections 3, 4, 9, and 10, 90 ft. below the 1/4 section corner.

Land, rolling.  
Soil, deep and shallow loose sand, 4th rate.  
Undergrowth, sage, bitter, and service berry brush, mountain rush, yellow top, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.

From the corner of sections 32 and 33, on the S. boundary of the township, heretofore described.

N.0°03'W., between sections 32 and 33.

Ascend abrupt S. slope of broken land, through scattered timber and undergrowth.

0.50 Top of S rim of high SE. point of mesa, 20 ft. above

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

- corner, bears W. and N. 80° E., about 8.00 chains distant, to vertical E. face; thence over broken top of mesa.
- 3.20 Top of N. rim of mesa point, 50 ft. high, bears E. and W.; descend precipitous N. slope of white sandstone ledges.
- 12.20 Top of vertical sandstone wall, 130 ft. high, faces N., and bears N. 70° W. and SE.
- 19.00 Junction of draws, at base of sandstone rim, 620 ft. below point of mesa, drains N. 30° E. from SE. and N. 70° W.; ascend broken, rocky SE. slope.
- 23.50 Leave sandstone surface rock and ledges, and enter sandy bench land, sloping E.
- 29.00 Top of ascent, from draw, 40 ft. above bottom, bears W. and NE.; descend over rolling NE. slope.
- 40.00 In bottom of small, rocky depression, 70 ft. below top of ascent, drains N. 20° E.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
S32 | S33  
1939

from which

A yellow pine, 10 ins. diameter, bears N. 38° E., 110 links distant, marked  $\frac{1}{4}$  S33 BT

A pinon, 8 ins. diameter, bears N. 64° 30' W., 38 links distant, marked  $\frac{1}{4}$  S32 BT

Continue over rolling E. slope of bench, through medium dense timber.

- 47.20 Small draw, drains E.
- 69.10 Small draw, drains E.
- 76.10 Large main draw, at base of descent, 140 ft. below the  $\frac{1}{4}$  section corner, drains SE.
- 80.00 In bottom of small, rocky drain, near head, 15 ft. deep, drains S. 20° E.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for corner of sections 28, 29, 32, and 33, with brass cap marked

T34S R4E  
S29 | S28  
S32 | S33  
1939

from which

A yellow pine, 16 ins. diameter, bears S. 13° 30' E., 80 links distant, marked T34S R4E S33 BT

A pinon, 7 ins. diameter, bears S. 63° 15' W., 68 links distant, marked T34S R4E S32 BT

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

A pinon, 10 ins. diameter, bears N.9°W., 76 links distant, marked T34S R4E S29 BT

No other tree available.

Land, broken and rolling.

Soil, shallow and deep, loose sand; 4th rate.

Undergrowth, sage, bitter, and black brush, mountain rush, yellow top, weeds and grass.

Timber, juniper, pinon, and yellow pine.

Fair grazing land.

East, on random line, between sections 28 and 33.

40.00 Set temporary  $\frac{1}{4}$  section corner.

79.98 Intersect the N. and S. line, 2 links S. of the corner of sections 27, 28, 33, and 34.

Thence

S.89°59'W., on true line, between sections 28 and 33.

Ascend gradual SE. slope of rolling and broken bench land, through scattered timber and undergrowth.

16.00 Top of ascent on rolling bench land, 70 ft. above corner, bears N.10°E. and S.10°W.; descend gradually over broken NW. slope.

24.50 Top of abrupt descent over NW. slope of broken sandstone surface rock and outcroppings, bears NE. and SW.

59.99 Near vertical rim of Sand Creek, 240 ft. below top of ascent on bench.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$  S 28  
S 33  
1939

from which

A point, on the S. slope of surface rock, marked  $\frac{B}{0}$  bears N.9°E., 17 links distant.

A pinon, 6 ins. diameter, bears N.78°W., 114 links distant, marked  $\frac{1}{4}$  S28 BT

42.40 Top of vertical E. rim of Sand Creek, 100 ft. high, bears NE. and S., 35 links distant, thence E.; descend abruptly over E. breaks of Sand Creek.

43.20 Sand Creek, stream 10 links wide, 4 ins. deep, in bottom of narrow, sandstone boxed canyon, 120 ft. below the  $\frac{1}{4}$  section corner, flows S.85°E. from the NE.; ascend abrupt E. slope of the W. breaks of creek.

48.00 Top of W. rim of Sand Creek, 280 ft. above stream, bears NW. and slopes SE.; thence over S. slope of sandy bench.

58.60 Top of ascent, 40 ft. above top of W. breaks of Sand Creek, bears NE. and SW.; descend gradually along N. and NW. slopes.

68.00 Slope changes from a NW. slope to a S. and SW. slopes.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

79.98 The corner of sections 28, 29, 32, and 33, 230 ft. below top of ascent.

Land, broken and rolling.  
Soil, deep and shallow loose sand; 4th rate.  
Undergrowth, sage, black, and service berry brush, yellow top, weeds and grass.  
Timber, juniper, pinon, and yellow pine.  
Fair grazing land.

N. 0° 03' W., between sections 28 and 29.

Ascend gradually over broken S. slope of bench land, through medium dense timber and scattered undergrowth.

31.60 Top of ascent, on bench, 330 ft. above corner, bears N. 70° W. and S. 60° E.; descend gradual N. slope.

34.00 Enter sandstone surface rock and outcroppings, bears W. and NE.

40.00 On gradual NE. slope, 140 ft. below top of ascent.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for section corner, with brass cap marked

↓  
S29|S28  
1939

from which

A pinon, 7 ins. diameter, bears S. 3° E., 28 links distant, marked S28 BT

A juniper, 8 ins. diameter, bears N. 83° 45' W., 71 links distant, marked S29 BT

44.00 Top of nearly vertical sandstone wall, facing NE., 100 ft. high, bears NW. and SE., 5.00 chains distant, thence E.

49.00 Small narrow gulch, 190 ft. below top of sandstone wall, drains S. 80° E., 3.00 chains distant to its junction with Sand Creek; ascend rocky SE. slope.

51.00 Top of lower right rim of Sand Creek, 180 ft. above gulch, bears NE. and SW.; thence along broken E. slope.

64.10 Top of nearly vertical right rim of Sand Creek, 100 ft. high, bears W. and SE.; descend abruptly.

66.40 Sand Creek, stream 10 links wide, 4 ft. deep, in bottom of narrow, boxed canyon, 120 ft. below rim, flows SE.; thence along E. side of stream.

70.70 Recross Sand Creek, flows SW.; stream from large spring, 5.00 chains West, enters creek at a point 2.00 chains to the SW. of this point; ascend abruptly.

75.50 Top of right rim of Sand Creek, 80 ft. high, bears NE. and SW.; ascend gradually.

78.00 Top of ascent, on rocky point, on W. side of creek, projects SE. 3.00 chains distant to rim.

80.00 True point for the corner of sections 20, 21, 28, and 29,

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

falls on N. face of ledge, where it is impossible to set a corner.

80.90 On sandstone surface rock, 80 ft. below rocky point.

Set an iron post, 30 ins. long, 2 ins. diameter, 6 ins. in a hole drilled in the solid sandstone, and in a large mound of stone to top, for witness corner, to the corner of sections 20, 21, 28, and 29, with brass cap marked

T34S	R4E
S20	S21
S29	S28

WC

1939

No bearing trees available.

Land, broken sandstone ledges and surface rock.  
Soil, shallow, and deep loose sand; 4th rate.  
Undergrowth, sage, black and bitter brush, mountain rush, silver leaf, weeds and grass.  
Timber, juniper, pinon, and yellow pine.  
Fair grazing land.

From the true point for the corner of sections 20, 21, 28, and 29.

N.89°59'E., on random line, between sections 21 and 28.

40.00 Set temporary  $\frac{1}{4}$  section corner.

79.98 Intersect the N. and S. line, 2 links S. of the corner of sections 21, 22, 27, and 28.

Thence

S.89°58'W., on true line, between sections 21 and 28.

Ascend gradually over rolling and broken bench land, through scattered timber and undergrowth.

2.50 Top of ascent on bench, 20 ft. above corner, bears NW. and S.

4.60 Top of gradual descent over S. and SW. slopes.

12.00 Swale, 70 ft. below top of ascent, drains S.30°W.

22.00 Slope changes from a SW. slope to a W. slope.

30.00 Top of abrupt descent over W. face of surface rock, bears N. and S.

39.99 On W. slope of surface rock, 190 ft. below section corner.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$	S 21
	S 28

1939

from which

## SUBDIVISION OF T. 34 S. R. 4 E.

Chains	
	A yellow pine, 8 ins. diameter, bears S. 51° 30' W., 56 links distant, marked $\frac{1}{4}$ S20 BT
	A yellow pine, 20 ins. diameter, bears N. 65° 30' W., 126 links distant, marked $\frac{1}{4}$ S21 BT
42.60	Draw, drains SW.; ascend gradual SE. slope.
50.00	Shallow draw, drains S.
60.90	Top of small sandstone knoll; descend abrupt, rocky, and broken SW. slope.
73.20	Top of E. rim of Sand Creek, 130 ft. below top of knoll, bears NW. and SE.; descend abrupt W. slope.
79.00	Sand Creek, stream 10 links wide, 3 ins. deep, in bottom of narrow canyon, 110 ft. below rim, flows S. 1.00 chains distant, thence E.; ascend abruptly.
79.98	The true point for the corner of sections 20, 21, 28, and 29, 60 ft. above stream, which is S. 0° 03' E., 90 links distant from the witness corner to the corner of said sections.
	Land, broken and rolling.
	Soil, deep and shallow loose sand; 4th rate.
	Undergrowth, sage, bitter and black brush, mountain rush, manzanita, weeds and grass.
	Timber, juniper, pinon, and yellow pine.
	Fair grazing land.
	From the true point for the corner of sections 20, 21, 28, and 29.
	N. 0° 03' W., between sections 20 and 21.
	Descend gradually over broken land, through scattered timber and undergrowth.
0.90	The witness corner to the corner of sections 20, 21, 28, and 29.
2.80	Top of right rim of Sand Creek, bears E. and W.; descend abruptly.
3.30	Sand Creek, stream 10 links wide, 3 ins. deep, in bottom of narrow canyon, 60 ft. below true point for corner, flows SE.; ascend abruptly.
5.00	Top of left rim of creek, 60 ft. above stream, bears E. and W.; ascend gradual SW. slope.
10.00	Slope changes from a SW. slope to a W. slope.
26.00	Base of ascent over S. slope of sandstone, bears E. and W.
40.00	On S. slope of sandstone, 300 ft. above Sand Creek.
	Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap marked
	$\frac{1}{4}$
	S20   S21
	1939
	from which

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

A yellow pine, 12 ins. diameter, bears S.74°30'E.,  
87 links distant, marked  $\frac{1}{4}$  S21 BT

A pinon, 8 ins. diameter, bears N.4°45'W., 276  
links distant, marked  $\frac{1}{4}$  S20 BT

44.00 Leave surface rock and enter loose sand; bears NE. and SW.

60.00 Enter sandstone, bears NE. and SW.

68.00 Small, rocky draw, drains W.; ascend gradually along  
steep W. slope.

80.00 On rocky W. slope, 120 ft. above the  $\frac{1}{4}$  section corner.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins.  
in a hole drilled in the solid sandstone, and in a mound  
of stone to top, for the corner of sections 16, 17, 20,  
and 21, with brass cap marked.

T34S	R4E
S17	S16
S20	S21

1939

from which

A pinon, 4 ins. diameter, bears S.62°E., 127 links  
distant, marked T34S R4E S21 BT

A yellow pine, 6 ins. diameter, bears S.46°30'W.,  
124 links distant, marked T34S R4E S20 BT

No other bearing trees available.

Land, broken and rolling.  
Soil, deep and shallow loose sand; 4th rate.  
Undergrowth, sage and service berry and black brush,  
mountain rush, yellow top, manzanita, weeds and grass.  
Timber, juniper, pinon, and yellow pine.  
Fair grazing land.

N.89°58'E., on random line, between sections 16 and 21.

40.00 Set temporary  $\frac{1}{4}$  section corner.

79.98 Intersect the corner of sections 15, 16, 21, and 22.

Thence

S.89°58'W., on true line, between sections 16 and 21.

Ascend gradually over broken N. and NE. slopes of mesa  
land, through medium dense timber and scattered under-  
growth.

9.00 Top of sandstone pinnacle, 8 ft. high, on NE. rim of  
mesa, 100 ft. above corner, bears N.20°W. and SE.;  
thence ascend gradually along broken NE. slope of top  
of mesa.

37.00 Top of ascent on mesa, 80 ft. above rim, bears N. and S.;  
descend gradual W. slope.

39.99 On rolling top of mesa.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in

SUBDIVISION OF T. 134 S., R. 4 E.

Chains

the ground, for 1/4 section corner, with brass cap marked

S 16

S 21

1939

from which

A pinon, 12 ins. diameter, bears S.36°E., 67 links distant, marked 1/4 S21 BT

A juniper, 8 ins. diameter, bears N.26°W., 93 links distant, marked 1/4 S16 BT

45.70 Top of W. rim of mesa, 30 ft. high; bears N.20°W. and S.20°E.; descend gradual W. slope.

52.10 Top of lower rim of mesa, bears NW. and SE.; descend steep, broken W. slope, over nearly barren sandstone.

79.98 The corner of sections 16, 17, 20, and 21, 590 ft. below the 1/4 section corner.

Land, broken top and slopes of mesa. Soil, shallow and deep loose sand; 4th rate. Undergrowth, sage, black, and service berry brush, mountain rush, weeds and grass. Timber, juniper, pinon, and yellow pine. Fair grazing land.

N.0°03'W., between sections 16 and 17.

Ascend gradually along broken general W. slope of sandstone, through scattered timber and undergrowth.

25.00 Top of rise on W. slope, 340 ft. above corner, bears E. and W.; descend gradually along W. slope.

40.00 On SW. slope, of sandstone surface rock, 80 ft. below top of rise; mark a cross (X), over which

Set an iron pest, 3 ft. long, 1 in. diameter, in a large mound of stone to top, for 1/4 section corner, with brass cap marked

1/4 S17 | S16 1939

from which

A yellow pine, 10 ins. diameter, bears N.8°30'E., 277 links distant, marked 1/4 S16 BT

A yellow pine, 10 ins. diameter, bears S.45°W., 311 links distant, marked 1/4 S17 BT

50.00 Narrow, rocky gully, 50 ft. deep, with perpendicular walls; drains W.; waterfall in gulch, 100 ft. high, bears W., 10 links distant.

52.50 Top of ascent on W. slope, 180 ft. above the 1/4 section corner, bears E. and W.; descend gradually along broken W. slope.

70.60 Gully, drains W.

73.30 Gully, drains SW., 3.00 chains distant to junction with last gully.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

80.00 On SW. slope of sandstone, 270 ft. below top of ascent.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for the corner of sections 8, 9, 16, and 17, with brass cap marked

T34S	R4E
S8	S9
S17	S16
1939	

from which

A yellow pine, 18 ins. diameter, bears S.29°15'W., 121 links distant, marked T34S R4E S17 BT.

A yellow pine, 6 ins. diameter, bears N.73°15'W., 446 links distant, marked T34S R4E S8 BT.

No other suitable bearing trees available.

Land, rolling and broken.

Soil, shallow and deep loose sand; 4th rate.

Undergrowth, sage, black and bitter brush, mountain rush, manzanita, weeds and grass.

Timber, juniper, pinon and yellow pine.

Fair grazing land.

N.89°58'E., on random line, between sections 9 and 16.

40.00 Set temporary  $\frac{1}{4}$  section corner.

80.04 Intersect the N. and S. line, 7 links S. of the corner of sections 9, 10, 15, and 16.

Thence

S.89°55'W., on true line, between sections 9 and 16,

Ascend gradual E. slope of sandstone surface rock, through scattered timber and undergrowth.

27.50 Leave surface rock and enter sandy land and medium dense timber, bears N. and S.

40.02 On gradual E. slope, 310 ft. above section corner.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a 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 pinon, 6 ins. diameter, bears N.12°E., 57 links distant, marked  $\frac{1}{4}$  S9 BT

A pinon, 8 ins. diameter, bears S.40°E., 91 links distant, marked  $\frac{1}{4}$  S16 BT

54.00 Enter top of long mesa, 180 ft. above the  $\frac{1}{4}$  section corner, bears N. and S.; thence over top of mesa.

SUBDIVISION OF T. 43S., R. 4 E.

Chains

63.80 Top of W. rim of mesa, bears N.10°E. and S.25°W.; descend abrupt W. slope, over surface rock and ledges.

80.04 The corner of sections 8, 9, 16, and 17, 220 ft. below top of mesa.

Land, broken and rolling.  
Soil, deep and shallow loose sand; 4th rate.  
Undergrowth, sage, black, and bitter brush, mountain rush, manzanita, weeds and grass.  
Timber, juniper, pinon, and yellow pine.  
Fair grazing land.

N.0°03'W., between sections 8 and 9.

Ascend SW. slope of broken land, through scattered timber and undergrowth.

4.50 Top of rise, 40 ft. above corner, bears NE. and SW.; descend NW. slope.

11.60 Draw, 90 ft. below top of rise, drains SW.; ascend steep SW. slope.

14.00 Top of W. edge of flat sandstone point, 2.00 chains in diameter; ascend gradually along W. slope.

17.30 Slope changes from a W. slope to a S. slope.

26.10 Top of S. rim of mesa, 400 ft. above draw, bears E. and W.; thence over rolling top of mesa through dense timber.

40.00 On rolling top of mesa.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for 1/4 section corner, with brass cap marked

1/4  
SB|S9  
1939

from which

A pinon, 10 ins. diameter, bears N.80°45'E., 14 links distant, marked 1/4 S9 BT

A pinon, 12 ins. diameter, bears S.62°15'W., 51 links distant, marked 1/4 S8 BT

42.00 Rim of mesa, bears NE. and SW.; descend gradual NW. slope.

45.40 Small ravine, near head, drains W.

60.00 Death Hollow Trail, bears NE. to Boulder, Utah, and SW. to Escalante, Utah.

60.90 One wire telephone line, bears SW. and N.

68.50 Rim of mesa, bears W. and S.80°E.; thence over top of mesa.

74.70 One wire telephone line, bears S. and NE.

80.00 On gradual SW. slope of top of mesa.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 4, 5, 8, and 9, with brass cap marked

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

T34S	R4E
S5	S4
S8	S9
1939	

from which

- A pinon, 10 ins. diameter, bears N.64°15'E., 116 links distant, marked T34S R4E S4 BT
- A pinon, 18 ins. diameter, bears S.64°30'E., 150 links distant, marked T34S R4E S9 BT
- A pinon, 10 ins. diameter, bears S.62°45'W., 330 links distant, marked T34S R4E S8 BT
- A pinon, 16 ins. diameter, bears N.39°30'W., 120 links distant, marked T34S R4E S5 BT

Land, broken slopes and rolling top of mesa.  
 Soil, shallow and deep loose sand; 4th rate.  
 Undergrowth, sage, service berry, and black brush,  
 mountain rush, silver leaf, yellow top, and weeds.  
 Timber, juniper, pinon, and yellow pine.  
 Fair grazing land.

N.89°55'E., on random line, between sections 4 and 9.

40.00 Set temporary  $\frac{1}{2}$  section corner.

79.96 Intersect the N. and S. line, 5 links S. of the corner of sections 3, 4, 9, and 10.

Thence

S.89°53'W., on true line; between sections 4 and 9.

Descend gradually over broken top of mesa, through medium dense timber and scattered undergrowth.

6.30 Top of W. rim of mesa, 60 ft. below corner, bears NW. and SE. 2.00 chains distant to point; descend abrupt W. slope, through scattered timber.

14.20 Base of descent, in cove, 170 ft. below rim of mesa, drains S., and heads N. about 15.00 chains distant; ascend steep SE. slope over broken sandstone ledges.

26.30 Top of E. rim of mesa, 180 ft. above bottom of cove, bears N.10°W. and SW.; thence over rolling top of mesa.

39.98 On rolling top of mesa.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$	S4
	S9
	1939

from which

- A juniper, 12 ins. diameter, bears S.47°E., 183 links distant, marked  $\frac{1}{4}$  S9 BT
- A pinon, 10 ins. diameter, bears N.26°W., 221 links distant, marked  $\frac{1}{4}$  S4 BT

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

- 50.70 Death Hollow trail, bears NE. to Boulder, Utah, and SW. to Escalante, Utah.
- 54.00 Top of ascent on mesa, bears NW. and SE.; descend gradual SW. slope.
- 75.40 One wire telephone line, bears N.29°15'E. and S.29°15'W., 50 links distant; thence SW.
- 79.96 The corner of sections 4, 5, 8, and 9.
- Land, rolling and broken.  
Soil, deep and shallow loose sand; 4th rate.  
Undergrowth, sage, black and bitter brush, mountain rush, yellow top, weeds and grass.  
Timber, juniper, pinon, and yellow pine.  
Fair grazing land.
- 
- N.0°21'E., on random line, between sections 4 and 5.
- 40.00 Set temporary  $\frac{1}{4}$  section corner.
- 79.44 Intersect the corner of sections 4, 5, 32, and 33, on the N. boundary of the township, which is also boundary post No. 34, on the Powell National Forest. Corner is an iron post, 3 ins. diameter, set, marked and witnessed, as described in the official record.
- Thence
- S.0°21'W., on true line, between sections 4 and 5.
- Ascend gradual NW. slope of broken land, through medium dense timber and scattered undergrowth.
- 3.60 Top of ascent, 20 ft. above corner, bears NE. and SW.; descend gradual SW. slope.
- 9.00 Draw, 20 ft. below top of ascent, drains W., and boxes 1.00 chain E. of line.
- 16.10 Spur, 100 ft. above draw, projects SW.; descend gradually.
- 28.00 Small wash, drains NW.
- 39.44 On rolling mesa land, 110 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked
- $\frac{1}{4}$   
S5 | S4  
1939
- from which
- A pinon, 12 ins. diameter, bears N.86°30'E., 45 links distant, marked  $\frac{1}{4}$  S4 BT
- A pinon, 6 ins. diameter, bears N.32°W., 61 links distant, marked  $\frac{1}{4}$  S5 BT
- 44.30 Wash, 50 links wide, 1 ft. deep, drains W.
- 45.80 Leave timber, bears E. and W.
- 55.00 Enter timber, bears E. and W.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- 71.80 Low rise, bears E. and W.; descend gradual SW. slope.  
 79.44 The corner of sections 4, 5, 8, and 9, 50 ft. below top of rise.

Land, rolling top of mesa.  
 Soil, shallow and deep loose sand; 4th rate.  
 Undergrowth, sage, service berry and black brush,  
 mountain rush, weeds and grass.  
 Timber, juniper and pinon.  
 Fair grazing land.

From the corner of sections 31 and 32, on the S. boundary of the township, heretofore described.

N.0°03'W., between sections 31 and 32.

Ascend gradually along broken S. slope of bench land, through scattered timber and short undergrowth.

- 4.60 Spur, 30 ft. above corner, projects S.30°W. from the N.; thence along top of spur.  
 6.50 Enter sandstone outcropping, bears E. and SW.  
 14.00 Leave top of spur, 50 ft. above corner, projects S. from NE.; descend gradually over broken W. and NW. slopes.  
 28.70 Shallow draw, 50 ft. below spur, drains W.; ascend S. and SW. slopes.  
 37.40 Top of ascent on W. point of mesa to the E. 20 links W. of vertical rim of mesa, 130 ft. above draw, bears E. and W.; rim of mesa bears NE. and SE.; descend gradually along broken W. slope.  
 40.00 On rocky W. slope of surface rock, 40 ft. below top of ascent.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
 S31|S32  
 1939

from which

A yellow pine, 8 ins. diameter, bears N.41°E., 91 links distant, marked  $\frac{1}{4}$  S32 BT

A yellow pine, 8 ins. diameter, bears N.8°30'W., 112 links distant, marked  $\frac{1}{4}$  S31 BT

Continue along broken W. slope, through dense timber.

- 62.00 Low rise, 30 ft. above the  $\frac{1}{4}$  section corner, bears E. and W.; descend gradual NE. slope.  
 67.50 Small, rocky draw, near head, drains NW.; thence along W. slope.  
 74.70 Bottom of main draw, 110 ft. below top of rise, drains SW.; ascend steep, rocky SE. slope.

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Chains

79.00 Top of N. rim of draw, 110 ft. above bottom, bears NE. and SW.; thence over rolling top of bench.

80.00 On rolling top of bench.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 29, 30, 31, and 32, with brass cap marked

T34S	R4E
S30	S29
S31	S32

1939

from which

A pinon, 6 ins. diameter, bears N.68°E., 43 links distant, marked T34S R4E S29 BT

A pinon, 5 ins. diameter, bears S.29°30'E., 25 links distant, marked T34S R4E S32 BT

A pinon, 6 ins. diameter, bears S.14°30'W., 108 links distant, marked T34S R4E S31 BT

A pinon, 8 ins. diameter, bears N.51°30'W., 62 links distant, marked T34S R4E S30 BT

Land, broken sandstone outcroppings. Soil, shallow, loose sand; 4th rate. Undergrowth, sage, bitter and buck brush, mountain rush, manzanita, weeds and grass. Timber, juniper, pinon, and yellow pine. Fair grazing land.

East, on random line, between sections 29 and 32.

40.00 Set temporary 1/4 section corner.

79.90 Intersect the N. and S. line, 2 links N. of the corner of sections 28, 29, 32, and 33.

Thence

N.89°59'W., on true line, between sections 29 and 32.

Ascend gradually along rocky S. slope of sandstone outcroppings, through scattered timber and undergrowth.

0.40 Low rise, bears N. and S.

4.90 Draw, drains SE.; ascend abrupt ledgy NE. slope.

39.95 True point for the 1/4 section corner falls on steep N. face of ledge, where it is impossible to set a corner.

40.18 On steep, rocky N. slope.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for witness corner to the 1/4 section corner of sections 29 and 32, with brass cap marked

1/4	S 29	W 30
1/4	S 32	W 31

1939

from which

**SUBDIVISION OF T. 34 S., R. 4 E.**

**Chains**

A yellow pine, 10 ins. diameter, bears S.86°E., 84 links distant, marked WC  $\frac{1}{4}$  S32 BT

A yellow pine, 8 ins. diameter, bears N.15°W., 38 links distant, marked WC  $\frac{1}{4}$  S29 BT

30.80 Top of ascent on E. rim of high mesa, 840 ft. above the section corner, bears N. and S.20°E.; timber becomes more dense, bears with rim of mesa; thence over broken and rolling top of mesa.

59.90 Old Bowington Trail, bears N. and S.

55.00 Sandstone rim at top of E. breaks of draw, 15 ft. high, bears N.20°E. and S.20°W.; descend gradual NW. slope.

73.80 Wide draw, 80 ft. below rim, drains SW.; ascend E. slope.

79.10 Top of W. rim of draw, 40 ft. above bottom, 25 ft. high, bears NE. and SW.; thence over top of high bench.

79.90 The corner of sections 29, 30, 31, and 32.

Land, broken sandstone outcroppings.

Soil, shallow loose sand; 4th rate.

Undergrowth, sage, bitter, and black brush, mountain rush, manzanita, weeds and grass.

Timber, juniper, pinon, and yellow pine.

Fair grazing land.

West, on random line, between sections 30 and 31.

39.67 Set temporary witness corner to the  $\frac{1}{4}$  section corner.

73.08 Intersect the W. boundary of the township, 2 links S. of the corner of sections 25, 30, 31, and 36, heretofore described.

Thence

S.89°59'E., on true line, between sections 30 and 31.

Descend gradually along steep S. slope of sandstone ledges, through scattered timber and short undergrowth.

6.60 Base of sloping sandstone rim, 40 ft. below corner, bears N.80°E. and S.80°W.; descend gradually.

12.10 Head of ravine, 40 ft. below base of rim, drains S.60°E.; ascend gradual W. slope.

27.10 Rocky spur, 140 ft. above ravine, projects S. about 10.00 chains distant, to high, white point, and bears N.20°E. to top of mesa; descend gradual E. slope.

37.60 Top of ledges, facing E., bears N. and S.

38.08 True point for the  $\frac{1}{4}$  section corner falls on steep E. face of ledges, where it is impossible to set a corner.

38.41 At base of white sandstone ledges, 140 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 witness corner to the  $\frac{1}{4}$  section corner of sections 30 and 31, with brass cap marked

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

- WC  $\frac{1}{4}$   $\frac{S\ 30}{S\ 31}$   
1939
- from which
- A juniper, 10 ins. diameter, bears S.8°E., 25 links distant, marked WC  $\frac{1}{4}$  S31 BT
- A juniper, 18 ins. diameter, bears N.5°W., 83 links distant, marked WC  $\frac{1}{4}$  S30 BT
- 42.60 Draw, 80 ft. below corner, drains S.20°W.; ascend abrupt, ledgy SW. slope.
- 63.50 Top of W. rim of high mesa, 370 ft. above draw, bears NW. and SE.; thence over broken top of mesa.
- 78.08 The corner of sections 29, 30, 31, and 32.
- Land, broken sandstone slopes.  
Soil, shallow loose sand; 4th rate.  
Undergrowth, sage, black and bitter brush, mountain rush, weeds and grass.  
Timber, juniper, pinon, and yellow pine.  
Fair grazing land.
- 
- N.0°03'W., between sections 29 and 30.
- Ascend gradually over broken top of high mesa land, through scattered timber and short undergrowth.
- 11.00 Low rise, 40 ft. above corner, bears NE. and SW.; descend gradually along W. slope.
- 26.70 Top of N. rim of mesa, 30 ft. high, bears N.80°E. and W.; for 2.00 chains distant, thence SW.; descend broken N. slope.
- 33.00 Bottom of wide, shallow draw, 80 ft. below top of mesa, drains SW., and heads E. 5.00 chains distant, at low pass, between two mesas; ascend gradual S. slope.
- 40.00 On S. slope of sandstone, near top of mesa, 60 ft. above draw.
- Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked
- $\frac{1}{4}$   
S30|S29  
1939
- from which
- A pinon, 24 ins. diameter, bears N.19°30'E., 108 links distant, marked  $\frac{1}{4}$  S29 BT
- A pinon, 10 ins. diameter, bears N.63°30'W., 146 links distant, marked  $\frac{1}{4}$  S30 BT
- 41.00 Top of S. rim of mesa, bears E. and W.; thence over rolling top of mesa through medium dense timber.
- 48.20 Old Bowington Trail, bears NW. and SE.

2013/10

Chains

- 52.50 Low, rocky rise, slopes SW.; thence over broken W. slope at the SE. edge of sagebrush opening.
- 65.20 Top of sandstone rim, 20 ft. high, faces SW. and bears NW. and SE.; continue along W. slope.
- 69.00 The N. edge of sagebrush opening, bears West, about 8.00 chains distant.
- 77.60 Small ravine, near head, drains SW. into sagebrush opening.
- 80.00 On gradual SW. slope, in dense timber.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 19, 20, 29, and 30, with brass cap marked

T34S	R4E
S19	S20
S30	S29
1939	

from which

- A juniper, 16 ins. diameter, bears N.52°E., 60 links distant, marked T34S R4E S20 BT
- A pinon, 14 ins. diameter, bears S.72°E., 24 links distant, marked T34S R4E S29 BT
- A pinon, 20 ins. diameter, bears S.20°W., 131 links distant, marked T34S R4E S30 BT
- A pinon, 14 ins. diameter, bears N.62°W., 97 links distant, marked T34S R4E S19 BT

Land, broken and rolling.  
 Soil, shallow and deep loose sand; 4th rate.  
 Undergrowth, sage, bitter and black brush, mountain rush, manzanita, weeds and grass.  
 Timber, juniper, pinon, and yellow pine.  
 Fair grazing land.

S.89°59'E., on random line, between sections 20 and 29.

40.00 Set temporary 1/4 section corner:

79.86 Intersect the N. and S. line, 2 links N. of the true point, for the corner of sections 20, 21, 28, and 29.

Thence, from the true point for the corner of sections 20, 21, 28, and 29, which is S.0°03'E., 90 links distant from the witness corner to the corner of said sections.

N.89°58'W., on true line, between sections 20 and 29.

Ascend abruptly over NE. slope of sandstone outcroppings, through scattered timber and undergrowth.

39.93 On NE. slope of barren sandstone, 670 ft. above point for section corner.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone, for 1/4 section corner, with brass cap marked

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Chains

$\frac{1}{4}$  S 20  
S 29  
1939

from which

A yellow pine, 10 ins. diameter, bears S.19°15'E.,  
59 links distant, marked  $\frac{1}{4}$  S29 BT

A yellow pine, 16 ins. diameter, bears N.74°15'W.,  
241 links distant, marked  $\frac{1}{4}$  S20 BT

- 41.00 Leave sandstone surface rock, bears N. and S.
- 45.80 Top of NE. rim of mesa, 90 ft. above the  $\frac{1}{4}$  section corner, bears NW. and SE.; thence over broken top of mesa, through more dense timber.
- 62.50 Top of ascent on mesa, 120 ft. above rim, bears N.70°W. and S.70°E.; descend gradual SW. and W. slopes.
- 79.86 The corner of sections 19, 20, 29, and 30, 40 ft. below top of ascent.

Land, broken sandstone slopes.  
Soil, shallow loose sand; 4th rate.  
Undergrowth, sage, black and bitter brush, mountain rush, manzanita, weeds and grass.  
Timber, juniper, pinon, and yellow pine.  
Fair grazing land.

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N.89°59'W., on random line, between sections 19 and 30.

- 40.00 Set temporary  $\frac{1}{4}$  section corner.

The line to the W. of this temporary  $\frac{1}{4}$  section corner follows along the N. face of a ledge, over which it is impossible to chain or project a line, I therefore run on traverse line, as follows:

S.85°00'W., 38.16 chains; North 13 links distant to the witness corner of sections 19, 24, 25, and 30, on the W. boundary of the township, which is South 3.30 chains distant from the true point for the corner of said sections, heretofore described.

The course of the line between sections 19 and 30, therefore, is, S.89°55'E., and the distance is 78.02 chains.

Thence

S.89°55'E., on true line, between sections 19 and 30, counting distances from the true point for corner.

Along the inaccessible N. face of high S. wall of gorge to the N.

- 26.00 Sandy spur, 100 ft. above the true point for corner, projects SW.; descend E. slope.
- 32.00 Draw, 50 ft. below spur, drains S.20°W.; ascend steep, rocky W. slope.
- 38.02 On steep, rocky W. slope of sandstone, 60 ft. above draw.

Set an iron post, 30 ins. long, 1 in. diam., 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone, for  $\frac{1}{4}$  section corner, with brass cap marked.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

original

$\frac{1}{4}$  S 19  
 S 30  
 1939

from which

A pinon, 20 ins. diameter, bears S.23°E., 125 links distant, marked  $\frac{1}{4}$  S30 BT

A yellow pine, 25 ins. diameter, bears N.43°W., 312 links distant, marked  $\frac{1}{4}$  S19 BT

- 39.20 Top of W. rim of mesa, 40 ft. above corner, bears NW. and S.; thence over rolling top of mesa.
- 48.00 Top of ascent on mesa, 30 ft. above rim, bears NE. and S.; descend gradual SE. and E. slopes.
- 56.30 Old Bowington trail, bears NW. and SE.
- 70.00 Swale, near head, 40 ft. below top of ascent, drains S.; ascend gradually.
- 78.02 The corner of sections 19, 20, 29, and 30.

Land, rolling top of mesa, and broken sandstone slopes. Soil, deep and shallow loose sand; 4th rate. Undergrowth, sage, black and bitter brush, mountain rush, yellow top, weeds and grass. Timber, juniper, pinon, and yellow pine. Fair grazing land.

N.0°03'W., between sections 19 and 20.

Ascend gradually over broken S. and SW. slopes of top of mesa, through dense timber and scattered short undergrowth.

- 13.70 Top of N. rim of mesa, 60 ft. above corner, bears N.70°W. and SE.; descend abrupt N. and NE. slopes of sandstone, through scattered timber.
- 40.00 On abrupt N. slope of sandstone, 460 ft. below rim of mesa.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
 S19/S20  
 1939

from which

A yellow pine, 10 ins. diameter, bears S.9°E., 124 links distant, marked  $\frac{1}{4}$  S20 BT

A yellow pine, 8 ins. diameter, bears S.13°W., 90 links distant, marked  $\frac{1}{4}$  S19 BT

- 51.00 Large, rocky draw, 250 ft. below the  $\frac{1}{4}$  section corner, drains N.70°E.; ascend along broken E. slope of sandstone.
- 77.50 Top of rise, 190 ft. above draw, bears N.70°W. and S.70°E.; descend abrupt N. slope.
- 80.00 At base of nearly vertical ledge, 30 ft. high, bears

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

NW. and SE., and at S. side of gulch.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for the corner of sections 17, 18, 19, and 20, with brass cap marked

T34S R4E

S18 | S17

S19 | S20

1939

from which

A yellow pine, 8 ins. diameter, bears N.40°E., 60 links distant, marked T34S R4E S17 BT

A yellow pine, 12 ins. diameter, bears S.69°E., 94 links distant, marked T34S R4E S20 BT

A yellow pine, 10 ins. diameter, bears N.82°W., 132 links distant, marked T34S R4E S18 BT

No SW. bearing tree available.

Land, broken sandstone slopes.

Soil, shallow, loose sand; 4th rate.

Undergrowth, sage, black and bitter brush, yellow top, weeds and grass.

Timber, juniper, pinon, and yellow pine.

Fair grazing land.

S.89°58'E., on random line, between sections 17 and 20.

40.00 Set temporary  $\frac{1}{4}$  section corner.

79.86 Intersect the N. and S. line, 5 links N. of the corner of sections 16, 17, 20, and 21.

Thence

N.89°56'W., on true line, between sections 17 and 20.

Descend gradually over broken W. slope of sandstone, through scattered timber and short undergrowth.

25.70 Rocky ravine, 30 ft. deep, 200 ft below corner, drains SW. 2.00 chains distant to junction with large ravine, draining SW. from SE.; ascend gradually.

28.70 Low rise, 30 ft. above ravine, slopes SW. about 4.00 chains distant to end; descend gradual W. slope.

30.00 Top of E. rim of Sand Creek, bears N. and SW.

34.40 Sand Creek, stream 15 links wide, 1 ft. deep, in sandstone gulch, 220 ft. below rise, flows S.20°E.; ascend abrupt E. slope over ledges.

39.32 Near top of sandstone point.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins in a hole drilled in the solid sandstone, and in a mound of stone to top, for witness corner to the  $\frac{1}{4}$  section corner of sections 17 and 20, with brass cap marked

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

S 17

WC  $\frac{1}{4}$  ———

S 20

1939

from which

A yellow pine, 7 ins. diameter, bears N.77°W., 64 links distant, marked WC  $\frac{1}{4}$  S17 BT.

No other bearing tree available.

- 39.40 Top of rocky point on W. rim of Sand Creek, 230 ft. above stream, projects S. 1.00 chain distant; descend abrupt, ledgy W. face of point.
- 39.93 True point for the  $\frac{1}{4}$  section corner falls on W. face of ledge, where it is impossible to set a corner.
- 41.00 Small draw at W. base of rocky slope, 100 ft. below point, drains S.; ascend gradually.
- 48.60 Low, sand spur, projects S.25°E.; thence descend gradually over rolling SW. slope of bench land.
- 56.20 Small, sandy ravine, 50 ft. below spur, drains SE.; ascend E. slope.
- 61.50 Top of ascent on spur, 50 ft. above ravine, slopes S.20°E. from NW.; descend gradually along S. slope, near base of white sandstone to the N.
- 66.00 Small clump of yellow pine timber, bears N. 50 links distant.
- 68.00 Enter sandstone outcroppings, bears N.80°E. and S.
- 77.50 Narrow, rocky gulch, 50 ft. deep, drains SE.; water tank in bottom of gulch, 50 links S. of line.
- 79.86 The corner of sections 17, 18, 19, and 20.

Land, broken and rolling.  
 Soil, shallow and deep, loose sand; 4th rate.  
 Undergrowth, sage, bitter and black brush, mountain rush, yellow top, weeds and grass.  
 Timber, juniper, pinon, and yellow pine.  
 Fair grazing land.

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N.89°55'W., on random line, between sections 18 and 19.

- 40.00 Set temporary  $\frac{1}{4}$  section corner.
- 78.04 Intersect the W. boundary of the township, 2 links N. of the corner of sections 13, 18, 19, and 24, heretofore described.

Thence

S.89°56'E., on true line, between sections 18 and 19.

Ascend gradual W. slope, over broken sandstone surface rock, through scattered timber and short undergrowth.

- 3.00 Trail, bears NW. and S.80°E.
- 6.30 Top of W. rim of mesa, 70 ft. above corner, bears NW. and S.85°E.; ascend gradually along S. slope, on top of mesa.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- 8.00 Old Bowington Trail, bears N. and S., also junction of trail, bearing NE. and S.80°W.
- 15.00 Top of ascent on mesa, 45 ft. above rim, bears NW. and S.; thence descend gradually along rolling W. slope.
- 34.50 Enter N. face of sandstone rim, bears E. and S.80°W.; thence along face of rim.
- 38.04 On steep N. face of sandstone rim, 70 ft. below top of ascent on mesa.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   $\frac{S\ 18}{S\ 19}$   
1939

from which

A yellow pine, 18 ins. diameter, bears S.38°W., 81 links distant, marked  $\frac{1}{4}$  S19 BT

A yellow pine, 18 ins. diameter, bears N.87°W., 83 links distant, marked  $\frac{1}{4}$  S18 BT

- 49.00 Top of W. breaks of Sand Creek, and E. rim of mesa, bears NE. and S.; descend steep E. slope of white sandstone.
- 78.04 The corner of sections 17, 18, 19, and 20, 460 ft. below top of W. breaks of Sand Creek.

Land, broken sandstone ledges and surface rock.  
Soil, shallow, loose sand and rock; 4th rate.  
Undergrowth, sage, bitter and black brush, mountain rush, manzanita, weeds and grass.  
Timber, juniper and pinon.  
Fair grazing land.

N.0°03'W., between sections 17 and 18.

Ascend gradually along E. face of broken W. breaks of Sand Creek, through scattered timber and short undergrowth.

- 0.40 Bottom of narrow sandstone gulch, 50 ft. deep, drains S.70°E.; water tanks and yellow pine timber found along bottom of gulch; ascend abrupt S. slope.
- 7.00 Slope changes from an abrupt S. slope to a gradual E. slope.
- 26.00 Top of ascent, 270 ft. above corner, bears E. and W.; descend gradually along broken E. slope.
- 40.00 On broken E. slope of sandstone, 70 ft. below top of ascent.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   $\frac{S18}{S17}$   
1939

from which

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

A yellow pine, 5 ins. diameter, bears N.55°30'E., 300 links distant, marked  $\frac{1}{4}$  S17 BT

A yellow pine, 5 ins. diameter, bears N.15°15'W., 108 links distant, marked  $\frac{1}{4}$  S18 BT

50.50 Small draw, drains SE.

54.00 Small draw, 110 ft. below the  $\frac{1}{4}$  section corner, drains SE.; ascend gradually along broken E. slope.

80.00 On steep E. slope of sandstone, 240 ft. above draw.

Set an iron post, 30 ins. long, 2 ins. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for the corner of sections 7, 8, 17, and 18, with brass cap marked

T34S R4E	
S7	S8
S18	S17
1939	

from which

A point on the face of sandstone, marked B 0, bears S.42°15'W., 22 links distant.

A point on the face of sandstone, marked B 0, bears N.70°W., 24 links distant.

No suitable bearing trees available.

Land, broken west breaks of Sand Creek.  
Soil, shallow, loose sand; 4th rate.  
Undergrowth, sagebrush, weeds and grass.  
Timber, juniper and pinon, and yellow pine.  
Fair grazing land.

S.89°56'E., on random line, between sections 8 and 17.

40.00 Set temporary  $\frac{1}{4}$  section corner.

79.86 Intersect the N. and S. line, 2 links S. of the corner of sections 8, 9, 16, and 17.

Thence .

N.89°57'W., on true line, between sections 8 and 17.

Descend gradually over white sandstone surface rock, through scattered timber and short undergrowth.

9.70 From this point a small seep of good water, in bottom of ravine, bears S.24°W. about 12.50 chains distant; thence descend abrupt W. slope.

19.00 Sandstone draw, 200 ft. below corner, drains SE. 3.00 chains distant to junction with small gulch from the SE., draining S. from this point.

20.00 Leave sandstone surface rock and enter sandy land, bears N. and S.

39.93 On sandy SW. slope.

Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap mkd.

SUBDIVISION OF T. 54 S., R. 4 E.

Chains	
	$\frac{1}{4} \frac{S 8}{S 17}$ <p>1939</p> <p>Rolling mesa from which</p> <p>A pinon, 12 ins. diameter, bears S. 66° 45' W., 138 links distant, marked <math>\frac{1}{4}</math> S17 BT</p> <p>A juniper, 18 ins. diameter, bears N. 80° 15' W., 132 links distant, marked <math>\frac{1}{4}</math> S8 BT</p>
52.20	Top of ascent on S. slope of hill, 50 ft. above the $\frac{1}{4}$ section corner, bears S. and N. 2.00 chains distant to top of hill; descend ledgy SW. slope.
55.20	Top of E. rim of Sand Creek, bears N. 30° W. and SE.; descend abruptly.
56.40	Sand Creek, stream 15 links wide, 1 in. deep, in bottom of narrow sandstone canyon, 130 ft. below top of ascent, flows SE.; junction of small ravine from the W. bears S. 1.00 chain distant; ascend abruptly E. slope.
59.40	Top of W. rim of Sand Creek, 70 ft. above bottom, bears N. 30° W. and SE.; thence along rolling S. and SE. slopes of sandy bench land.
67.20	Small shallow ravine, drains S. 2.00 chains distant, thence E.; stock trail in bottom of ravine; begin steep ascent over E. slope of sandstone.
79.86	The corner of sections 7, 8, 17, and 18, 240 ft. above top of W. rim of Sand Creek.
	<p>Land, broken and rolling.</p> <p>Soil, deep, and shallow loose sand; 4th rate.</p> <p>Undergrowth, sage and black brush, manzanita, weeds and grass.</p> <p>Timber, juniper, pinon and yellow pine.</p> <p>Fair grazing land.</p>
	N. 89° 56' W., on random line, between sections 7 and 18.
40.00	Set temporary $\frac{1}{4}$ section corner.
77.95	Intersect the W. boundary of the township, 2 links S. of the corner of sections 7, 12, 13, and 18, heretofore described.
	Thence
	S. 89° 55' E., on true line, between sections 7 and 18.
	Ascend broken NW. slope of white sandstone rim, through scattered timber and short undergrowth.
4.40	Top of NW. rim of mesa, 40 ft. above corner, bears NE. and SW.; thence over rolling top of mesa.
34.30	Top of sandstone rim, bears NW. and SE.; thence along broken N. slope.
37.95	On broken N. slope of sandstone.
	Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for $\frac{1}{4}$ section corner, with brass cap mkd.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

1/4 S 7  
S 18  
1939

from which

A yellow pine, 10 ins. diameter, bears N.84°15'E., 172 links distant, marked 1/4 S7 BT

A yellow pine, 8 ins. diameter, bears S.19°15'E., 66 links distant, marked 1/4 S18 BT

52.80 Trail, bears NE. to Boulder, Utah, and SW. to Escalante, Utah.

53.80 One wire telephone line, bears NE. to Boulder and SW. to Escalante.

66.50 Top of E. rim of mesa, bears N.4.00 chains distant, thence westerly and S.2.00 chains distant, thence SW.; descend steep E. slope of sandstone.

77.95 The corner of sections 7, 8, 17, and 18, 100 ft. below top of E. rim of mesa.

Land, broken and rolling sandstone slopes, and top of mesa.

Soil, shallow and deep loose sand; 4th rate.

Undergrowth, sagebrush, yellow top, manzanita, weeds and grass.

Timber, juniper, pinon and yellow pine.

Fair grazing land.

N.0°03'W., between sections 7 and 8.

Over broken E. slope of white sandstone, through scattered timber and undergrowth.

8.00 Begin abrupt descent over NE. slope, bears NW. and SE.

9.70 Sandstone draw, drains E.; continue descent.

14.50 Trail, bears E. to Boulder, Utah, and W. to Escalante, Utah.

17.30 Draw, drains SE..

24.30 One wire telephone line, bears NE. to Boulder, and SW. to Escalante.

30.70 Draw, near head, 90 ft. below section corner, drains SE.; ascend gradual S. slope.

40.00 On gradual S. slope, 180 ft. above draw:

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for 1/4 section corner, with brass cap marked

1/4 S7|S8  
1939

from which

A pinon, 6 ins. diameter, bears N.15°E., 160 links distant, marked 1/4 S8 BT

A pinon, 8 ins. diameter, bears N.26°45'W., 55 links distant, marked 1/4 S7 BT

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

- 41.00 Enter sandy soil, bears E. and W.
- 44.50 Leave sandy soil and enter surface rock, bears E. and W.
- 46.70 Top of abrupt descent from N. rim of mesa, bears E. and W.
- 52.70 Descent becomes gradual, bears E. and W.
- 55.70 Dry channel of Sand Creek, 320 ft. below rim, drains SE. about 6.00 chains distant, to its junction with Salt Gulch; ascend steep SW. slope.
- 64.40 Top of ascent, 100 ft. above dry channel of Sand Creek, bears NW. and SE.; descend broken E. slope.
- 70.10 Top of SW. rim of Salt Gulch, bears NW. and SE.
- 74.00 Stream, 7 links wide, 3 ins. deep, in bottom of Salt Gulch, 120 ft. below top of ascent; flows SE. through narrow gulch from N.10°W.; thence along E. side of stream.
- 77.00 Recross stream, drains S.10°W.
- 78.45 Recross stream, drains S.30°E.
- 80.00 On sandy bottom lands of Salt Gulch, 50 links E. of stream.

Set an iron post, 3 ft. long, 2 ins. diameter, 27 ins. in the ground, for the corner of sections 5, 6, 7, and 8, with brass cap marked.

T34S R4E

S6	S5
S7	S8

1939

from which

- A yellow pine, 12 ins. diameter, bears N.87°E., 150 links distant, marked T34S R4E S5 BT.
- A yellow pine, 14 ins. diameter, bears S.68°30'E., 147 links distant, marked T34S R4E S8 BT.
- A yellow pine, 10 ins. diameter, bears S.65°15'W., 218 links distant, marked T34S R4E S7 BT.
- A yellow pine, 12 ins. diameter, bears N.58°15'W., 306 links distant, marked T34S R4E S6 BT.

Land, broken sandstone slopes and breaks.  
 Soil, shallow and deep loose sand; 4th rate.  
 Undergrowth, sage and black brush, mountain rush, yellow top, weeds and grass.  
 Timber, juniper, pinon, and yellow pine.  
 Fair grazing land.

S.89°57'E., on random line, between sections 5 and 8.

- 40.00 Set temporary  $\frac{1}{2}$  section corner.
- 79.84 Intersect the N. and S. line, 7 links N. of the corner of sections 4, 5, 8, and 9.

Thence

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

N.89°54'W., on true line, between sections 5 and 8.

Descend gradually over rolling top of bench land, through medium dense timber and scattered undergrowth.

18.00 Top of W. rim of bench, 70 ft. below corner, and 50 ft. high, bears N. and S.; descend abruptly.

29.20 Draw, 120 ft. below rim of bench, drains S.; thence along gradual S. slope of sandstone.

39.92 On gradual S. slope of sandstone, 40 ft. above draw.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for 1/4 section corner, with brass cap marked,

1/4 S 5  
S 8

1939

from which

A juniper, 6 ins. diameter, bears S.59°30'W., 160 links distant, marked 1/4 S8 BT

A yellow pine, 14 ins. diameter, bears N.43°W., 65 links distant, marked S5 BT

Thence ascend rocky SE. slope.

67.50 Top of E. rim of point of mesa, 200 ft. above the 1/4 section corner, bears N. and S.; thence over point of mesa.

69.40 Top of W. rim of point of mesa, bears S.10°E. and N.; descend abrupt W. face of sandstone ledges.

78.00 Base of ledges, bears N. and S.; thence over bottom lands of Salt Gulch.

79.84 The corner of sections 5, 6, 7, and 8, 360 ft. below point of mesa.

Land, broken sandstone slopes.

Soil, shallow, loose sand; 4th rate.

Undergrowth, sagebrush, mountain rush, weeds and grass.

Timber, juniper, pinon, and yellow pine.

Fair grazing land.

N.89°55'W., on random line, between sections 6 and 7.

40.00 Set temporary 1/4 section corner.

77.89 Intersect the W. boundary of the township, 2 links N. of the corner of sections 1, 6, 7, and 12, heretofore described.

Thence

S.89°56'E., on true line, between sections 6 and 7.

Over broken mesa land, through scattered timber and undergrowth.

15.30 Small depression, drains N.; trail in bottom of depression, bears N. and S.

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

- 19.50 Sandstone rim, 50 ft. high, faces NW. and bears NE. and S.; thence over rolling top of mesa.
- 25.90 Top of E. rim of mesa, bears NW. and SE.; descend along steep N. slope.
- 32.40 Slope changes from a steep N. slope to a steep E. slope.
- 36.90 Base of descent from rim of mesa, bears N. and S. thence over rolling land.
- 37.89 On sandy SE. slope, 200 ft. below rim of mesa.  
Set an iron post, 3 ft. long, 1 in. diameter, 27 ins. in the ground, for  $\frac{1}{4}$  section corner, with brass cap marked
- $\frac{1}{4}$   $\frac{S\ 6}{S\ 7}$   
1939
- from which
- A pinon, 12 ins. diameter, bears S.62°E., 24 links distant, marked  $\frac{1}{4}$  S7 BT
- A yellow pine, 26 ins. diameter, bears N.64°W., 188 links distant, marked  $\frac{1}{4}$  S6 BT
- Also at the base of the post, deposit the pieces of a broken crock jug.
- 45.30 Top of W. rim of Sand Creek, bears NW. and SW.; descend abrupt ledgy E. slope.
- 49.10 Sand Creek, stream 10 links wide, 4 ins. deep, in bottom of narrow, rocky canyon, 100 ft. below rim, flows S. from the NW.; ascend steep, rocky W. slope.
- 60.40 Top of E. rim of Sand Creek, 300 ft. above stream, bears N.10°W. and SE.; thence along S. slope.
- 66.10 Top of S. point of narrow bench from the NW., slopes SE. to sandstone spur; descend steep, ledgy E. slope.
- 77.60 Stream, 5 links wide, 4 ins. deep, in bottom of Salt Gulch, 330 ft. below point of bench, flows S.
- 77.89 The corner of sections 5, 6, 7, and 8.  
Land, broken sandstone slopes.  
Soil, shallow, loose sand; 4th rate.  
Undergrowth, sagebrush, mountain rush, weeds and grass.  
Timber, juniper, pinon and yellow pine.  
Fair grazing land.
- 
- N.0°21'E., on true line, between sections 5 and 6.  
Along bottom lands of Salt Gulch, through scattered timber and undergrowth.
- 6.10 Leave bottom lands of Salt Gulch and ascend gradual SW. slope.
- 10.60 Draw, drains SW. into Salt Gulch; ascend gradual S. slope.
- 12.70 Base of abrupt ascent over S. slope of sandstone, bears E. and W.

SUBDIVISION OF T. 34 S., R. 4 E.

Chains

- 24.30 Top of S. rim of bench, 390 ft. above section corner, bears E. and W.; thence ascend gradual S. slope, through dense timber.
- 32.40 Top of low rise on bench, bears E. and W.; descend gradual NW. slope.
- 36.40 Top of N. rim of bench, 60 ft. below rise, bears NE. and SW.; descend abrupt NW. slope over sandstone.
- 40.00 On abrupt NW. slope of sandstone, 90 ft. below rim of bench.

Set an iron post, 30 ins. long, 1 in. diameter, 12 ins. in a hole drilled in the solid sandstone, and in a mound of stone to top, for  $\frac{1}{4}$  section corner, with brass cap marked

$\frac{1}{4}$   
S6|S5  
1939

from which

A pinon, 6 ins. diameter, bears N.44°E., 52 links distant, marked  $\frac{1}{4}$  S5 BT

A yellow pine, 10 ins. diameter, bears N.87°W., 32 links distant, marked  $\frac{1}{4}$  S6 BT

Thence descend over broken W. slope.

- 55.30 Bottom of Broad Hollow, 120 ft. below the  $\frac{1}{4}$  section corner, drains SW.; ascend SE. slope.
- 64.50 Top of S. rim of bench, 160 ft. above hollow, bears NE. and SW.; ascend SE. slope.
- 65.90 Timber becomes more dense and slope changes from a gradual SE. slope to a gradual S. slope.
- 74.20 Sandstone rim, bears NE. and SW.; thence along W. slope.
- 76.00 Small spur, slopes SW.
- 79.33 Intersect the S. boundary of section 31, T. 33 S., R. 4 E., West 17 links distant from the corner of sections 31 and 32, which is also mile post No. 33, of the Powell National Forest Boundary, heretofore described.

At point of intersection on W. slope, 160 ft. above S. rim of bench,

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 5 and 6, T. 34 S., R. 4 E., with brass cap marked

T33S R4E  
S31  
-----  
S6|S5  
T34S R4E  
C|C  
1939

from which

A juniper, 12 ins. diameter, bears S.55°30'E., 76 links distant, marked T34S R4E S5 CC BT

## SUBDIVISION OF T. 34 S., R. 4 E.

## Chains

A juniper, 5 ins. diameter, bears S. 39° W., 28 links distant, marked T34S R4E S6 CC BT.

Land, broken sandstone slopes and ledges.

Soil, deep and loose sand; 4th rate.

Undergrowth, sagebrush, silver leaf, mountain rush, weeds and grass.

Timber, juniper, pinon and yellow pine.

Fair grazing land.

## GENERAL DESCRIPTION

The land with the boundaries of T. 34 S., R. 4 E., Salt Lake Meridian, Utah, consists of a broken area of sandstone formation, lying between the south base of the Boulder Mountain and the Escalante River. It is cut by numerous sandstone gorges and canyons, with high, vertical, inaccessible walls, all of which drain in a southerly direction to the Escalante River. The elevation of the north portion of the township is about 8000 feet above sea level, while that of the south portion, is about 6000 feet above sea level.

The township has an abundant supply of water, the largest of which is Boulder Creek. This creek enters the township on the north boundary of section 2, and flows in a southeasterly direction, leaving it on the east boundary of section 24. At the time of the survey, the water from this creek was diverted from its channel, and was being used for irrigation purposes on the ranches at Boulder, Utah. The dry channel of Dry Creek enters the township on the north boundary of section 3, and flows in a southeasterly direction, leaving the township on the east boundary of section 25. Calf Creek, a stream of good water, about 15 links wide, and 4 inches deep, heads in the NE $\frac{1}{4}$  section 9, and flows in a southeasterly direction through a narrow boxed canyon, leaving the township on the south boundary of section 36. Willow Patch Creek, a stream of good water, 10 links wide, 2 inches deep, heads in the SW $\frac{1}{4}$  SE $\frac{1}{4}$  section 22, and flows in a southwesterly direction, to its junction with Sand Creek, in the SE $\frac{1}{4}$  section 33. Sand Creek, a stream of good water, 12 links wide, 4 inches deep, enters the township on the W. boundary of section 6, and flows in a southeasterly direction through a deep, narrow sandstone gorge, with vertical walls, leaving the township on the east portion of the south boundary of section 33. During the summer months, the portion of this creek in sections 6 and 7 dries up. A small stream, 5 links wide, 4 inches deep, flows in a southerly direction through the NE $\frac{1}{4}$  of section 6, to its junction with Sand Creek. A stream of good water, 20 links wide, 10 inches deep, flows in a southeasterly direction through Death Hollow, in the southwest portion of section 36. Water tanks were found in the bottoms of the deep, narrow sandstone gorges, and small seeps or springs were found in the NE $\frac{1}{4}$  NE $\frac{1}{4}$  section 17, SE $\frac{1}{4}$  SE $\frac{1}{4}$  section 20, and the NE $\frac{1}{4}$  NE $\frac{1}{4}$  section 29.

At the time of the survey, an improved road was being constructed, which entered the township from Boulder, Utah, on the north boundary of section 3, and bears in a southeasterly direction to Escalante, Utah, leaving the township on the south boundary of section 36. The construction of this road was completed except that portion of it in section 36, and the SE $\frac{1}{4}$  of section 25.

Nearly all portions of the township can be reached by saddle horse over unimproved trails or dim wagon roads.

A one-wire telephone line, from Escalante, enters the township on the south portion of the west boundary of section 18, and bears in a northeasterly direction to

## GENERAL DESCRIPTION.

Boulder, leaving the township on the north boundary of section 4.

No settlers were living on the township at the time of the survey, but Clyde King, of Boulder, has the following improvements located in the NW $\frac{1}{4}$  NE $\frac{1}{4}$ , NE $\frac{1}{4}$  NW $\frac{1}{4}$  section 2. A five room frame house, size 27 ft. by 30 ft., about 30 acres of cultivated land, about 1 mile of fencing, and a corral. From the  $\frac{1}{4}$  section corner of sections 2 and 35, the SW. corner of the house bears S.57°23'E. 3.26 chains distant. At the time of the survey the house was not occupied.

The township, in general, is suitable only for a grazing range for stock during the winter and early spring months, but, if water was available, crops could be raised on the tops of the rolling sandy benches.

Throughout the township the soil consists of a loose, red sand, found only on the rolling tops of the benches, mesas, and bottoms of wide draws, and may be classified as fourth rate. The greater portion of the township consists of sandstone ledges and exposed surface rock.

A short undergrowth of sage, bitter, service berry and black brush, mountain rush, manzanita, yellow top, weeds, and grass is found throughout the township.

The timber consists of a scattered to a medium dense growth of scrub juniper, pinon, and yellow pine, found mostly on the tops of the benches and mesas, which has no commercial value except for fencing and firewood.

No indications of oil, oil shale, mineral, or coal, were found.

In those places where the points for the quarter section and section corners fell upon the exposed sandstone, the survey posts were cut off so as to be 30 inches in length, and then set in holes drilled in the solid sandstone.

The mean magnetic declination was not taken due to a defective needle.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE

FIELD ASSISTANTS

NAMES	CAPACITY
Molen Roper	Principal Assistant
Wayne Day	Principal Assistant
Grant H. Anderson	Chairman
Loyal Cortsen	Chairman
Russell Hales	Chairman and Cornerman
James E. Ollerton	Axman
Thomas Dugan	Axman
John Van Haren	Axman
Stanley Milner	Axman
Douglas Mc Arthur	Axman
Roy Triptow	Cornerman

CERTIFICATE OF SURVEYOR

I, Andrew Nelson, Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 30th day of November, 1935, received from the district cadastral engineer for Utah, with assignment and supplemental assignment instructions dated May 10, 1939 instructions dated November 20, 1937, I have surveyed and resurveyed the boundaries and subdivision, completing the survey of T. 34 S., R. 4 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; 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. April 16, 1940.

Andrew Nelson Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS, Denver, Colorado FEB 22 1944 19

The foregoing field notes of the survey and resurvey of the boundaries and subdivision of, T. 34 S., R. 4 E., Salt Lake Meridian, Utah,

executed by Andrew Nelson, Surveyor, under special instructions dated November 30, 1935, and assignment, and supplemental instructions dated November 20, 1937 and May 10, 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.

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.

Supervisor of Surveys.

4-575  
(April 1955)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT  
BOOK "B"

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF PORTIONS OF THE BOUNDARIES, AND SURVEY OF THE  
SUBDIVISION OF SECTIONS 4 AND 8, T. 35 S., R. 1 E.

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Elliot Bird, Cadastral Engineer

Andrew Nelson, Cadastral Engineer

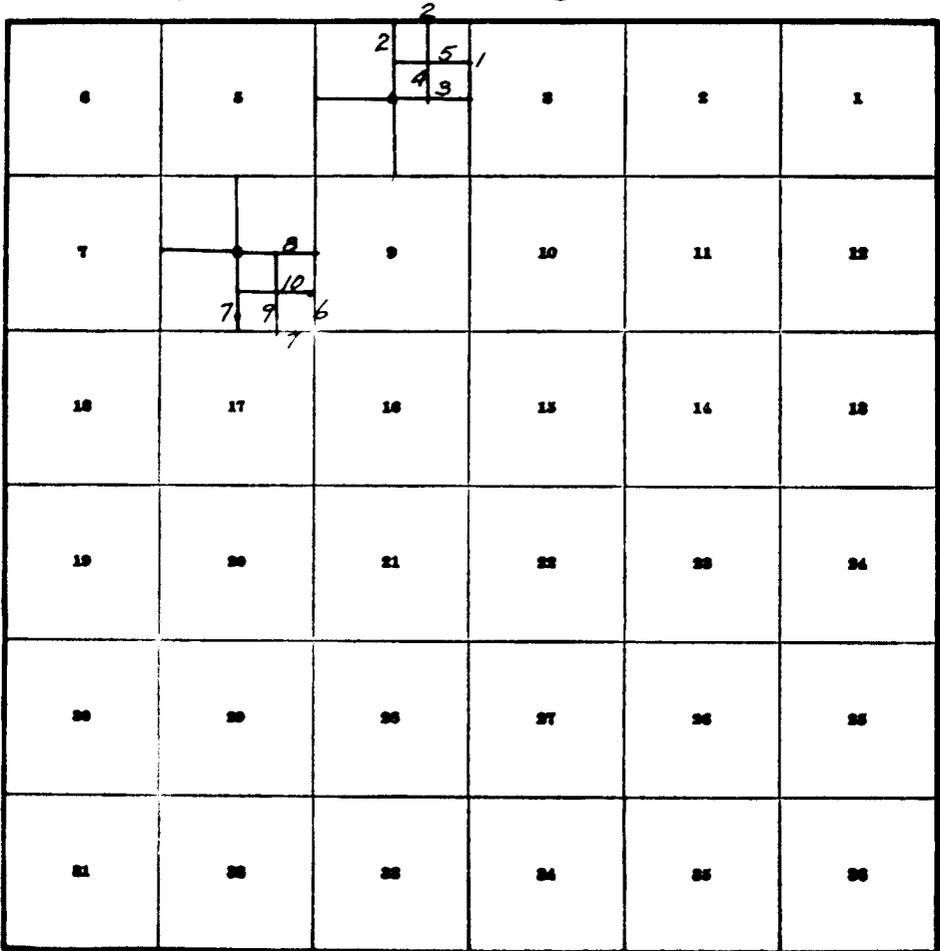
Under special instructions dated September 21, 1939, 19, which provided  
for the surveys included under Group No. 310, bearing the approval of the  
Commissioner of the General Land Office under date of November 3, 1939  
supplemental  
and assignment instructions dated September 5, 1942.

Survey commenced September 26, 1945.

Survey completed October 11, 1945.

# INDEX DIAGRAM.

Township 35 South, Range 1 East



1609

## Chains

The subdivision of sections 4 and 8, T. 35 S., R. 1 E., was made to identify coal leases, and was commenced September 26, 1945. The survey was executed by Elliot Bird and Andrew Nelson, Cadastral Engineers, using Buff and Buff solar transit No. 23831. 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 reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle. The instrument was approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in supplemental assignment instructions dated September 5, 1942.

The bearings of the lines were determined by deflection angles from true meridians established by 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 the work to make it conform to the requirements of a mineral survey.

The measurements were made with a Lallie 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 and found correct, comparison being made with a Lufkin standard steel tape 1 chain in length. The measurements were made on the slope, the vertical angle at each interval determined with the transit, and the slope measurements properly reduced to true horizontal distances which appear in this record.

## DEPENDENT RESURVEY PORTIONS OF BDYS. SEC. 4, T. 35 S., R. 1 E.

Reestablishment of surveys executed by Andrew Nelson, Surveyor, in 1937.

The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of T. 35 S., R. 1 E., is an iron post, 2 ins. in diam., firmly set, properly marked and witnessed as described in the official record of the completion survey of T. 35 S., R. 1 E., Group 260, Utah.

Thence, from the above cor.

S. 0°07' W., bet. secs. 3 and 4.

The course, distance, and topography of this line, were found to agree with those given in the official record.

17.54 Point for the N. 1/16 sec. cor. secs. 3 and 4.

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

N 1/16

S4 | S3

1945

From which

A pinon, 16 ins. in diam., bears N. 12° E., 13 lks. dist., marked N 1/16 S3 BT.

A pinon, 8 ins. in diam., bears S. 26°30' W., 19 lks. dist., marked N 1/16 S4 BT.

DEPENDENT RESURVEY PORTIONS OF EDYS. SEC. 4, T.35S., R.1E.

Chains

37.54 The  $\frac{1}{4}$  sec. cor. secs. 3 and 4, which is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

From the cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the township.

West, bet. secs. 4 and 33.

The course and topography on this line, were found to agree with those given in the official record.

20.03 Point for the E.  $\frac{1}{16}$  sec. cor. secs. 4 and 33.

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

E  $\frac{1}{16}$   $\frac{S33}{S4}$

1945

From which

A pinon, 18 ins. in diam., bears N.  $49^\circ$  W., 21 lks. dist., marked E  $\frac{1}{16}$  S33 BT.

A pinon, 10 ins. in diam., bears S.  $81^\circ 45'$  E., 50 lks. dist., marked E  $\frac{1}{16}$  S4 BT.

40.06 The  $\frac{1}{4}$  sec. cor. secs. 4 and 33, which is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

SUBDIVISION OF SECTION 4, T. 35 S., R. 1 E.

From the  $\frac{1}{4}$  sec. cor. secs. 4 and 33, on the N. bdy. of the township.

S.  $0^\circ 06'$  W., on true N. and S. center line sec. 4.

Ascend abrupt N. slope of rough mountainous land, through dense timber and undergrowth.

11.50 Ridge, 270 ft. above cor., bears E. and W.; descend gradual S. slope.

17.20 Rocky gulch near head, 80 ft. below ridge, drains SW.; ascend steep brushy N. slope.

17.55 Point for the center N.  $\frac{1}{16}$  sec. cor. sec. 4, at proportionate distance, on brushy N. slope, 10 ft. above gulch.

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

C  
N  $\frac{1}{16}$  | S4  
C

1945

From which

3

110

SUBDIVISION OF SECTION 4, T. 35 S., R. 1 E.

Chains

A pinon, 10 ins. in diam., bears N. 84° E., 56 lks. dist., marked CN 1/16 S4 BT.

A pinon, 12 ins. in diam., bears S. 89°45' W., 59 lks. dist., marked CN 1/16 S4 BT.

Continue over steep brushy N. slope.

23.10 Spur, 40 ft. above cor., projects ...; descend abrupt ledgy S. slope.

34.79 Intersect line 1-2, H. E. S. No. 90, N. 51°51' W., 33.73 chs. dist. from cor. No. 2, a sandstone, 12 x 12 x 10 ins. firmly set, properly marked and witnessed as described in the official record.

37.08 Point for the witness cor. to the center  $\frac{1}{4}$  sec. cor. sec. 4, on steep ledgy SE. slope, 440 ft. below spur.

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

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

W C

1945

From which

A pinon, 16 ins. in diam., bears N. 79°15' E., 60 lks. dist., marked WC C  $\frac{1}{4}$  S4 BT.

A pinon, 16 ins. in diam., bears N. 40°30' W., 32 lks. dist., marked WC C  $\frac{1}{4}$  S4 BT.

37.58 True point for the center  $\frac{1}{4}$  sec. cor. sec. 4, falls in center of Utah State Highway No. 23, 20 ft. below the witness cor., bears northwesterly and southeasterly, where it is impracticable to set a cor.

Continue on same line for alinement only and intersect the  $\frac{1}{4}$  sec. cor. secs. 4 and 9, which is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

Land, rough and mountainous.

Soil, shallow clay and shale, with a rocky surface; 4th rate.

Timber, juniper, pinon, spruce, and fir.

Undergrowth, sage, oak, and service berry brush, mahogany, browse, and weeds.

Fair grazing land.

From the  $\frac{1}{4}$  sec. cor. secs. 3 and 4.

N. 89°58' W., on true E. and W. center line sec. 4.

Ascend steep NE. slope of rough mountainous land, through dense timber and undergrowth.

2.00 Top of peak on ridge, 40 ft. above the  $\frac{1}{4}$  sec. cor., bears S. 85° E. and N. 80° W.; descend steep ledgy SW. slope.

17.50 Ravine, drains S.

20.00 Point for the center E. 1/16 sec. cor. sec. 4, on steep SE. slope.

4  
SUBDIVISION OF SECTION 4, T. 35 S., R. 1 E.

Chains

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

$$C \frac{E \ 1/16}{S4} C$$

.1945

From which

A juniper limb, 10 ins. in diam., bears N. 54° E., 35 lks. dist., marked CE 1/16 S4 BT.

A juniper, 12 ins. in diam., bears S. 7° W., 29 lks. dist., marked CE 1/16 S4 BT.

From this cor., a nail driven in the cross beam at the main entry to the Main Canyon Coal Mine, bears N. 70° 30' W., 7.75 chs. dist., and a nail driven in the cross beam at the entrance to the back entry, bears N. 70° 20' W., 10.29 chs. dist.

- 28.60 Spur, slopes S.; thence descend steep ledgy W. slope.
- 32.50 Rocky draw, drains S.
- 36.44 Intersect line 1-2 of H. E. S. No. 90, N. 51° 51' W., 29.19 chs. dist. from cor. No. 2.
- 36.70 Descend gradual SW. slope.
- 40.00 The true point for the center  $\frac{1}{4}$  sec. cor. sec. 4, 540 ft. below top of ridge, and which is S. 0° 06' W., 50 lks. dist. from the witness cor.

Continue on same line for alinement only and intersect the  $\frac{1}{4}$  sec. cor. secs. 4 and 5, which is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

Land, rough and mountainous, with a general southerly exposure and drainage.  
Soil, shallow clay and shale, with a rocky surface; 4th rate.  
Timber, scrub juniper and pinon, with a few spruce and yellow pine.  
Undergrowth, sage and oak brush, service berry, mahogany, browse, and weeds.  
Poor grazing land.

From the center E. 1/16 sec. cor. sec. 4.

N. 0° 08' E., on true N. and S. center line NE  $\frac{1}{4}$  sec. 4.

Ascend steep ledgy S. slope of high mountainous land, through medium dense timber and undergrowth.

- 8.00 Top of high sharp ridge, 180 ft. above cor., bears N. 80° W. and S. 80° E.; descend abrupt N. slope through very dense timber and undergrowth.
- 19.70 Small rocky ravine, drains N. 20° E.
- 20.01 Point for the NE 1/16 sec. cor. sec. 4, on steep E. slope at N. side of ravine, 420 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in

SUBDIVISION OF SECTION 4, T. 35 S., R. 1 E.

Chains

the ground to solid rock and in a large mound of stone, with brass cap marked

NE 1/16 S4

1945

From which

A Douglas fir, 10 ins. in diam., bears S. 0°30' E., 29 lks. dist., marked NE 1/16 S4 BT.

A Douglas fir, 12 ins. in diam., bears S. 66° E., 31 lks. dist., marked NE 1/16 S4 BT.

25.20 Wash, 150 lks. wide, 20 ft. deep, in bottom of canyon, 100 ft. below cor., drains SE.; ascend ledgy S. slope.

37.53 The E. 1/16 sec. cor. secs. 4 and 33, on the N. bdy. of the township, 70 ft. above bottom of canyon.

Land, rough and mountainous. Soil, shallow clay and shale; 4th rate. Timber, juniper, pinon, fir, and spruce. Undergrowth, sage, service berry, and oak brush, browse, and weeds. Fair grazing land.

From the N. 1/16 sec. cor. secs. 3 and 4.

N. 89°57' W., on true E. and W. center line NE 1/4 sec. 4.

Descend gradually along ledgy S. slope of rough mountainous land, through medium dense timber and undergrowth.

9.30 Wash, 100 lks. wide, 10 ft. deep, in bottom of canyon, 30 ft. below cor., drains S. 70° E.; ascend broken NE. slope.

19.80 Small sandstone ravine, drains N. 30° E.

20.02 The NE. 1/16 sec. cor. sec. 4.

33.00 Ridge, 410 ft. above the N. 1/16 sec. cor. secs. 3 and 4, bears NW. and SE.; descend general W. slope.

40.04 The center N. 1/16 sec. cor. sec. 4, 90 ft. below ridge.

Land, rough and mountainous. Soil, shallow clay and shale; 4th rate. Timber, juniper, pinon, spruce, and fir. Undergrowth, sage, service berry, and oak brush, browse, and weeds. Fair grazing land.

GENERAL DESCRIPTION SECTION 4, T. 35 S., R. 1 E.

The portion of section 4 that comes under this survey, is very rough and broken and is of a sand and limestone formation. The slopes are very abrupt and are broken by numerous ledgy rims and outcroppings.

The soil in most places is very shallow and is mostly clay and shale with a very rocky surface and may be classified as fourth rate.

The timber on the south slopes is scrub juniper and pinon, while that on the north slopes is juniper, pinon, fir, and spruce.

GENERAL DESCRIPTION SECTION 4, T. 35 S., R. 1 E.

Chains

The undergrowth consists of a medium dense growth of sage, oak, service berry and buck brush, mahogany, browse, and weeds, which affords fair grazing for stock.

In the central portion of the section, surface indications of a large vein of coal were found and the Main Canyon Coal Mine is located at a point, N. 70°30' W., 7.75 chs. dist. from the CE 1/16 sec. cor. sec. 4. This mine was not operating at the time of the survey.

No portion of the area surveyed is suitable for farming and except for the coal, it is suitable only for a grazing range for stock.

DEPENDENT RESURVEY PORTIONS BDYS. SEC. 8, T. 35 S., R. 1 E.

Reestablishment of surveys executed by Andrew Nelson, Surveyor, in 1937.

October 8, 1945; stationed at the cor. of secs. 8, 9, 16, and 17, T. 35 S., R. 1 E., in approximate latitude 37°46'30" N., longitude 111°48' W., with instrument No. 23831, and at 10h16.6m 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 reversed positions, reading the horizontal deflection angle from a flag about 15.00 chs. to the N., in a counter clockwise direction to the star.

Local mean time of observation.....9h 49.4m a.m.  
 Mean horizontal deflection angle.....0°48'  
 Azimuth of Polaris.....0°50' W.  
 True bearing to flag.....N. 0°02' W.

The cor. of secs. 8, 9, 16, and 17, is marked by an iron post, 2 ins. in diam., firmly set, properly marked and witnessed as described in the official record. From this cor., the entrance to the Cherry Creek Coal Mine, bears N. 9°02' W., 11.59 chs. dist. For additional ties to this mine, see those given in the official record of the surveys executed in 1937.

Thence, from the above cor.

N. 0°02' W., bet. secs. 8 and 9.

The course, distance, and topography of this line were found to agree with those given in the official record.

20.00 Point for the S. 1/16 sec. cor. secs. 8 and 9.

Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

S 1/16  
 S8 | S9  
 1945

From which

A juniper, 14 ins. in diam., bears S. 1° E., 27 lks. dist., marked S 1/16 S9 BT.

A pinon, 10 ins. in diam., bears S. 70° W., 60 lks. dist., marked S 1/16 S8 BT.

DEPENDENT RESURVEY PORTIONS BDYS. SEC. 8, T. 35 S., R. 1 E.

Chains

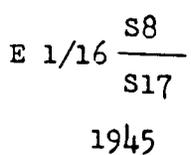
40.00 The 1/4 sec. cor. secs. 8 and 9, which is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

From the cor. of secs. 8, 9, 16, and 17.  
S. 89°53' W., bet. secs. 8 and 17.

The course, distance, and topography of this line were found to agree with those given in the official record.

19.99 Point for the E. 1/16 sec. cor. secs. 8 and 17.

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



From which

A pinon, 12 ins. in diam., bears N. 79°15' E., 38 lks. dist., marked E 1/16 S8 BT.

A Douglas fir, 16 ins. in diam., bears S. 26°15' E., 27 lks. dist., marked E. 1/16 S17 BT.

39.98 The 1/4 sec. cor. of secs. 8 and 17, which is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

SUBDIVISION OF SECTION 8, T. 35 S., R. 1 E.

From the 1/4 sec. cor. secs. 8 and 17.

N. 0°04' W., on true N. and S. center line sec. 8.

Descend abrupt NE. slope of broken mountainous land, through dense undergrowth and scattered timber.

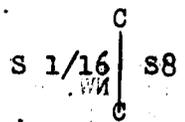
1.30 Cherry Creek, stream of good water, 5 lks. wide, 3 ins. deep, in bottom of canyon, 40 ft. below cor., flows S. 80° E.; ascend gradual SW. slope.

6.80 Low pass in ridge, 20 ft. above stream, bears S. 80° E. and ascend SW.; thence ascend gradually over general SE. and S. slope.

8.80 Head of swale, drains S. 80° E.

20.03 Point for the center S. 1/16 sec. cor. sec. 8, 70 ft. above ridge.

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



1945

From which

## SUBDIVISION OF SECTION 8, T. 35 S., R. 1 E.

## Chains

A pinon, 8 ins. in diam., bears N.  $47^{\circ}30'$  E., 30 lks. dist., marked CS  $1/16$  S8 BT.

A pinon, 10 ins. in diam., bears West, 46 lks. dist., marked CS  $1/16$  S8 BT.

22.00 Rolling top of wide ridge, 10 ft. above cor., bears NE. and SW.; thence ascend gradually through dense timber along general W. slope.

40.06 Point for the center  $\frac{1}{4}$  sec. cor. sec. 8, 60 ft. above the top of ridge.

Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

C  $\frac{1}{4}$  S8

1945

From which

A pinon, 12 ins. in diam., bears N.  $57^{\circ}15'$  E., 31 lks. dist., marked C  $\frac{1}{4}$  S8 BT.

A yellow pine, 30 ins. in diam., bears S.  $10^{\circ}$  W., 110 lks. dist., marked C  $\frac{1}{4}$  S8 BT.

Continue on same line for alinement only and intersect the  $\frac{1}{4}$  sec. cor. of secs. 5 and 8, which is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

From this cor., the entrance to a coal mine which is under construction, bears N.  $64^{\circ}08'$  E., 12.40 chs. dist. Entrance consists of an open cut about 75 lks. long N. and S., 30 lks. wide, and 40 ft. deep at its face. The face of the cut exposes a large vein of coal.

From the same cor., a nail driven in a yellow pine tree, 18 ins. in diam., and which is used as a reference point, bears N.  $52^{\circ}24'$  E., 13.70 chs. dist.

Land, high and mountainous.

Soil, shallow clay and shale, with sandstone ledges and surface rock; 4th rate.

Timber, juniper and pinon with scattered yellow pine, fir, and spruce.

Undergrowth, sage, oak, buck, and service berry brush, manzanita, browse, and weeds.

Fair grazing land.

From the  $\frac{1}{4}$  sec. cor. of secs. 8 and 9.

S.  $89^{\circ}55'$  W., on true E. and W. center line sec. 8.

Across sagebrush opening.

7.50 Leave sagebrush opening and ascend abrupt ledgy SE. slope of high sandstone rim, bears NE. and SW. Enter medium dense timber, bears same.

19.50 Top of nearly vertical sandstone rim, 75 ft. high, 240 ft. above cor., bears NW. and S.; thence ascend abrupt E. slope of ridge to the W.

20.00 Point for the center E.  $1/16$  sec. cor. sec. 8.

SUBDIVISION OF SECTION 8, T. 35 S., R. 1 E.

Chains

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

E 1/16  
C ——— C  
S8

1945

From which

A juniper, 10 ins. in diam., bears N. 52° E., 12 lks. dist., marked CE 1/16 S8 BT.

A pinon, 10 ins. in diam., bears S. 20° W., 82 lks. dist., marked CE 1/16 S8 BT.

32.80 Ridge, 270 ft. above top of rim, bears N. and S.; descend general W. slope through dense timber.

40.00 The center 1/4 sec. cor. sec. 8, 70 ft. below ridge.

Continue on same line for alinement only and intersect the 1/4 sec. cor. secs. 7 and 8, which is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

Land, rough and mountainous.

Soil, shallow clay and shale, with a rocky surface; 4th rate.

Timber, juniper, pinon, and a few scattered yellow pine, fir, and spruce.

Undergrowth, sage, oak, and service berry brush, manzanita, mahogany, browse, and weeds.

Fair grazing land.

From the E. 1/16 sec. cor. secs. 8 and 17.

N. 0°03' W., on true N. and S. center line SE 1/4 sec. 8.

Descend abrupt N. slope of broken mountainous land, through dense timber and undergrowth.

2.20 Cherry Creek, stream of good water, 10 lks. wide, 3 ins. deep, in bottom of deep narrow canyon, 90 ft. below cor., flows E.; ascend steep S. slope.

6.00 Small spur, slopes S. 60° E.; continue ascent.

7.80 Small ravine, drains SE.

20.02 Point for the SE. 1/16 sec. cor. sec. 8, on S. slope, 195 ft. above stream.

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

SE 1/16 S8

1945

From which

A pinon limb, 8 ins. in diam., bears N. 70° E., 25 lks. dist., marked SE 1/16 S8 BT.

A pinon, 8 ins. in diam., bears S. 42° W., 57 lks. dist., marked SE 1/16 S8 BT.

SUBDIVISION OF SECTION 8, T. 35 S., R. 1 E.

Chains

- 24.00 Ridge, 50 ft. above cor., bears NW. and SE.; descend abrupt N. and NE. slopes.
- 34.50 Draw, 180 ft. below ridge, drains NE., 20 lks. dist. to cove in rim of vertical sandstone ledge; thence ascend gradually over S. slope near rim of ledge.

40.04 The center E. 1/16 sec. cor. sec. 8, 40 ft. above draw.

Land, rough and mountainous.

Soil, shallow clay and shale, with a rocky surface; 4th rate.

Timber, juniper, pinon, and scattered yellow pine, fir, and spruce.

Undergrowth, sage, oak, service berry and buck brush, mahogany, browse, and weeds.

Fair grazing land.

From the S. 1/16 sec. cor. secs. 8 and 9.

S. 89°54' W., on true E. and W. center line SE $\frac{1}{4}$  sec. 8.

Ascend ledgy NE. slope of rough mountainous land, through medium dense timber and undergrowth.

10.00 Top of sandstone rim, bears NW. and SE.; thence ascend more gradual NE. slope.

18.00 Ridge, 320 ft. above cor., bears NW. and SE.; descend gradually along broken SW. and S. slopes.

19.99 The SE. 1/16 sec. cor. sec. 8.

39.98 The center S. 1/16 sec. cor. sec. 8, 270 ft. below ridge.

Land, rough and mountainous.

Soil, shallow clay and shale, with a rocky surface; 4th rate.

Timber, dense juniper and pinon with a few scattered yellow pine, fir, and spruce.

Undergrowth, sage, oak, service berry and buck brush, mahogany, browse, and weeds.

Fair grazing land.

GENERAL DESCRIPTION SECTION 8, T. 35 S., R. 1 E.

The portion of section 8 that comes under this survey is very rough and mountainous. A nearly vertical sandstone rim facing easterly, extends in a northerly and southerly direction through the most of the east half of the section, and in many places near the base of this rim, surface indication of a large vein of coal is found.

The timber is a dense growth of juniper and pinon, with scattered yellow pine, spruce, and fir.

The undergrowth consists of a medium dense growth of sage, oak, service berry, and buck brush, mahogany, manzanita, browse and weeds.

The soil is shallow loose clay and shale with a very rocky surface, and may be classified as fourth rate.

The Cherry Creek Coal Mine which is now abandoned, is located at a point, N. 9°02' W., 11.59 chs. dist. from the cor. of secs. 8, 9, 16, and 17, and a coal mine was under construction in sec. 5, at a point N. 64°08' E., 12.40 chs. dist. from the  $\frac{1}{4}$  sec. cor. of secs. 5 and 8.





Elliot Bird  
 x We, Andrew Nelson, Cadastral Engineers, HEREBY CERTIFY upon honor the  
 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 September 5, 1942, <sup>We</sup> have ~~made~~ made a dependent resurvey of  
 portions of the boundaries, and survey of the subdivision of sections  
 4 and 8, T. 35 S., R. 1 E.

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.  
 Salt Lake City, Utah.  
 December 15, 1945

Elliot Bird Associate Cadastral Engineer  
 Andrew Nelson Associate Cadastral Engineer

CERTIFICATE OF APPROVAL

Office of Chief Cadastral Engineer,  
~~Office of Supervisor of Surveys,~~  
 Denver, Colorado, October 23, 1946.

The foregoing field notes of the survey of dependent resurvey of portions of the  
 boundaries, and survey of the subdivision of sections 4 and 8, T. 35 S.  
 R. 1 E., Salt Lake Meridian, Utah.

executed by Elliot Bird and Andrew Nelson, Cadastral Engineers  
 under special instructions dated September 21, 1939, supplemental  
 instructions dated September 5, 1942, 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.

  
~~Supervisor of Surveys~~  
 ACT. 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*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT  
BOOK "C"

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF PORTIONS OF THE BOUNDARIES, AND SURVEY OF THE  
SUBDIVISION OF SECTION 12, T. 36 S., R. 2 E.

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Elliot Bird, Cadastral Engineer

Andrew Nelson, Cadastral Engineer

Robert C. Yundt, Cadastral Engineer

Under special instructions dated September 21, 1939, which provided  
for the surveys included under Group No. 310, bearing the approval of the  
Commissioner of the General Land Office under date of November 3, 1939

supplemental  
and assignment instructions dated September 5, 1942 and Oct. 8, 1945.

Survey commenced October 12, 1945.

Survey completed October 17, 1945.

DEPT. OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Form No. 1

INDEX MAP

# INDEX DIAGRAM.

Township 36 South, Range 2 East

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## T. 36 S., R. 2 E.

## Chains

The subdivision of section 12, T. 36 S., R. 2 E., was made to identify a coal lease located in the NE $\frac{1}{4}$  SW $\frac{1}{4}$  of said section. The survey was commenced October 12, 1945, and executed by Elliot Bird, Andrew Nelson, and Robert C. Yundt, using Buff and Buff solar transit No. 23831. 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 reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle. The instrument was approved for use on this survey conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in supplemental assignment instructions dated September 5, 1942, and Oct. 8, 1945.

The bearings of the lines were determined by deflection angles from true meridians established by 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 the survey to make it conform to that of a mineral survey.

The measurements were made with a Lallie 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 and found correct, comparison being made with a Lufkin standard steel tape 1 chain in length. The measurements were made on the slope, the vertical angle at each interval determined with the transit, and the slope measurements properly reduced to true horizontal distances, which appear in this record.

## DEPENDENT RESURVEY PORTIONS EDYS. SEC. 12, T. 36 S., R. 2 E.

Reestablishment of surveys executed by  
G.F. Rigby and E.S.C. Smith, in 1922.

October 12, 1945; stationed at the  $\frac{1}{4}$  sec. cor. secs. 12 and 13, T. 36 S., R. 2 E., in approximate latitude  $37^{\circ}41'$  N.; longitude  $111^{\circ}38'$  W., at 9h 00.3m 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 flag about 36 chains to the N., in a counter clockwise direction to the star.

Local mean time of observation.....	7h 33.8m a.m.
Mean horizontal deflection angle.....	1° 04'
Azimuth of Polaris.....	1° 12' W.
True bearing to flag.....	N. 0°08' W.

The  $\frac{1}{4}$  sec. cor. of secs. 12 and 13, is marked by an iron post, 1 in. in diam., firmly set, properly marked and witnessed as described in the official record.

Thence, from the above cor.

S.  $89^{\circ}59'$  W., bet. secs. 12 and 13.

No change in the bearing or topography of this line was found with that given in the official record.

20.01 Point for the W.  $1/16$  sec. cor. secs. 12 and 13.

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

Chains

W 1/16 S12  
S13  
1945

From which

A pinon, 10 ins. in diam., bears S. 8°45' E., 43 lks. dist., marked W 1/16 S13 BT.

A pinon, 11 ins. in diam., bears N. 55°45' W., 27 lks. dist., marked W 1/16 S12 BT.

40.02

The cor. of secs. 11, 12, 13, and 14, which is marked by an iron post, 2 ins. in diam., firmly set, properly marked and witnessed as described in the official record.

N. 0°08' W., bet. secs. 11 and 12.

The topography on this line was found to agree with that given in the official record.

20.04

Point for the S. 1/16 sec. cor. secs. 11 and 12.

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

S 1/16

S11 | S12

1945

From which

A pinon, 10 ins. in diam., bears S. 50° E., 42 lks. dist., marked S 1/16 S12 BT.

A pinon, 6 ins. in diam., bears N. 45° W., 61 lks. dist., marked S 1/16 S11 BT.

40.08

The 1/4 sec. cor. secs. 11 and 12, which is marked by an iron post, 1 in. in diam., firmly set and properly marked and witnessed as described in the official record.

The cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the township, is marked by an iron post, 2 ins. in diam., firmly set and properly marked and witnessed as described in the official record.

Thence, from the above cor.

West, bet. secs. 1 and 12.

The distance and topography of this line was found to agree with that given in the official record.

34.70

Record course and distance; find no trace of the witness cor. to the 1/4 sec. cor. secs. 1 and 12, which was reported as being set at this point.

37.22

The witness cor. to the 1/4 sec. cor. secs. 1 and 12, which is marked by an iron post, 1 in. in diam., firmly set and properly marked and witnessed as described in the official record.

Indications show that this witness cor. was set at the

DEPENDENT RESURVEY PORTIONS EDYS. SEC. 12, T. 36 S., R. 2 E.

Chains

distance given for the temporary witness cor. on the random line bet. secs. 1 and 12, as shown in the official record, and an error was made in giving the correct distance to the cor. on the true line.

40.03

True point for the 1/4 sec. cor. secs. 1 and 12.

80.06

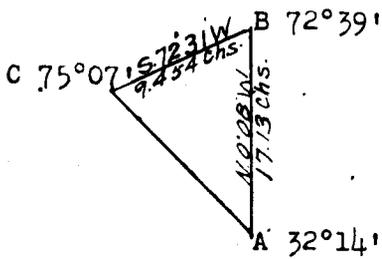
The true point for the cor. of secs. 1, 2, 11, and 12, which is S. 0°01' E., 3.60 chs. dist. from the witness cor. to the cor. of said secs. The witness cor. is marked by an iron post, 2 ins. in diam., firmly set and properly marked and witnessed as described in the official record.

SUBDIVISION OF SECTION 12, T. 36 S., R. 2 E.

From the 1/4 sec. cor. secs. 12 and 13.

N. 0°08' W., on true N. and S. center line sec. 12.

The line to the N. of this cor., crosses a deep gulch which is rimmed with high vertical ledges over which it is impossible to chain, I therefore determine the distance by triangulation as follows. Erect flag "A" at the 1/4 sec. cor. and flag "B" on line to the N. From "B", survey base line "BC", S. 72°31' W., 9.454 chs. dist. Angle at "A" is 32°14', at "B" 72°39' and at "C" 75°07'. All angles checked by repetition and base line double chained. Vertical angle from "A" to "B" is plus 3°40'.



Distance by triangulation 17.13 chs.

8.00

Approximate distance; bottom of rocky gulch, 270 ft. below cor., drains NE.; ascend inaccessible NW. breaks of gulch.

17.13

To point of triangulation at top of NW. breaks of gulch, 340 ft. above bottom, bears NE. and SW.; thence over broken sandstone outcrops.

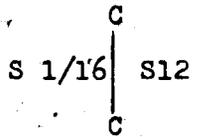
19.00

Small spur, projects NE.

19.98

Point for the center S. 1/16 sec. cor. sec. 12.

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



1945

From which

A pinon, 12 ins. in diam., bears N. 59° E., 61 lks. dist., marked CS 1/16 S12 BT.

## SUBDIVISION OF SECTION 12, T. 36 S., R. 2 E.

Chains

A pinon, 10 ins. in diam., bears N. 70° W., 56 lks. dist., marked CS 1/16 S12 BT.

24.00 Head of rocky gulch, drains NE.

30.40 Spur, 40 ft. above cor., slopes E., about 2.00 chs. dist. to top of vertical sandstone rim.

36.50 Top of nearly vertical sandstone rim; 50 ft. below spur, 75 ft. high, bears S. 80° W. and S. 10° E.; descend abrupt N. face of rim.

39.96 Point for the center  $\frac{1}{4}$  sec. cor. of sec. 12; on abrupt ledgy N. slope, 240 ft. below top of rim.

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

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

1945

From which

A pinon, 8 ins. in diam., bears N. 23°30' W., 24 lks. dist., marked C  $\frac{1}{4}$  S12 BT.

A juniper, 12 ins. in diam., bears S. 35°30' W., 10 lks. dist., marked C  $\frac{1}{4}$  S12 BT.

Continue on same line for alinement only and intersect the true point for the  $\frac{1}{4}$  sec. cor. secs. 1 and 12, which is West, 2.81 chs. dist. from the witness cor. to the cor. of said secs.

Land, very rough and mountainous.

Soil, shallow blue clay and shale with a rocky surface; 4th rate.

Timber, juniper and pinon with a few scattered spruce and fir.

Undergrowth, sage, oak, service berry, manzanita, mahogany, browse, and weeds.

Fair grazing land.

From the  $\frac{1}{4}$  sec. cor. secs. 11 and 12.

S. 89°51' E., on true E. and W. center line sec. 12.

Descend abrupt ledgy SE. slope of broken mountainous land, through medium dense timber and undergrowth.

3.60 Wash, 40 lks. wide, 10 ft. deep, in bottom of canyon, 70 ft. below cor., drains N. 80° E.; ascend gradually along steep ledgy N. slope.

20.02 Point for the center W. 1/16 sec. cor. sec. 12; on steep ledgy N. slope, 150 ft. above bottom of canyon.

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

W 1/16  
C ——— C  
S12

1945

From which

## SUBDIVISION OF SECTION 12, T. 36 S., R. 2 E.

Chains

A pinon, 6 ins. in diam., bears S. 18° E., 21 lks. dist., marked CW 1/16 S12 BT.

A pinon, 10 ins. in diam., bears N. 73° 30' W., 74 lks. dist., marked CW 1/16 S12 BT.

From this cor., a nail driven in the cross beam at the main entry of a coal mine, now operating, bears N. 73° 33' E., 5.49 chs. dist. At the point where the nail is driven, the cross beam is scribed U.S. The mine is coal lease Salt Lake 048223, to George and Victor Alvey.

Continue along ledgy N. slope.

40.04 The center  $\frac{1}{4}$  sec. cor. sec. 12,  
for alinement only  
Continue on same line and intersect the  $\frac{1}{4}$  sec. cor. secs. 7 and 12, on the E. bdy. of the township.

Land, rough and mountainous.

Soil, shallow clay and shale, with a rocky surface; 4th rate.

Timber, juniper and pinon with a few scattered spruce and fir.

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

Fair grazing land.

From the W. 1/16 sec. cor. of secs. 12 and 13.

N. 0° 08' W., on true N. and S. center line SW  $\frac{1}{4}$  sec. 12.

Ascend ledgy SE. slope of broken mountainous land, through medium dense timber and undergrowth.

16.50 Spur, 320 ft. above cor., projects E.; descend N. slope.

18.50 Ravine near head, 50 ft. below spur, drains E.

20.01 Point for the SW. 1/16 sec. cor. sec. 12, 20 ft. above ravine, on gradual S. slope.

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

SW 1/16 S12

1945

From which

A pinon, 8 ins. in diam., bears N. 71° E., 45 lks. dist., marked SW 1/16 S12 BT.

A pinon, 7 ins. in diam., bears S. 76° W., 37 lks. dist., marked SW 1/16 S12 BT.

23.00 Ridge, 30 ft. above cor., bears N. 80° E. and S. 80° W.

28.20 Small ravine, 50 ft. below ridge, drains E.; ascend gradual S. slope.

32.50 Ridge, 40 ft. above ravine, bears N. 80° E. and S. 80° W.; descend abrupt ledgy N. slope.

34.00 Top of nearly vertical sandstone rim, faces N. and bears N. 80° E. and S. 80° W.; descend abruptly.

40.02 The center W. 1/16 sec. cor. sec. 12, 380 ft. below ridge.

## SUBDIVISION OF SECTION 12, T. 36 S., R. 2 E.

Chains

Land, very rough and mountainous.  
Soil, shallow clay, sand, and shale, with a rocky surface;  
4th rate.  
Timber, juniper and pinon.  
Undergrowth, sage, buck, and service berry brush, browse,  
and weeds.  
Poor grazing land.

From the center S. 1/16 sec. cor. sec. 12.

N. 89°55' W., on true E. and W. center line SW $\frac{1}{4}$  sec. 12.

Ascend gradual rocky E. and SE. slopes of rough mountainous land, through very dense timber.

- 6.00 Rocky spur, 60 ft. above cor., slopes SE.; descend SW. slope.
- 8.00 Small ravine, 50 ft. below spur, drains SE. from the W.; thence ascend along bottom of ravine.
- 15.50 Leave bottom of ravine, drains E. from S. 80° W.; ascend along rocky S. slope.
- 20.01 The SW. 1/16 sec. cor. sec. 12.
- 27.00 Ridge, 180 ft. above ravine, bears N. 80° E. and S. 80° W. descend NW. and W. slopes.
- 40.02 The S. 1/16 sec. cor. secs. 11 and 12, 110 ft. below ridge

Land, rough and mountainous.  
Soil, shallow clay, sand, and shale, with a rocky surface;  
4th rate.  
Timber, juniper and pinon.  
Undergrowth, sagebrush, shadscale, browse, and weeds.  
Poor grazing land.

## GENERAL DESCRIPTION OF SECTION 12, T. 36 S., R. 2 E.

The portion of sec. 12, T. 36 S., R. 2 E., that comes under this survey, consists in general of the nearly inaccessible north and east breaks of a high broken plateau. It is of a red and white sandstone formation and has a general northeasterly and easterly drainage into Alveys Wash.

The soil consists of a shallow clay, sand, and shale, with a very rocky surface, and may be classified as fourth rate.

Most of the area is covered with a medium dense growth of juniper and pinon, with a few scattered yellow pine, spruce, and fir timber.

The undergrowth consists of a medium dense growth of sage, service berry, oak, and buck brush, browse, and weeds, which affords fair grazing for stock.

The main entry to a coal mine now in operation, is located at a point, N. 73°33' E., 5.49 chs. dist. from the center west 1/16 sec. cor. sec. 12. The mine is coal lease Salt Lake 048223, issued to George and Victor Alvey, of Escalante, Ut.

Surface indications of coal were found throughout the section but no indications of mineral, oil, or oil shale were found. No settlers were living in the section and no portions of it are suitable for farming.



ENGINEERS  
CERTIFICATE OF SURVEYOR

Elliot Bird  
Andrew Nelson

We, Robert C. Yundt, Cadastral Engineers, 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 supplemental  
instructions dated Oct. 8, 1945 with assignment  
Sept. 5, 1942 and I have surveyed We have made a dependent  
resurvey of portions of the boundaries, and survey of the subdivision  
of section 12, T. 36 S., R. 2 E.

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.

Salt Lake City, Utah. *Robert C. Yundt* Associate Cadastral Engineer  
December 21, 1945. *Andrew Nelson* Associate Cadastral Engineer  
April 12, 1946. *Robert C. Yundt* Associate Cadastral Engineer

CERTIFICATE OF APPROVAL

Office of Chief Cadastral Engineer,  
~~OFFICE OF SUPERVISOR OF SURVEYS~~

Denver, Colorado, October 23, 1946,

The foregoing field notes of the survey of dependent resurvey of portions of the  
boundaries, and survey of the subdivision of section 12, T. 36 S.,  
R. 2 E., Salt Lake Meridian, Utah.

executed by Elliot Bird, Andrew Nelson, and Robert C. Yundt, Cadastral Eng  
under special instructions dated September 21, 1939 supplemental  
instructions dated Sept. 5, 1942 and Oct. 8, 1945, 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.

*Robert C. Yundt*  
Acting 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.

*Robert C. Yundt*  
Supervisor of Surveys.

1948

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DEPT. OF THE INTERIOR  
RECEIVED  
JAN 23 1951  
BUR. OF LAND MANAGEMENT  
SALT LAKE CITY, UTAH

# FIELD NOTES

of the

Dependent Resurvey of Portions of the South Boundary and Subdivision

Survey of Portions of the East Boundary and Subdivision

and

Survey of the Subdivision of the Northwest Quarter of Section 36

of

Township 36 South, Range 2 West

Of the Salt Lake Meridian,

in the State of Utah

## EXECUTED BY

Robert C. Fundt, Cadastral Engineer

supplemental Under special instructions dated July 15, 1946, which provided

for the surveys included under Group No. 310-Utah, approved July 30, 1946

and assignment instructions dated November 1, 1950

Survey commenced November 10, 1950

Survey completed November 30, 1950

# INDEX DIAGRAM

Township 36 South, Range 2 West

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1624

## Township 36 South, Range 2 West

Portions of the boundaries and subdivisional lines of Township 36 south, Range 2 West of the Salt Lake Meridian were surveyed by Alfred B. Lewis in 1897, Andrew Nelson in 1918, Elliot Bird in 1933 and Bird and Nelson in 1945. The following notes are those of a dependent resurvey of the east two miles of the south boundary and the lines between sections 26 and 27 and between sections 34 and 35, and an original survey of the south mile of the east boundary and the subdivisional lines adjacent to sections 26, 35, and 36, together with the subdivision-of-section survey of the northwest quarter of section 36.

The dependent resurvey is a restoration of the original lines in their true, original position according to the identified evidence of the original survey. Before reconstructing or restoring a corner monument, the lines of the original survey were retraced, and search made for evidence of the original monument, and other calls of the field notes. After completing the necessary retracements 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 position was remonumented with iron posts.

The survey was executed with Buff and Buff solar transit number 26594, property of the Bureau of Land Management, and constructed in accordance with the standard specifications of the Bureau. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the course of the survey. The measurements were made with Lallie steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of ten links. They were tested by comparison with a Lufkin 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 horizontal equivalents, which appear in the field note record.

The direction of the lines of the survey were determined by the solar transit method.

The geographic position of the southeast corner of the township as given in the special instructions is as follows: Latitude  $37^{\circ}37' N.$ , Longitude  $111^{\circ} 57' W.$  This value for latitude agrees with that determined by meridian solar observations.

The mean magnetic declination was found to be  $15^{\circ} 50' E.$

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Dependent Resurvey of the South Boundary

Re-establishment of the surveys executed by Alfred B. Lewis, Deputy Surveyor, in 1897.

The corner of sections 2, 3, 34, and 35, T. 36 and 37 S., R. 2 W., is marked by a decayed sandstone rock  $10 \times 7 \times 4$  ins., firmly set in the ground, with no marks visible, and from which a sandstone boulder showing  $4 \times 2 \times 2$  ft. above ground, marked with a cross (X) bears 50 links S.  $11^{\circ} 00' E.$

At the corner point:

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 28 ins. in the ground, with brass cap marked:

T36S R2W  
S34 | S35

S3 | S2  
T37S  
1950

Dependent Resurvey of the South Boundary of T. 36 S., R. 2 W.

Chains

Deposit the original stone alongside the iron post.

Thence:

N. 89° 57' E., on dependent resurvey between sections 2 and 35.

Over mountainous land, through widely scattered timber and scant undergrowth, along a general S. slope.

19.00 Wash, 150 links wide and 10 ft. deep, drains S., ascend 105 ft. along a NW. slope.

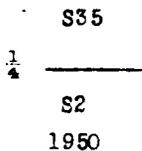
35.00 Long spur, projects S. from N. 10° E., descend 65 ft. along a NE. slope.

37.50 Small draw, near head, drains SE., ascend 15 ft. along a SW. slope.

40.03 On a low spur projecting SE.

Proportionate distance, no trace of the original corner being found:

Set an iron post, 30 ins. long, 2 1/2 ins. diameter, 23 ins. in the ground to solid rock and in a mound of stone for the restored 1/4 section corner, with brass cap marked:



Deposit broken glass at the base of the post.

Descend 15 ft. along an E. slope.

41.50 Small draw, drains S. 60° E., ascend 25 ft. along a SW. slope.

44.00 Low spur, projects SE., descend 65 ft. along an E. slope.

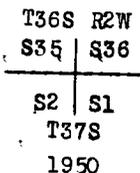
48.50 Wash, 15 links wide and 20 ft. deep in draw draining S., ascend 295 ft. along a SW. slope.

64.50 Spur, projects S., descend 230 ft. along a steep SE. slope.

80.06 The corner of sections 1, 2, 35, and 36, marked by a sandstone rock 18x12x3 ins., firmly set in the ground and marked with one notch on the east and 5 notches on the west edges:

At the corner point:

Set an iron post, 30 ins. long, 2 1/2 ins. diameter, 28 ins. in the ground, with brass cap marked:



Deposit the original stone alongside the iron post.

Land, rolling mountain slopes, drainage S.  
Soil, deep, heavy clay, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, shadscale, sagebrush, weeds, and grass.

Dependent Resurvey of the South Boundary of T. 36 S., R. 2 W.

Chains

N. 89° 50' E., on dependent resurvey between sections 1 and 36.

Over mountainous land, through widely scattered timber and a scant undergrowth, descend 35 ft. along an E. slope.

- 1.70 Small wash, drains NE.  
 5.30 Recross wash, drains SE.  
 9.90 Low spur, projects SE.  
 17.30 Main wash, 2.70 chains wide, 15 ft. deep, drains S., ascend 305 ft. along a rocky SW. slope.

38.15 Spur, projects S., descend along a SE. slope.

39.94 The  $\frac{1}{4}$  section corner of secs. 1 and 36, marked by a sandstone rock, 14x8x4 ins., firmly set in the ground, marked  $\frac{1}{4}$  on the north face:

At the corner point:

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 26 ins. in the ground to solid rock and in a mound of stone, with brass cap marked:

S36
$\frac{1}{4}$
-----
S1
1950

Deposit the original stone alongside the iron post.

Thence:

East, on dependent resurvey, beginning new measurement.

Descend 85 ft. along a SE. slope.

- 15.00 Draw, drains SE., continue descent along a SE. slope.  
 32.30 The witness corner of townships 36 and 37 south, ranges 1 and 2 west, marked by a sandstone rock, 12x9x9 ins., marked with six notches on its E., W., N., and S., edges, loosely set at the top of the steep slope on the west bank of a deep wash. As this position is insecure, I do not re-monument this point.  
 32.60 Wash, 60 links wide and 15 ft. deep, drains S., ascend 365 ft. along a steep W. slope over ledges.  
 40.00 The point for the corner of townships 36 and 37 south, ranges 1 and 2 west falls upon the steep west face of a sandstone ledge, where the corner monument cannot be perpetuated,  
 Therefore at a point 10 links north of the true position  
 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 26 ins. in the ground, for the witness corner of townships 36 and 37 south, ranges 1 and 2 west, with brass cap marked:

T36S
R2W   R1W
S36   S31
-----
S1   S6
T37S
WC
1950

from which

A pinon, 3 ins. in diameter, marked BT, bears East 31 links distant.

No other suitable tree available for marking.

Survey of the East Boundary of T. 36 S., R. 2 W.

Chains

Land, rough mountain slopes, drainage S.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon in patches.  
Undergrowth, sagebrush, shadscale, weeds, and grass.

Survey of the East Boundary of T. 36 S., R. 2 W.

Beginning at the true point for the corner of townships 36 and 37 south, ranges 1 and 2 west:

Thence:

North, between sections 31 and 36.

Over mountainous land, through widely scattered timber and a scant undergrowth, descend 250 ft. along a broken NW. slope over ledges.

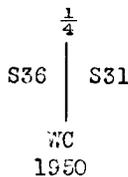
.10 The witness corner of townships 36 and 37 south, ranges 1 and 2 west.

12.20 Wash, 80 links wide and 10 ft. deep in a draw draining S. 20° W.

Ascend 355 ft. along a broken SE. slope over ledges.

40.00 Point for the  $\frac{1}{4}$  section corner falls upon steeply sloping sandstone ledge, where the corner monument cannot be perpetuated.

40.70 Set an iron post, 30 ins. <sup>long,</sup>  $2\frac{1}{2}$  ins. diameter, 24 ins. in the ground to solid rock, and in a mound of stone, for the witness  $\frac{1}{4}$  section corner, with brass cap marked:



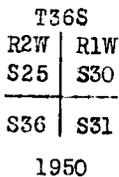
Deposit a sandstone rock, 7x5x3 ins., marked with a cross (X) at the base of the post.

Ascend 75 ft. along a SE. slope.

62.68 Set hub on ridge bearing N<sup>4</sup>. and SW., descend 350 ft. along a NW. slope.

80.00 On a NW. slope:

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 28 ins. in the ground, at the corner of sections 25, 30, 31, and 36, with brass cap marked:



Raise a mound of stone, 3 ft. base and  $1\frac{1}{2}$  ft. high west of the post.

Land, rolling mountain slopes.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, rabbit brush, weeds and grass.

Survey of the Subdivision of T. 36 S., R. 2 W.

Beginning at the corner of sections 1, 2, 35, and 36 on the south boundary of the township:

## Survey of the Subdivision of T. 36 S., R. 2 W.

Chains

Thence:

N. 0° 01' W., between sections 35 and 36.

Over mountainous land, through scattering timber and a scant undergrowth:

- .30 Small wash, drains E., ascend 85 ft. over a S. slope.
- 9.60 Small spur, projects SE., descend 65 ft. along a NE. slope.
- 30.50 Draw, drains S. 60° E., ascend 135 ft. along a SW. slope.
- 36.50 Sandstone ledge about 15 ft. high, bears E. and SW., continue along a general E. slope along the top of the ledge.
- 40.00 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 26 ins. in the ground at the  $\frac{1}{4}$  section corner, with brass cap marked:

 $\frac{1}{4}$ 

S35 | S36

1950

from which,

A pinon, 8 ins. in diameter, marked  $\frac{1}{4}$ S36BT, bears N. 19°30' E., 68 links distant.

A pinon, 6 ins. in diameter, marked  $\frac{1}{4}$ S35BT, bears S. 58°30' W., 40 links distant.

Ascend 25 ft. along a S. slope.

- 40.70 Spur, projects S. 60° E.
- 47.00 Draw, drains E. about 3 chains thence SE.
- 59.40 Spur, projects E.
- 60.00 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 26 ins. in the ground at the N 1/16 sec. cor. of sections 35 and 36, with brass cap marked:

N 1/16

S35 | S36

1950

from which,

A pinon, 5 ins. in diameter, marked N1/16S36BT, bears N. 30°15' E., 26 links distant.

No other suitable tree available for marking.

- 74.60 Draw, drains SE.
- 80.00 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 26 ins. in the ground at the corner of sections 25, 26, 35, and 36, with brass cap marked:

T36S R2W

S26 | S25

S35 | S36

1950

from which,

A pinon, 12 ins. in diameter, marked T36SR2WS25BT, bears N. 38°15' E., 98 links distant.

Chains

A pinon, 14 ins. in diameter, marked T36SR2WS36BT, bears S. 85° 00' E., 90 links distant.

No other suitable trees available for marking.

Land, rough mountain slopes; drainage SE.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, shadscale, bitter brush, weeds, and grass.

Beginning at the corner of sections 25, 30, 31, and 36 on the east boundary of the township:

Thence:

S. 89° 55' W. between sections 25 and 36.

Over mountainous land, through scattering timber and a scant undergrowth.

- .20 Small spur, projects N., descend 405 ft. along a broken W. slope over ledges.
- 14.50 Draw, drains SW., ascend 395 ft. along a broken SE. slope over ledges.
- 28.80 Rocky spur and ledges, projects SW., descend 285 ft. along a SW. slope.
- 37.00 Draw, drains S., ascend 135 ft. along a NE. slope.
- 40.02 Set an iron post, 30 ins. long, 2½ ins. diameter, 24 ins. in the ground at the ¼ section corner, with brass cap marked:

S25

¼ ———

S36

1950

from which

A juniper 3 ins. in diameter, marked ¼S36BT, bears S. 9° 45' W., 40 links distant.

No other suitable tree available for marking.

Ascend 85 ft. along a SE. slope.

- 43.10 Rocky spur, projects S., descend 95 ft. along a SW. slope, over ledges.
- 46.50 Rocky draw, drains S., ascend 95 ft. along a SE. slope, over ledges.
- 51.70 Rocky spur, projects S., descend 105 ft. along a SW. slope over ledges.
- 59.60 Rocky draw, drains S., ascend 25 ft. along a SE. slope.
- 59.95 Set an iron post, 30 ins. long, 2½ ins. diameter, 26 ins. in the ground for the witness W 1/16 section corner of sections 25 and 36, with brass cap marked:

S25

W1/16 ——— WC

S36

1950

Deposit broken glass at the base of the post.

## Subdivision of T. 36 S., R. 2 W.

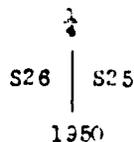
## Chains

- 60.03 Point for the W 1/16 section corner of sections 25 and 36 falls upon a steep clay slope, where the monument cannot be perpetuated.  
Ascend 125 ft. along a rocky SE. slope over ledges.
- 66.50 Spur, projects S. 20° E., descend 85 ft. along a broken SW. slope over ledges.
- 73.00 Draw, drains SE., ascend 95 ft. along a broken SE. slope over ledges.
- 80.04 The corner of sections 25, 26, 35, and 36.  
Land, rough and broken mountain slopes; drainage, SE.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, shadscale, weeds, and grass.

North, on true line, between sections 29 and 26.

Over mountainous land, through scattering timber and a scant undergrowth, ascend 85 ft. along a SE. slope.

- 7.05 Spur projects SW., descend 95 ft. along a NW. slope.
- 15.50 Draw, drains N. 60° W., ascend 305 ft. along a SW. slope.
- 36.65 Spur, projects W., descend 75 ft. along a NW. slope.
- 40.00 Set an iron post, 30 ins. long, 2 1/2 ins. diameter, 24 ins. in the ground at the 1/4 section corner, with brass cap marked:



from which,

A pinon, 8 ins. in diameter, marked 1/4 S25BT, bears S. 43°30' E., 82 links distant.

A pinon, 6 ins. in diameter, marked 1/4 S26BT, bears N. 46°30' W., 5 links distant.

Descend 235 ft. along a NW. slope.

- 48.30 Draw, drains west about 6 chains to draw draining south, ascend 105 ft. along a SW. slope over ledges.
- 54.30 Rocky spur, projects S. 70° W., descend 105 ft. along a NW. slope.
- 66.20 Draw, drains S. 30° W., ascend along a SE. slope.
- 67.30 Recross draw, drains SE.
- 69.00 Recross draw, drains SW., ascend 175 ft. along a SE. slope.
- 79.32 Intersect the true point for the corner of sections 23, 24, 25, and 26, falling 24 links East of the witness corner, marked by an iron post, 2 ins. in diameter, conforming to the record of the 1945 resurvey.  
Land, rough, broken mountain slopes, drainage, SW.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, bitter brush, weeds, and grass.

## Chains

Re-establishment of the Surveys executed by Alfred B. Lewis,  
Deputy Surveyor in 1897

Beginning at the corner of sections 2, 3, 34, and 35 on the south  
boundary of the township:

Thence:

N. 0° 17' E., between sections 34 and 35.

Over mountainous land, through widely scattered timber and a scant  
undergrowth; ascend 85 ft. along a SE. slope.

- 3.50 Spur, projects E., descend 65 ft. along a NE. slope.
- 7.90 Draw, drains E., ascend 95 ft. along a SE. slope.
- 12.55 Spur, projects E., descend 55 ft. along a NE. slope.
- 15.60 Draw, drains S. 80° E., ascend 80 ft. along a SE. slope.
- 23.00 Spur, projects N. 80° E., descend 60 ft. over a N. slope.
- 30.20 Draw, drains E., ascend 105 ft. along a SE. slope.
- 37.55 Spur, projects E., descend 15 ft. over a N. slope.
- 39.65 The original  $\frac{1}{4}$  section corner, marked by a limestone rock, 13x11x5  
ins., firmly set in the ground and marked  $\frac{1}{4}$  on the west face,  
surrounded by a mound of stone:
- At the same point:
- Set an iron post, 3 ft. long, 1 in. diameter, 30 ins. in the ground  
at the  $\frac{1}{4}$  section corner of section 34 and for a witness  $\frac{1}{4}$  section  
corner of section 35, with brass cap marked:

WC  
 $\frac{1}{4}$   
S34 | S35  
1950

Deposit the original stone alongside the iron post.

-----

Thence:

N. 0° 03' W., beginning new measurement.

- 0.24 Point for the  $\frac{1}{4}$  section corner of section 35 falls upon steep clay  
slope on the south side of a draw, where the monument cannot be  
perpetuated. Descend 75 ft. over a steep N. slope.
- 1.10 Draw, drains E., ascend 95 ft. along a SE. slope. Ascend over a  
broken E. slope to the bench.
- 13.30 Draw, drains E.
- 23.50 Draw, drains E.
- 32.60 Rim of bench bears NE. and SW., continue ascent along a gentle W.  
slope across the top of the bench.
- 40.13 The original corner of sections 26, 27, 34, and 35, marked by a  
limestone rock, 14x12x10 ins., firmly set in the ground and marked  
with 2 notches on the east edge and one notch on the south edge,

## Dependent Resurvey of the Subdivision of T. 36 S., R. 2 W.

## Chains

from which

A juniper, 12 ins. in diameter, marked T36SR2WS26BT bears N. 50° 15' E., 51 links distant.

A juniper, 6 ins. in diameter, marked T36SR2WS35BT, bears S. 48° 30' E., 8 links distant.

A bitter brush, 5 ins. in diameter, with faint scribe marks showing, bears S. 69° 45' W., 31 links distant.

At the corner point:

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diameter, 24 ins. in the ground, with brass cap marked:

T36S	R2W
S27	S26
S34	S35

1950

Deposit the original stone alongside the iron post.

Land, rough mountain slopes, drainage, SE.

Soil, rocky clay loam, 3rd rate.

Timber, dwarf juniper and pinon.

Undergrowth, sagebrush, bitter brush, weeds, and grass.

N. 0° 04' E., between sections 26 and 27.

Over mountainous land, through scattering timber and a scant undergrowth; ascend 20 ft. along a gentle SW. slope on top of a bench.

- 6.90 North rim of bench, bears NE. and SW., descend abruptly over a NW. slope.
- 22.60 Wash, 15 links wide and 6 ft. deep, drains W. at the base of the abrupt slope, descend gradually along a NW. slope.
- 29.85 Leave timber, edge bears NE. and SW.
- 39.76 Proportionate distance: No trace of the original corner being found:  
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diameter, 28 ins. in the ground at the restored  $\frac{1}{4}$  section corner of section 27, with brass cap marked:

$\frac{1}{4}$ S27
-------------------

1950

Deposit broken glass at the base of the post.

- 40.00 Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diameter, 28 ins. in the ground at the  $\frac{1}{4}$  section corner of section 26, with brass cap marked:

$\frac{1}{4}$ S26
-------------------

1950

Deposit broken glass at the base of the post.

- 40.20 Graded road, bears NE. and SW.

## Dependent Resurvey of the Subdivision of T. 36 S., R. 2 W.

Chains	
45.00	Reenter timber, edge bears NE. and SW.
50.20	South bank of wash in Henderson Canyon about 5 ft. deep draining SW.
52.40	North bank of wash, ascend abruptly along a SW. slope.
53.20	Top of ledge about 15 ft. high bearing NE. and SW., continue ascent over broken SE. slope.
70.57	The original witness corner of sections 22, 23, 26, and 27, set at a point 9.00 chains S. $0^{\circ}19'$ W., of the true point for that corner, and marked by a sandstone rock projecting $1\frac{1}{2} \times 10 \times 5$ ins., above ground and in a mound of stone, and marked with two notches on the south and east edges and AP on the east face, witnessed as described in the official record.

-----

N.  $0^{\circ}19'$  E., beginning new measurement.

8.12 Witness cor. to cor. of secs. 22, 23, 26, and 27, an iron post, set marked and witnessed as described in the official record.

9.00 True point for the cor. of secs. 22, 23, 26, and 27.

Land, rough mountain slopes.

Soil, heavy clay loam, 3rd rate.

Timber, dwarf juniper and pinon.

Undergrowth, sagebrush, bitter brush, weeds and grass.

-----

Survey of the Subdivision of T. 36 S., R. 2 W.

Beginning at the corner of sections 25, 26, 35, and 36:

Thence:

S.  $89^{\circ} 50'$  W., between sections 26 and 35.

Over mountainous land, through scattering timber and a scant undergrowth; ascend 65 ft. along a SE. slope.

6.50 Spur, projects SW., descend 165 ft. along a NW. slope.

13.10 Draw, drains N., ascend 135 ft. over an E. slope.

20.20 Spur, projects N., descend 75 ft. along a NW. slope.

24.70 Draw, drains NW., ascend 45 ft. along a NE. slope.

29.80 Spur, projects N., descend 85 ft. along a SW. slope.

39.25 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 24 ins. in the ground to solid rock, and in a mound of stone for the witness  $\frac{1}{4}$  section corner, with brass cap marked:

S26

$\frac{1}{4}$  ———

S35

WC

1950

Deposit a sandstone rock,  $5 \times 4 \times 3$  ins., marked with a cross (X) at the base of the post.

39.98 Point for the  $\frac{1}{4}$  section corner falls upon steeply sloping clay bank, where the corner monument cannot be perpetuated.

## Survey of the Subdivision of T. 36 S., R. 2 W.

## Chains

- . 50.10 Draw, drains NW., continue descent.
- 50.96 Recross draw, drains SW.
- 52.35 Main draw, drains S.20° W., ascend 325 ft. along a broken SE. slope over ledges.
- 66.40 South rim of bench bears NE. and SW., descend along a gentle SW. slope.
- 79.96 The corner of sections 26, 27, 34, and 35.

Land, rough mountain slopes; drainage SW.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, shadscale, weeds and grass.

-----  
Subdivision of Section 36, T. 36 S., R. 2 W.  
-----

North-south Center Line of Section 36.

Beginning at the  $\frac{1}{4}$  section corner of sections 1 and 36.

Thence:

N. 0°04' E., along the north-south center line of section 36.

Over mountainous land, through scattering timber and a scant undergrowth, ascend along s SE. slope (135 ft.)

- 29.30 Head of draw draining S. 30° E., continue ascent.
- 32.45 Spur, projects S. 70° W., descend 85 ft. along a NE. slope.
- 40.00 At the intersection of the center lines of the section:

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 24 ins. in the ground to solid rock and in a mound of stone, at the center  $\frac{1}{4}$  section corner of section 36, with brass cap marked:

C  $\frac{1}{4}$   
+  
S36  
1950

Deposit a sandstone, 6x4x2 ins. marked with a cross (X) at the base of the post.

Descend 265 ft. along a general NE. slope.

- 51.00 Draw, drains W., ascend 15 ft. along a SW. slope.
- 55.00 Spur, projects W. about 3 chains to end; descend 95 ft. along a NW. slope.
- 60.00 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 22 ins. in the ground to solid rock, and in a mound of stone, at the center-north  $\frac{1}{16}$  section corner of section 36, with brass cap marked:

N  $\frac{1}{16}$   
C  
|  
S36  
C  
1950

Deposit a sandstone rock, 3x3x3 ins., marked with a cross (X) at the base of the post.

Descend 15 ft. along a NW. slope.

Subdivision of Section 36, T. 36 S., R. 2 W.

Chains

- 60.50 Left bank of wash about 15 ft. high and bearing N. 10° E., and SW. Continue in wash.
  - 65.25 Leave wash, bank bears NW. and S. 10° E.
  - 67.90 Old road, bears E. and W.
  - 68.60 Recross wash, drains SW., ascend 235 ft. along a SE. slope.
  - 79.00 Spur, projects E. about 1 chain, descend 10 ft. along NE. slope.
  - 80.00 The  $\frac{1}{4}$  section corner of sections 25 and 36.
- Land, rough mountain slopes.  
 Soil, heavy clay loam, 3rd rate.  
 Timber, dwarf juniper and pinon.  
 Undergrowth, sagebrush, shadscale, weeds, and grass.

-----  
 East-West Center Line of Section 36.

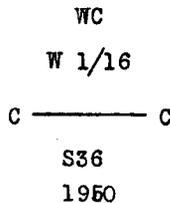
Beginning at the  $\frac{1}{4}$  section corner of sections 35 and 36:

Thence:

N. 89°55' E. on the east-west center line of section 36.

Over mountainous land, through scattering timber and a scant undergrowth.

- 3.00 Spur, projects S. 80° E., descend 165 ft. along a SE. slope.
  - 19.08 On the west bank of a wash draining SW.
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diameter, 28 ins. in the ground, for the witness center west 1/16 section corner of section 36, with brass cap marked:



Deposit broken glass at the base of the post.

- 19.99 Point for the center west 1/16 section corner falls on steep clay bank of wash.
- 20.30 Wash, 50 links wide and 15 ft. deep, drains SW., ascend 205 ft. along a steep NW., slope over ledges.
- 35.40 Spur, projects N. 10° W., descend 75 ft. along a steep NE. slope over ledges.
- 39.98 The center  $\frac{1}{4}$  section corner of section 36.  
 Descend 25 ft. along a NE. slope.
- 45.00 Draw, drains N., ascend 145 ft. along a SW. slope over ledges.
- 64.00 Spur, projects S. 70° W., from NE., descend 165 ft. along a SE. slope over ledges.
- 79.99 The true point for the  $\frac{1}{4}$  section corner of sections 31 and 36.

## Subdivision of Section 36, T. 36 S., R. 2 W.

Chains

Land, rough mountain slopes.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, weeds and grass.

-----  
North-south Center line NW $\frac{1}{4}$  Section 36.

Beginning at the true point for the center west 1/16 section corner of section 36:

Thence:

N. 0° 02' E., along the north-south center line of NW $\frac{1}{4}$  section 36.

Over mountainous land, through scattering timber and a scant undergrowth; across the bottom of a wash.

- .40 North bank of wash about 15 ft. high and bearing NE. and SW., ascend 105 ft. along a SE. slope.
- 13.60 Spur, projects E. about 5 chains to end, descend 95 ft. along a NE. slope.
- 18.50 Small draw, drains E., ascend 65 ft. along a NE. slope.
- 20.00 At the intersection of the center lines of the north-west quarter of section 36, on a small spur, projecting E.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diameter, 20 ins. in the ground to solid rock, and in a mound of stone, at the NW. 1/16 sec. cor., sec. 36, with brass cap marked:

NW 1/16

+

S36

1950

Deposit a sandstone rock, 6x4x2 ins., marked with a cross (X) at the base of the post.

Descend 45 ft. along a NE. slope.

- 23.50 Draw, drains SE., ascend 15 ft. along a S. slope.
- 35.20 Spur, projects SE., descend 35 ft. along a NE. slope.
- 40.00 True point for the W 1/16 section cor. secs. 25 and 36.

Land, rough and broken mountain slopes.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, weeds, and grass.

-----  
East-west Center Line of the North-west Quarter of section 36.

Beginning at the north 1/16 section corner of sections 35 and 36:

Thence:

N. 89° 55' E., along the east-west center line of the northwest quarter of section 36:

Over mountainous land, through scattering timber and a scant undergrowth; descend 95 ft. along a broken E. slope.

## Chains

- 13.00 Head of small draw draining NE., ascend 15 ft. along a NW. slope.
- 20.00 On top of a small spur projecting E., the NW 1/16 section corner of section 36.  
Descend 85 ft. over an E. slope.
- 23.50 Wash, 15 links wide and 10 ft. deep, drains SE.
- 27.00 Wash, 30 links wide and 20 ft. deep, drains S. 10° E.
- 38.90 Main wash, 50 links wide and 15 ft. deep, drains SW.
- 40.00 The center-north 1/16 section corner of section 36.  
Land, rough and broken mountain slopes.  
Soil, heavy clay loam, 3rd rate.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, weeds, and grass.

## GENERAL DESCRIPTION

The land in the three sections now being surveyed is in the rough mountainous land about five miles north of Henrieville, Utah. The country is very rough and broken by box canyons and sandstone ledges. The drainage is southwesterly into Henderson and Henrieville canyons. The only water is a small stream in an unnamed canyon flowing through the north and west parts of Section 36. The timber is mainly dwarf juniper and pinon pine with a few scattered long leaf pine on the higher benches. The undergrowth consists of sagebrush, shadscale, weeds and grass. The entire area has been badly overgrazed. The soil is a heavy clay loam, poor in character.

Coal veins and indications of coal are found throughout the entire area. The beds varying in thickness from a few inches to twenty five feet or more. Some of the veins have been worked in the past.



**CERTIFICATE OF CADASTRAL ENGINEER**

I, Robert C. Yundt, Cadastral Engineer, supplemental, **HEREBY CERTIFY** upon honor that, in pursuance of/special instructions bearing date of the 15th day of July, 1946,

I have dependently resurveyed the east two miles of the south boundary and portions of the subdivisional lines, and surveyed the south mile of the east boundary and portions of the subdivisional lines and subdivided the north-west quarter of section 36, Township 36 South, Range 2 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 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, January 23, 1951

*Robert C. Yundt*  
 Robert C. Yundt  
 Cadastral Engineer

**CERTIFICATE OF APPROVAL**

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAR 8 1951, 19

The foregoing field notes of the dependent resurvey of the east two miles of the south boundary and portions of the subdivision, and the survey of the south mile of the east boundary, portions of the subdivision and the subdivision of the northwest quarter of Section 36, Township 36 South, Range 2 West, Salt Lake Meridian, Utah executed by Robert C. Yundt, Cadastral Engineer having been critically examined and found correct, are hereby approved.

*Earl G. Harrington*  
 Chief, Division of Cadastral Engineering

**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

# FIELD NOTES

OF THE

EXTENSION SURVEY OF THE SUBDIVISION AND SUBDIVISION OF SECTION 23.

T. 36 S., R. 2 W.,

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Elliot Bird, Cadastral Engineer

Andrew Nelson, Cadastral Engineer

and supplemental special instructions dated July 3, 1940  
under special instructions dated September 21, 1939/, which provided

for the surveys included under Group No. 310, bearing the approval of the

Commissioner of the General Land Office under date of Nov. 3, 1939 and  
October 10, 1940.

supplemental  
and assignment instructions dated September 5, 1942.

Survey commenced August 31, 1945.

Survey completed September 24, 1945.

# INDEX DIAGRAM.

Township 36 South, Range 2 West

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

1624

The extension survey in T. 36 S., R. 2 W., Salt Lake Meridian, Utah, was commenced August 31, 1945, and executed with Buff and Buff transits Nos. 18003 and 23831, used by Elliot Bird and Andrew Nelson respectively. Both instruments are equipped with Smith solar attachments and have full vertical circles. The horizontal limb of each 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 supplemental assignment instructions dated September 5, 1942.

The direction 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.

This survey was made in order to locate a coal prospect located in sec. 5, and for the purpose of segregating coal leasing unit No. 1292, Utah No. 186, in sec. 23. A degree of accuracy was attained in this survey to make it conform to the requirements of a mineral survey.

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 PORTION SUBDIVISION, T. 36 S., R. 2 W.

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

The cor. of secs. 16, 17, 20, and 21, is marked by the original cor. monument, a sandstone, 20 x 6 x 4 ins., loosely set and properly marked, with no accessories.

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

T36S	R2W
S17	S16
S20	S21

1945

Raise a small mound of stone around the cor. monument.

From this cor., the  $\frac{1}{4}$  sec. cor. secs. 20 and 21, bears S.  $0^{\circ}05'$  E., 39.94 chs. dist. The  $\frac{1}{4}$  sec. cor. is marked by the original cor. monument, a sandstone, 12 x 8 x 6 ins., loosely set in a small mound of stone and properly marked.

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

## DEPENDENT RESURVEY. PORTION SUBDIVISION, T. 36 S., R. 2 W.

Chains

$$\begin{array}{c} \uparrow \\ S20 \mid S21 \end{array}$$

1945

Raise a small mound of stone around the cor. monument.

Thence:

From the cor. of secs. 16, 17, 20, and 21.

West, bet. secs. 17 and 20.

Descend gradual NW. slope of rolling blue shale and clay hills, through very scattered undergrowth of shadscale and weeds.

- 3.90 Low spur, slopes NW.
- 6:40 Shallow ravine, drains NW.
- 14.50 Low spur, slopes N.
- 30.50 Mouth of shallow draw, drains NW. from the SE.; thence over rolling bottom lands of North Canyon.
- 40.00 The  $\frac{1}{4}$  sec. cor. of secs. 17 and 20, marked by the original cor. monument, a sandstone 20x12x3 ins., loosely set and properly marked, with no accessories.

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

$$\frac{S17}{\frac{1}{4}}$$

S20

1945

Raise a small mound of stone around the cor. monument.

Thence:

West, bet. secs. 17, and 20, with new measurement.

- 1.00 Wash, 70 lks. wide, 50 ft. deep, drains SW.
- 27.70 Large wash in bottom of North Canyon, 2.00 chs. wide, 10 ft. deep, 80 ft. above sec. cor., drains S. 20° E.; continue over bottom lands of North Canyon.
- 29.50 Dim road, bears N. 20° W. and S. 20° E.
- 34.00 Leave bottom lands of North Canyon and ascend steep E. slope, bears N. 20° W. and S. 20° E.
- 40.00 The cor. of secs. 17, 18, 19, and 20, marked by the original monument, a sandstone 20 x 12 x 6 ins., properly marked and firmly set, with no accessories.

On steep E. slope, 100 ft. above wash in North Canyon.

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

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 36 S.. R. 2 W.

Chains

T36S	R2W
S18	S19
S19	S20

1945

Raise a mound of stone, 5 ft. base, 1 ft. high, around the cor. monument.

Land, rolling clay and shale hills, with a general easterly and northwesterly exposure and drainage.

Soil, deep blue clay and shale; 4th rate.

No timber.

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

Fair winter grazing land.

SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

From the cor. of secs. 16, 17, 20, and 21.

N. 0°01' E., bet. secs. 16 and 17.

Descend gradual NW. slope of blue clay and shale hills, through very scattered undergrowth.

17.00 Wash, 40 lks. wide, 10 ft. deep, 40 ft. below cor., drains SW.; ascend E. slope of high timbered bench to the N.

39.50 Top of vertical sandstone rim, 75 ft. high, bears N. 65°E. and S. 75° W.; enter medium dense juniper and pinon timber, bears with rim; continue ascent.

40.00 On steep S. slope, 410 ft. above wash; point for the  $\frac{1}{4}$  sec. cor. secs. 16 and 17.

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

$\frac{1}{4}$

S17	S16
-----	-----

1945

From which

A pinon, 6 ins. diam., bears N. 64° E., 90 lks. dist., marked  $\frac{1}{4}$  S16 BT.

A pinon, 10 ins. diam., bears N. 56° W., 46 lks. dist., marked  $\frac{1}{4}$  S17 BT.

Thence ascend gradually over S. slope.

49.20 Top of ascent, 30 ft. above cor., bears NE. and SW.; descend gradually over general N. slope.

70.85 Forest Service drift fence, bears E. and W.

78.00 Rocky draw, 90 ft. below top of ascent, drains SW., about 7.00 chs. dist. to cove in rim of bench.

80.00 Point for the cor. of secs. 8, 9, 16, and 17, on general S. slope, 10 ft. above draw.

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

SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

Chains

T36S	R2W
S8	S9
S17	S16

1945

From which

A pinon, 5 ins. in diam., bears N. 11°45' E., 114 lks. dist., marked T36S R2W S9 BT.

A pinon, 10 ins. in diam., bears S. 31° E., 69 lks. dist., marked T36S R2W S16 BT.

A pinon, 6 ins. in diam., bears S. 1°45' W., 156 lks. dist., marked T36S R2W S17 BT.

A pinon, 10 ins. in diam., bears N. 82°30' W., 70 lks. dist., marked T36S R2W S8 BT.

Land, broken top of bench and rolling clay and shale hills. Soil, shallow sand, clay and rock on bench and deep clay and shale on rolling hills; 4th rate. Timber, juniper and pinon on N. portion of mile. Undergrowth, shadscale, rabbit and black brush, weeds, and grass. Fair winter grazing land.

N. 0°01' E., bet. secs. 8 and 9.

Ascend steep ledgy SW. slope of bench land, through medium dense timber and scattered undergrowth.

- 7.70 Top of S. rim of pink sandstone ledges, 120 ft. above cor. bears NW. and SE.
  - 12.70 Top of N. rim of ledges, bears NW. and SE.; descend abruptly over general N. slope.
  - 31.30 Rocky gulch, drains N. 20° E.; continue descent.
  - 40.00 Point for the  $\frac{1}{4}$  sec. cor. secs. 8 and 9; on gradual N. slope, 430 ft. below rim.
- Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and mound of stone, with brass cap marked

$\frac{1}{4}$	
S8	S9
1945	

From which

A pinon, 12 ins. in diam., bears N. 23°30' E., 143 lks. dist., marked  $\frac{1}{4}$  S9 BT.

A juniper, 10 ins. in diam., bears S. 84° W., 87 lks. dist., marked  $\frac{1}{4}$  S8 BT.

- 43.60 Wash, 50 lks. wide, 10 ft. deep, 30 ft. below the  $\frac{1}{4}$  sec. cor., in bottom of Paradise Canyon, drains W.; thence over bottom lands of canyon.
- 46.00 Leave bottom lands of canyon and ascend abrupt ledgy SE. slope.

## SUBDIVISION OF A PORTION T. 36 S., R. 2 W.

Chains

- 54.80 Surface indication of a large vein of coal, bears NE. and SW.
- 70.20 Ridge, 790 ft. above Paradise Canyon, bears SW. and N.80°E.; descend gradually along ledgy NW. slope.
- 80.00 Point for the cor. of secs. 4, 5, 8, and 9; on ledgy NW. slope, 160 ft. below ridge.

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

T36S	R2W
S5	S4
S8	S9

1945

From which

A pinon, 4 ins. in diam., bears N. 77°30' E., 61 lks. dist., marked BT.

A Douglas fir, 16 ins. in diam., bears S. 82°30' E., 60 lks. dist., marked T36S R2W S9 BT.

A pinon, 10 ins. in diam., bears S. 32°30' W., 8 lks. dist., marked T36S R2W S8 BT.

A Douglas fir, 8 ins. in diam., bears N. 46°30' W., 44 lks. dist., marked T36S R2W S5 BT.

Land, broken by sandstone rims and ledges, with a general southwesterly exposure and drainage.

Soil, shallow clay, sand, and rock; 4th rate.

Timber, juniper, pinon, and a few scattered Douglas fir.

Undergrowth, shadscale, silver leaf, sage, and rabbit brush.

Fair winter grazing land.

From the cor. of secs. 17, 18, 19, and 20.

N. 0°01' E., bet. secs. 17 and 18.

Descend gradual E. slope of rolling land, through scattered juniper timber and undergrowth of shadscale and sagebrush.

13.75 Forest Service drift fence, bears N. 70°28' E. and S.70°28' W.

25.70 Bend in dry channel of North Canyon, 2.00 chs. wide, 10 ft. deep, 140 ft. below cor., drains SE. from N. 20° E.; thence ascend gradually over rolling bottom lands of canyon.

28.40 A lone cottonwood tree, 30 ins. in diam., bears West, 25 lks. dist.

38.00 Recross dry channel of North Creek, 250 lks. wide, 10 ft. deep, drains E.

40.00 Point for the  $\frac{1}{4}$  sec. cor. secs. 17 and 18; in bottom lands of North Creek.

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

SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

Chains

1/4  
S18 | S17  
1945

From which

A juniper, 8 ins. in diam., bears N. 4°08' E., 4.68 chs. dist., marked 1/4 S17 BT.

A juniper, 10 ins. in diam., bears N. 48°15' W., 4.56 chs. dist., marked 1/4 S18 BT.

From this cor., the junction of Left Fork North Canyon with main fork North Canyon, bears N. 48°15' W., 2.50 chs. dist.

September 13, 1945; stationed at the 1/4 sec. cor. secs. 17 and 18, in approximate latitude 37°40' N., longitude 112°02' W., at 2h 25m 14s p.m., correct 105th meridian standard war time, with instrument No. 18003, we 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 on line about 50 chains to the north, in a counter clockwise direction to the star.

Local mean time of observation..... Oh 57.1m p.  
Mean horizontal deflection angle..... 0°26'30"  
Azimuth of Polaris..... 0°25'30" W.  
True bearing to flag..... N. 0°01' E.

- 44.00 Recross main wash in bottom of North Canyon, 2.00 chs. wide, 10 ft. deep, drains W. from the NE.
- 45.00 Leave bottom lands of canyon and ascend gradual SE. slope of broken hills, bears NE. and SW.
- 70.00 Ascent becomes abrupt, bears NE. and SW.
- 72.90 Forest Service drift fence, bears N. 77° W. and S. 77° E.
- 80.00 Point for the cor. of secs. 7, 8, 17, and 18; on abrupt SE. slope, 180 ft. above the 1/4 sec. cor.

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground and a large mound of stone, with brass cap marked.

T36S | R2W  
E7 | S8  
S18 | S17

1945

No bearing trees available.

Land, rolling bottom lands of North Canyon and broken clay and shale hills.  
Soil, deep sand and clay in bottom lands and shallow shale and clay in hills; 3rd and 4th rates.  
Timber, a few scattered scrub juniper.  
Undergrowth, shadscale, sage and rabbit brush.  
Fair winter grazing land.

East, on random line, bet. secs. 8 and 17.

- 40.00 Set temp. 1/4 sec. cor.

## SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

## Chains

79.98 Intersect the cor. of secs. 8, 9, 16, and 17.

Thence:

West, on true line, bet. secs. 8 and 17.

Over broken top of bench land, through medium dense timber and scattered undergrowth.

24.00 Low rise, bears N. and S.

38.00 Top of W. rim of bench at head of cove, a vertical sandstone ledge, 50 ft. high, bears NW. and SW.; descend abruptly over general W. breaks of bench.

39.99 Point for the  $\frac{1}{4}$  sec. cor. of secs. 8 and 17; on general W. slope, 1.50 chs. W. of base of ledge and 75 ft. below top of rim.

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

$$\begin{array}{r} S8 \\ \frac{1}{4} \text{---} \\ S17 \\ 1945 \end{array}$$

From which:

A pinon, 10 ins. in diam., bears N.  $41^{\circ}45'$  E., 60 lks. dist., marked  $\frac{1}{4}$  S8 BT.

A pinon, 10 ins. in diam., bears S.  $54^{\circ}15'$  W., 156 lks. dist., marked  $\frac{1}{4}$  S17 BT.

45.00 Leave timber, bears N. and S.

50.00 Descent becomes gradual, bears N. and S.

66.20 Wash, 1.50 chs. wide, 10 ft. deep, 240 ft. below the  $\frac{1}{4}$  sec. cor., in bottom of North Canyon, drains S.; ascend abruptly over broken clay and shale hills.

79.98 The cor. of secs. 7, 8, 17, and 18, 150 ft. above bottom of canyon.

Land, broken clay and shale hills and sandstone rims.

Soil, shallow sand and blue clay, with a rocky surface;  $\frac{1}{4}$ th rate.

Timber, scrub juniper and pinon on E. portion of mile.

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

Fair winter grazing land.

N.  $0^{\circ}01'$  E., bet. secs. 7 and 8.

Ascend abruptly over nearly inaccessible SE. face of sandstone breaks, through scattered undergrowth.

6.50 Top of vertical sandstone rim at E. side of high bench, 150 ft. above cor., bears NE., and SW. about 10.00 chs. dist. to the S. point of bench; thence over broken top of bench through medium dense timber.

40.00 Point for the  $\frac{1}{4}$  sec. cor. secs. 7 and 8; 60 lks. W. of vertical E. rim of bench.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in

SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

Chains

the ground to solid rock and in a large mound of stone, with brass cap marked

$\frac{1}{4}$   
 S7 | S8  
 1945

From which

A juniper, 5 ins. in diam., bears S. 88° W., 30 lks. dist., marked  $\frac{1}{4}$  S7 BT.

No other suitable bearing tree available.

Continue along top of bench near vertical E. rim of same.

- 55.00 Top of abrupt descent over vertical E. rim of bench, bears N. 5° W. and S. 5° E.
- 58.50 Wash, 1.50 chs. wide, 10 ft. deep, in bottom of North Canyon, 110 ft. below top of rim, drains SE.; small intermittent stream of good water in bottom of wash; thence over bottom lands of canyon.
- 64.00 Bend in bottom of same wash, drains SW. from the NW.; ascend broken S. slope of blue clay and shale hills.
- 70.00 Blue clay and shale spur, 80 ft. above wash, projects S. 80° W.; descend gradually along general W. slope.
- 80.00 Point for the cor. of secs. 5, 6, 7, and 8, on small clay and shale spur, 40 ft. below last spur.

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

T36S	R2W
S6	S5
S7	S8

 1945

From which:

A pinon, 18 ins. in diam., bears N. 46°45' E., 120 lks. dist., marked T36S R2W S5 BT.

A pinon, 18 ins. in diam., bears S. 68°30' E., 272 lks. dist., marked T36S R2W S8 BT.

A pinon, 16 ins. in diam., bears S. 81°30' W., 209 lks. dist., marked T36S R2W S7 BT.

A yellow pine, 24 ins. in diam., bears N. 10°30' W., 395 lks. dist., marked T36S R2W S6 BT.

Land, broken by sandstone rims and ledges.  
 Soil, shallow sand, clay, and shale, with a rocky surface; 4th rate.  
 Timber, juniper and pinon with a few scattered yellow pine  
 Undergrowth, shadscale, sage, oak, and service berry brush  
 weeds, and browse.  
 Fair winter grazing land.

## SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

Chains

East, on random line, bet. secs. 5 and 8.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.95 Intersect the N. and S. line, 5 lks. N. of the cor. of secs. 4, 5, 8, and 9.

Thence:

N.  $89^{\circ}58'$  W., on true line, bet. secs. 5 and 8.

Descend abrupt ledgy NW. and W. slopes of high mountainous land, through scattered timber and undergrowth.

16.80 Small stream of good water in wash, 150 lks. wide, 15 ft. deep, in bottom of fork of North Canyon, 580 ft. below cor., flows S.; thence across bottom lands of canyon through very dense tall oak.

17.59 From this point, the center of the entrance to an old coal prospect hole, bears North, 7.15 chs. dist.

24.10 Leave dense oak and bottom lands of canyon and ascend abrupt ledgy SE. and E. slopes.

36.70 Surface outcroppings of a large vein of coal, bear NE. and SW.

39.98 Point for the  $\frac{1}{4}$  sec. cor. secs. 5 and 8; on steep ledgy E. slope, 340 ft. above stream.

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

$$\begin{array}{r} S5 \\ \hline S8 \end{array}$$

1945

From which:

A pinon, 6 ins. in diam., bears S.  $35^{\circ}$  W., 49 lks. dist., marked  $\frac{1}{4}$  S8 FT.

No other suitable bearing tree available.

41.00 Top of small sandstone ledge, 10 ft. high, bears N. and S.

42.40 Blue clay and shale spur, slopes SE.; continue ascent.

52.60 Top of main spur, 290 ft. above the  $\frac{1}{4}$  sec. cor., projects S.  $20^{\circ}$  W.; descend very abrupt ledgy W. and NW. slopes.

64.50 Surface outcroppings of a large vein of coal, bear NE. and SW.

79.96 The cor. of secs. 5, 6, 7, and 8, 650 ft. below spur.

Land, very rough and broken.

Soil, shallow clay, shale, and sand, with a rocky surface; 4th rate.

Timber, scrub juniper and pinon with scattered yellow pine and Douglas fir.

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

Fair winter grazing land.

Chains

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

The true position for the cor. of secs. 22, 23, 26, and 27, was determined by right angle offsets from points determined by record courses and distances from the witness cor. to the cor. of secs. 22, 23, 26, and 27, reported as being set S. 0°03' W., 9.00 chs. dist. from its true position and from the  $\frac{1}{4}$  sec. cor. secs. 22 and 27. No trace of the witness cor. to the cor. of secs. 22, 23, 26, and 27, which was reported as set on line bet. secs. 22 and 27, 19.00 chs. west of the true cor. point, could be found.

From the true point for the cor. of secs. 22, 23, 26, and 27, the witness cor. to the cor. of said secs. bears S. 0°19' W., 9.00 chs. dist. Cor. is marked by a sandstone 18 x 16 x 8 ins., firmly set and properly marked and witnessed by 40 bearing trees as follows

A pinon, 8 ins. in diam., bears N. 13°30' E., 28 lks. dist., marked T36S R2W S23 WC BT. I change the S23 to S27.

A pinon, 12 ins. diam., bears S. 5° E., 28 lks. dist., marked T36S R2W S26 WC:BT.

A pinon limb, 6 ins. in diam., bears N. 76° W., 70 lks. dist., marked T36S R2W S22 WC:BT. I change the S22 to S27.

A pinon, 8 ins. in diam., bears N. 6° W., 53 lks. dist., marked T36S R2W S22 WC BT. I change the S22 to S27.

As this cor. now becomes an angle point, I mark the N. face of the stone "AP"

From the true point for the cor. of secs. 22, 23, 26, and 27, the  $\frac{1}{4}$  sec. cor. of secs. 22 and 27, bears N. 89°15' W. 40.00 chs. dist. Cor. is marked by a sandstone, 12 x 8 x 8 ins., firmly set and properly marked, with no accessories.

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

S22  
 $\frac{1}{4}$   
S27  
  
1945

The established point for the cor. of secs. 22, 23, 26, and 27, falls on steep face of sandstone ledge, where it is impracticable to set a mon., therefore at a point, S. 0°19' W., 88 lks. dist. from the true cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to solid rock and in a large mound of stone, to mark the point for the witness cor. to the cor. of secs. 22, 23, 26, and 27, with brass cap marked

W C  
T36S R2W  
S22 S23  
S27 S26  
  
1945

From which:

A pinon, 10 ins. in diam., bears N. 29° E., 139 lks. dist., marked WC T36S R2W S23 BT.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 36 S., R. 2 W.

Chains

A pinon; 14 ins. in diam., bears S. 3° W., 50 lks. dist., marked WC T36S R2W S27 BT.

No other bearing trees available.

Thence, from the true point for cor.

S. 89°51' E., bet. secs. 23 and 26.

Over top of high spur rimmed with vertical sandstone ledges projecting S. 35° W. from N. 35° E., through medium dense timber and scattered undergrowth.

1.50 Vertical sandstone rim, 50 ft. high, faces SE. and bears N. 35° E. and S. 35° W.; descend abrupt SE. slope.

20.50 The W. bank of Henderson Wash, 5 ft. high, 300 ft. below point for cor., bears NE. and SW.; thence across dry bottom of wash which drains SW.

22.70 The E. bank of wash; bears NE. and SW.

32.00 Spur, 110 ft. above wash, projects SW.; descend broken SE. slope.

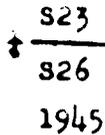
39.80 The 1/4 sec. cor. of secs. 23 and 26, marked by the original cor. monument, a sandstone, 12 x 14 x 6 ins., firmly set, properly marked, and witnessed by two bearing trees as follows.

A pinon, 14 ins. in diam., bears N. 45° E., 15 lks. dist., marked 1/4 S23 BT.

A pinon, 14 ins. in diam., bears S. 75° E., 39 lks. dist., marked 1/4 S26 BT.

At the cor. point:

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



Thence, East, bet. secs. 23 and 26, on an independent resurvey, superseding surveys executed by Alfred B. Lewis, U.S. Deputy Surveyor, in 1897.

.60 Wash, 20 lks. wide, 3 ft. deep, drains S. 90° W.; thence over bottom lands of wide canyon.

2.00 Wash, 40 lks. wide, 5 ft. deep, drains S. 90° W.

6.90 Unimproved road, bears NE. to sawmill, and SW. to Tropic, Utah.

15.00 Leave bottom lands of canyon and ascend abrupt W. slope, bears N. and S.

20.00 Record course and distance; find no trace of the cor. monument marking the witness cor. to the cor. of secs. 23, 24, 25, and 26.

30.10 Top of W. rim of flat topped ridge, 510 ft. above the 1/4 sec. cor., bears NE. and SW.

32.50 Top of E. rim of ridge, bears NE. and SW.; descend abrupt ledgy SE. slope.

39.76 Point for the witness cor. to the cor. of secs. 23, 24, 25, and 26; on abrupt SE. slope, 240 ft. below top of ridge.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 36 S., R. 2 W.

Chains

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

T36S	R2W	
S23	S24	
S26	S25	WC

1945

From which:

A pinon, 6 ins. in diam., bears N. 11°15' E., 226 lks. dist., marked WC T36S R2W S24 BT.

A pinon, 10 ins. in diam., bears S. 36°30' E., 132 lks. dist., marked WC T36S R2W S25 BT.

A pinon, 12 ins. in diam., bears S. 28°15' W., 35 lks. dist., marked WC T36S R2W S26 BT.

A pinon, 10 ins. in diam., bears N. 15° W., 157 lks. dist., marked WC T36S R2W S23 BT.

80.00 True point for the cor. of secs. 23, 24, 25, and 26, falls on E. face of ledge, 50 ft. high, where it is impossible to set a monument.

Land, broken clay and shale breaks and sandstone rims. Soil, shallow clay and shale, with a rocky surface; 4th rate. Timber, scrub juniper and pinon. Undergrowth, shadscale, sage and rabbit brush, browse, and weeds. Fair winter grazing land.

From the true point for the cor. of secs. 23, 24, 25, and 26.

N. 0°03' E., bet. secs. 23 and 24.

Ascend steep ledgy SE. slope of broken mountainous land, through medium dense scrub timber and scattered short undergrowth.

20.40 Ridge, 200 ft. above point for cor., bears NE. and SW.; descend gradually along steep W. slope.

33.70 Slope changes from a steep W. slope to a steep NW. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. secs. 23 and 24; on steep NW. slope, 220 ft. below top of ridge.

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

	$\frac{1}{4}$	
S23		S24

1945

From which:

A pinon, 8 ins. in diam., bears S. 88°30' E., 24 lks. dist., marked  $\frac{1}{4}$  S24 BT.

A pinon, 10 ins. in diam., bears N. 52° W., 112 lks. dist., marked  $\frac{1}{4}$  S23 BT.

From this cor., the witness cor. to the  $\frac{1}{4}$  sec. cor. secs.

## SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

## Chains

23 and 24, bears S.  $88^{\circ}58'$  W., 3.35 chs. dist. Cor. is marked by the original cor. monument, a sandstone, 18 x 12 x 4 ins., firmly set and properly marked and witnessed as described in the official record. I efface the marks on the cor. monument and bearing trees.

Continue N.  $0^{\circ}03'$  E., bet. secs. 23 and 24, with original survey of a portion of the subdivision.

- 48.80 Unimproved road at base of abrupt descent, on S. bank of large dry wash in bottom of Henderson Canyon, 130 ft. below the  $\frac{1}{2}$  sec. cor., bears NE. to saw mill and SW. to Tropic; thence across wash draining SW.
- 55.80 Top of N. bank of wash, 10 ft. high, bears NE. and SW.; continue across bottom lands of Henderson Canyon, through dense timber.
- 61.00 Electric power line, bears N.  $59^{\circ}40'$  E. to Escalante, Ut. and S.  $59^{\circ}40'$  W. to Tropic.
- 67.00 Leave bottom lands of Henderson Canyon and ascend steep S. slope of mountainous land, bears NE. and SW.
- 73.80 Ridge, 160 ft. above wash in Henderson Canyon, bears NE. and SW.; descend abrupt NW. slope.
- 80.00 Point for the cor. of secs. 13, 14, 23, and 24; at base of abrupt descent from ridge, 160 ft. below top.
- Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground and a large mound of stone, with brass cap marked

T36S	R2W
S14	S13
S23	S24

1945

## From which:

A pinon, 14 ins. in diam., bears N.  $41^{\circ}30'$  E., 70 lks. dist., marked T36S R2W S13 BT.

A pinon, 5 ins. in diam., bears S.  $79^{\circ}30'$  E., 34 lks. dist., marked T36S R2W S24 BT.

A pinon, 12 ins. in diam., bears S.  $66^{\circ}$  W., 94 lks. dist., marked T36S R2W S23 BT.

A pinon, 12 ins. in diam., bears N.  $68^{\circ}$  W., 44 lks. dist., marked T36S R2W S14 BT.

Land, broken and mountainous with a general westerly exposure and drainage.

Soil, shallow clay and shale with a rocky surface; 4th rate.

Timber, scrub juniper and pinon.

Undergrowth, shadscale, greasewood, sage and rabbit brush. Fair winter grazing land.

From the true point for the cor. of secs. 22, 23, 26, and 27, which is N.  $0^{\circ}19'$  E., 88 lks. dist. from the witness cor. to the cor. of said secs.

N.  $0^{\circ}03'$  E., bet. secs. 22 and 23.

## SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

## Chains

- Descend abrupt NW. face of high sandstone rim, through medium dense timber and scattered undergrowth.
- 10.50 Rocky gulch, 320 ft. below true point for cor., drains N. 30° E.; thence descend gradually along broken NE. slope.
- 22.30 Wash, 50 lks. wide, 5 ft. deep, drains W.
- 26.80 Wash, 60 lks. wide, 10 ft. deep, in bottom of canyon, 20 ft. below gulch, drains SW.; ascend gradually along bottom lands of canyon.
- 30.40 Electric power line, bears N. 48°06' E. to Escalante and S. 48°06' W. to Tropic.
- 30.60 Unimproved road to coal mine, bears NE. and SW.
- 34.00 Leave bottom lands of canyon and ascend abrupt ledgy SE. slope, bears NE. and SW.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. secs. 22 and 23; on top of sandstone rim, 20 ft. high and 140 ft. above bottom of canyon, bears NE. and SW.
- Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in a hole drilled in the surface rock and in a large mound of stone, with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ | \\ \text{S22} \quad | \quad \text{S23} \\ | \\ 1945 \end{array}$$

## From which

- A pinon, 16 ins. in diam., bears N. 23° E., 147 lks. dist., marked  $\frac{1}{4}$  S23 BT.
- A pinon, 10 ins. in diam., bears S. 57°30' W., 37 lks. dist., marked  $\frac{1}{4}$  S22 BT.
- 52.70 Blue clay and shale spur, slopes SE.; ascend along steep ledgy E. slope.
- 57.30 Top of sandstone rim, 80 ft. high and 270 ft. above the  $\frac{1}{4}$  sec. cor., bears N. 10° E. and SW.; thence ascend gradually along E. slope.
- 60.00 Point for the N. 1/16 sec. cor. secs. 22 and 23.
- Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

$$\begin{array}{c} \text{N } 1/16 \\ | \\ \text{S22} \quad | \quad \text{S23} \\ | \\ 1945 \end{array}$$

## From which:

- A pinon, 12 ins. in diam., bears N. 27° E., 43 lks. dist., marked N 1/16 S23 BT.
- A pinon, 12 ins. in diam., bears N. 35° W., 72 lks. dist., marked N 1/16 S22 BT.
- 62.00 Small gulch, drains E. from the NW.

SUBDIVISION OF A PORTION T. 36 S., R. 2 W.

Chains

- 68.70 Spur, slopes S. 20° W. from the N.; thence ascend gradually along top of spur.
- 72.50 Leave top of spur, slopes S. from N. 20° W.; thence along gradual E. slope.
- 80.00 Point for the cor. of secs. 14, 15, 22, and 23; on gradual E. slope, 250 ft. above sandstone rim.

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

T36S	R2W
S15	S14
S22	S23

1945

From which:

A pinon, 6 ins. in diam., bears N. 64° E., 44 lks. dist., marked T36S R2W S14 BT.

A pinon, 18 ins. in diam., bears S. 9°30' E., 16 lks. dist., marked T36S R2W S23 BT.

A pinon, 11 ins. in diam., bears S. 39° W., 20 lks. dist., marked T36S R2W S22 BT.

A pinon, 14 ins. in diam., bears N. 18° W., 61 lks. dist., marked T36S R2W S15 BT.

Land, broken by sandstone rims and ledges with a general easterly and southeasterly exposure and drainage. Soil, shallow clay and shale, with a rocky surface; 4th rate.

Timber, scrub juniper and pinon. Undergrowth, shadscale, sage and rabbit brush, browse, and weeds. Fair winter grazing land.

East, on random line, bet. secs. 14 and 23.

20.00 Set temp. W. 1/16 sec. cor. secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

79.76 Intersect the N. and S. line, 16 lks. N. of the cor. of secs. 13, 14, 23, and 24.

Thence:

N. 89°53' W., on true line, bet. secs. 14 and 23.

Across bottom lands of canyon, through dense timber and scattered undergrowth.

3.00 Wash, 50 lks. wide, 5 ft. deep, in bottom of canyon, drains SW.; continue across bottom lands of canyon.

7.10 Leave bottom lands of canyon and ascend abrupt ledgy SE. slope, bears NE. and SW.

21.50 Top of S. point of sandstone ledge, 75 ft. high and 350 ft. above cor.; descend abrupt W. slope.

29.00 Gulch, 180 ft. below S. point of ledge, drains S. 20° E.;

## SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

- Chains ascend steep ledgy SE. slope.
- 39.88 Point for the  $\frac{1}{4}$  sec. cor. secs. 14 and 23; on ledgy SE. slope, 290 ft. above gulch.
- Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and a large mound of stone, with brass cap marked
- S14  
—  
S23  
1945
- From which:
- A pinon, 10 ins. in diam., bears S.  $14^{\circ}30'$  W., 115 lks. dist., marked  $\frac{1}{4}$  S23 BT.
- A pinon, 10 ins. in diam., bears N.  $7^{\circ}30'$  W., 78 lks. dist., marked  $\frac{1}{4}$  S14 BT.
- 41.30 Top of ascent on S. slope of high sandstone butte, at top of high main ridge, 20 ft. above the  $\frac{1}{4}$  sec. cor., slopes S, and ascends abruptly to the NE; descend abruptly.
- 42.80 Top of vertical sandstone rim, 75 ft. high, bears N. and S descend abrupt ledgy W. and SW. slopes.
- 57.80 Bottom of canyon, 640 ft. below ridge, drains S.; ascend abrupt E. slope of shale breaks and sandstone ledges.
- 59.82 Point for the W.  $\frac{1}{16}$  sec. cor. secs. 14 and 23; on broken E. slope, 50 ft. above canyon.
- Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and a large mound of stone, with brass cap marked
- S14  
W  $\frac{1}{16}$  —  
S23  
1945
- From which:
- A pinon, 16 ins. in diam., bears N.  $77^{\circ}45'$  E., 96 lks. dist., marked W  $\frac{1}{16}$  S14 BT.
- A pinon, 18 ins. in diam., bears S.  $85^{\circ}45'$  E., 110 lks. dist., marked W  $\frac{1}{16}$  S23 BT.
- From this cor., a large nail driven in a cross beam at the portal of the Shakespear Coal Mine, bears S.  $24^{\circ}44'$  W., 21.64 chs. dist. At the point where the nail is driven, the cross beam is scribed US GLO.
- From same cor., a large nail driven in a cross beam at portal of the escapeway of the Shakespear Coal Mine, bears S.  $24^{\circ}46'$  W., 22.20 chs. dist. At the point where the nail is driven, the cross beam is scribed US GLO.
- From the main portal of the coal mine, the tunnel bears N.  $33^{\circ}00'$  W.
- Continue abrupt ascent over E. and SE. slope.
- 76.80 Top of sandstone rim, bears NE. and SW., ascend steep E. slope.
- 79.76 The cor. of secs. 14, 15, 22, and 23, 480 ft. above the

SUBDIVISION OF A PORTION, T. 36 S., R. 2 W.

Chains

W. 1/16 sec. cor.

Land, broken by shale breaks and sandstone rims and ledges.  
Soil, shallow clay and sand with a rocky surface; 4th rate.  
Timber, scrub juniper and pinon.  
Undergrowth, shadscale, sage and rabbit brush, greasewood, and browse.  
Fair winter grazing land.

SUBDIVISION OF SEC. 23, T. 36 S., R. 2 W.

September 9, 1945; stationed at the 1/4 sec. cor. secs. 23 and 26, in approximate latitude 37°39' N., longitude 111°58' W., at 9h 14m 04s a.m. correct 105th meridian standard war time, with instrument No. 18003, we 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 on line about 60.00 chs. to the north, in a counter clockwise direction to the star.

Local mean time of observation..... 7h 46m 12s a.m.  
Mean horizontal angle..... 1° 19'  
Azimuth of Polaris..... 1° 14' W.  
True bearing to flag..... N. 0°05' E.

Thence, from the above cor.

N. 0°05' E., on true N. and S. center line sec. 23.

Ascend broken SE. slope of mountainous land, through medium dense timber and scattered undergrowth.

- 14.20 Low ridge, 40 ft. above cor., bears NE. and SW.; descend ledgy NW. slope.
- 35.70 Enter flood plain of Henderson Wash, 140 ft. below ridge, drains SW. and bears NE. and SW.; thence across flood plain.
- 40.02 Point for the center 1/4 sec. cor. of sec. 23, at the intersection with the true E. and W. center line of sec. 23, in flood plain draining SW.

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

C 1/4 S23

1945

From which:

A juniper, 10 ins. in diam., bears N. 3°15' E., 279 lks. dist., marked C 1/4 S23 BT.

A juniper, 10 ins. in diam., bears S. 18° E., 260 lks. dist., marked C 1/4 S23 BT.

A pinon, 16 ins. in diam., bears S. 75° W., 180 lks. dist., marked C 1/4 S23 BT.

A pinon, 16 ins. in diam., bears N. 83°15' W., 140 lks. dist., marked C 1/4 S23 BT.

- 42.00 Leave flood plain of Henderson Wash, bears NE. and SW.; ascend abrupt ledgy SE. and S. slopes.

## SUBDIVISION OF SEC. 23, T. 36 S., R. 2 W.

## Chains

- 43.00 Electric power line, bears N.  $64^{\circ}30'$  E. to Escalante and S.  $64^{\circ}30'$  W. to Tropic.
- 57.10 Top of vertical sandstone rim, 50 ft. high, bears E. and W.; ascend SE. slope through medium dense timber.
- 66.40 Bend in top of high ridge, 590 ft. above the center  $\frac{1}{4}$  sec. cor., bears N.  $10^{\circ}$  W. and S.  $20^{\circ}$  W.; thence along E. slope of ridge near top.
- 79.99 The  $\frac{1}{4}$  sec. cor. of secs. 14 and 23, 50 ft. above ridge.

Land, broken and mountainous.

Soil, shallow clay, shale, and clay, with a rocky surface 4th rate.

Timber, scrub juniper and pinon.

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

Fair winter grazing land.

From the  $\frac{1}{4}$  sec. cor. secs. 23 and 24.

N.  $89^{\circ}55'$  W., on true E. and W. center line of sec. 23.

Descend abrupt NW. slope of broken land, through medium dense timber and scattered undergrowth.

- 6.00 Enter rolling bottom lands of Henderson Canyon, bears NE. and SW.
- 10.80 Unimproved road, bears NE. to saw mill and SW. to Tropic.
- 12.50 Wash, 30 lks. wide, 6 ft. deep, drains SW.
- 18.20 Wash, 50 lks. wide, 10 ft. deep, drains SW.
- 21.00 The NE. point of low ridge from the SW.
- 36.30 Enter flood plain of Henderson Wash, bears NE. and SW.; thence across flood plain draining SW.
- 39.95 The center  $\frac{1}{4}$  sec. cor. sec. 23, 250 ft. below the  $\frac{1}{4}$  sec. cor.
- 41.80 Leave flood plain of Henderson Wash, bears NE. and SW.; thence ascend broken SE. slope over blue clay and shale hills.
- 46.20 Electric power line, bears N.  $64^{\circ}30'$  E. to Escalante and S.  $64^{\circ}30'$  W. to Tropic.
- 49.20 Recross power line, bears N.  $73^{\circ}15'$  W. and S.  $73^{\circ}15'$  E.
- 53.20 Low pass in ridge, 200 ft. above the center  $\frac{1}{4}$  sec. cor., bears NE. and SW.; descend broken NW. slope.
- 59.87 Point for the center west  $1/16$  sec. cor. sec. 23; 250 ft. below top of ridge, under the S. face of an over hanging sandstone ledge.
- Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, with brass cap marked

W  $1/16$   
C ————— C

S23

1945

## SUBDIVISION OF SEC. 23, T. 36 S., R. 2 W.

## Chains

Mark a large cross on the face of an over hanging sandstone ledge, 2 ft. above the iron post.

No suitable bearing trees available.

From this cor., a nail driven in the cross beam at the portal of the Shakespear Coal Mine, bears N.  $23^{\circ}52'$  W., 22.25 chs. dist.

From same cor., a nail driven in the cross beam at the entrance to escapeway of the coal mine, bears N.  $24^{\circ}57'$  W., 21.88 chs. dist.

- 61.50 Electric power line, bears N.  $73^{\circ}38'$  E. to Escalante and S.  $73^{\circ}38'$  W. to Tropic.
- 71.10 Wash, 50 lks. wide, 8 ft. deep, in bottom of canyon, 100 ft. below cor., drains SW.; ascend ledgy SE. slope.
- 73.50 Unimproved road, bears NE. to coal mine and SW. to Tropic.
- 79.79 The  $\frac{1}{4}$  sec. cor. secs. 22 and 23, 100 ft. above bottom of canyon.

Land, broken and mountainous.

Soil, shallow clay, shale, and sand, with a rocky surface; 4th rate.

Timber, scrub juniper and pinon.

Undergrowth, shadscale, greasewood, sage and rabbit brush. Fair winter grazing land.

From the center west  $\frac{1}{16}$  sec. cor. sec. 23.

N.  $0^{\circ}03'$  E., on true N. and S. center line of the NW  $\frac{1}{4}$  sec. 23.

Descend abrupt NW. slope of broken mountainous land, over blue shale breaks, through scattered timber and undergrowth.

- 0.60 Electric power line, bears N.  $73^{\circ}38'$  E. to Escalante and S.  $73^{\circ}38'$  W. to Tropic.
- 22.40 Small spring of good water, on line, in bottom of small brushy ravine, flows SW.; thence through dense undergrowth of oak, service berry and wild rose brush.
- 30.00 Wash, 30 lks. wide, 5 ft. deep, in bottom of canyon, 120 ft. below cor., drains S.  $20^{\circ}$  W.; thence ascend along broken W. side of bottom of canyon.
- 39.99 The west  $\frac{1}{16}$  sec. cor. secs. 14 and 23, 90 ft. above bottom of canyon.

Land, broken and mountainous.

Soil, shallow clay and sand, with a rocky surface; 4th rate.

Timber, scrub juniper and pinon.

Undergrowth, shadscale, greasewood, sage, rabbit, oak, service berry, and wild rose brush.

Fair winter grazing land.

## GENERAL DESCRIPTION OF SECS. 8 AND 7, T. 36 S., R. 2 W.

The land in the west and south portions of sec. 17, consists of the rolling bottom lands of North Canyon, which is broken in places by blue shale and clay hills and outcroppings and has a general southwesterly exposure and

## GENERAL DESCRIPTION OF SECS. 8 AND 17, T. 36 S., R. 2 W.

drainage. Section 8 and the northeast portion of section 17, is very rough and broken and consists of high vertical sandstone rims and ledges which form the breaks of North Canyon and its tributaries.

The soil consists of a deep sand and clay loam in the bottom lands of the canyons while that on the breaks of the canyons and tops of the benches, consists of a shallow sand and blue clay, with a rocky surface. The soil is not very productive and may be classified as third and fourth rates.

Section 8 and the northeast portion of section 17, is covered with a medium dense growth of scrub juniper and pinon, and scattered yellow pine and Douglas fir timber. In the bottom lands of North Canyon and its tributaries, a few cottonwood trees are found.

The undergrowth on the slopes and breaks of the canyons, consists of a scattered short growth of shadscale, greasewood, and browse, while that in the bottom lands consists of a dense tall growth of greasewood, sage, rabbit, oak, and service berry brush.

Intermittent small streams of good water are found in the bottom of the main and right forks of North Canyon.

The only improvements in the two sections are two Forest Service drift fences in section 17, which bear in an easterly and westerly direction.

At a point 17.59 chs. W. and 7.15 chs. N. of the cor. of sections 4, 5, 8, and 9, an old coal prospect hole was found in a large vein of coal which was exposed to the surface in several places in the north half of section 8. Except for this coal, no other indications of mineral, oil, or oil shale were found.

No settlers were living in the two sections and no portions of it are suitable for farming. The land is suitable only for a winter grazing range for stock and is being used for this purpose

## GENERAL DESCRIPTION OF SECTION 23, T. 36 S., R. 2 W.

The land within the boundaries of section 23 is very rough and broken and consists of numerous vertical sandstone and shale breaks and rims which in most places are inaccessible. The section has a general southwesterly exposure and drainage, and is cut by deep canyons and gulches rimmed with shale and sandstone breaks.

The timber on the slopes and breaks consists of a scattered growth of scrub juniper and pinon, while that in the bottom lands of the canyons is more dense.

The undergrowth in the bottom lands of the canyons is dense and consists of shadscale, greasewood, sage and rabbit brush, while that on the slopes is more scattered and consists of shadscale, bitter brush, and browse.

The soil in most places is shallow and is a blue clay and shale with a rocky surface, and may be classified as fourth rate.

The only water in the section is a small spring of good water located in the central portion of the NW $\frac{1}{4}$  of the section.

An electric power line which transmits power from Hatch, Ut. to Escalante, Ut., bears in a northeasterly and southwesterly direction through the section.

An unimproved road located in the southeast portions of the section, bears northeasterly to a saw mill in Henderson Canyon and southwesterly to Tropic, Ut.

## GENERAL DESCRIPTION OF SECTION 23, T. 36 S., R. 2 W.

An unimproved road enters the section on the west boundary and bears in a northeasterly direction to the Shakespear Coal Mine and southwesterly to Tropic.

From the west 1/16 section cor. of secs. 14 and 23, the Shakespear Coal Mine, bears S.  $24^{\circ}44'$  W., 21.64 chs. distant. This coal mine was in operation at the time of the survey. The improvements at the coal mine consisted of a tunnel about 900 feet in length, a loading tipple, and two small frame buildings.

Surface indications of a large vein of coal were found throughout the north portion of the section, but except for the coal, no indications of other mineral, oil, or oil shale were found.

No settlers were living on the section and no portions of it are suitable for farming.

The magnetic declination at the  $\frac{1}{4}$  sec. cor. of sections 22 and 23, was found to be  $15^{\circ} 30'$  E.



CERTIFICATE OF SURVEYOR

Elliot Bird  
 I, We, Andrew Nelson, Cadastral Engineers, HEREBY CERTIFY upon honor that,  
 pursuance of special instructions bearing date of the 21st day of September 1939  
 and supplemental special instructions dated July 3, 1940 supplemental  
 received from the district cadastral engineer for Utah, with assignment  
 instructions dated September 5, 1942, we have made an extension survey of the  
subdivision and subdivided section 23, T. 36 S., R. 2 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.  
Salt Lake City, Utah.  
December 15, 1945

*Elliot Bird* Cadastral Engineer  
*Andrew Nelson* Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, June 17, 1946

The foregoing field notes of the ~~survey of~~ the extension survey of the  
subdivision and subdivision of section 23, T. 36 S., R. 2 W., Salt  
Lake Meridian, Utah

executed by Elliot Bird and Andrew Nelson, Cadastral Engineers  
special instructions dated July 3, 1940  
 under special instructions dated September 21, 1939 and supplemental / supplemental and assignment  
 instructions dated September 5, 1942, 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~~  
~~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

# FIELD NOTES

of the

Dependent Resurvey of the Boundaries

and

Subdivision of Sections 8 and 17

in

Township 30 South, Range 3 West

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Robert C. Yundt

Cadastral Engineer

Under special instructions dated July 18, 1949, which provided

for the surveys included under Group No. 373-Utah, approved August 17, 1949

and assignment instructions dated June 6, 1950

Survey commenced June 28, 1950

Survey completed July 12, 1950

# INDEX DIAGRAM

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Subdivision of section 8, pages 8 to 12.  
 Subdivision of section 17, pages 12 to 15.

16-56770-1

1460

Township 30 South, Range 3 West.

The original survey of the subdivision of Township 30 South, Range 3 West of the Salt Lake Meridian, Utah was made by Joseph Gorlinski in 1871 and Brecken and McCarty in 1897. The following field notes are those of a dependent resurvey of sections 8 and 17, reestablishing the surveys executed by Joseph Gorlinski, and the subdivision of these two sections.

The dependent resurvey is a restoration of the lines of the original survey in their true, original positions according to the identified evidence of that survey. Before remonumenting an identified original corner, or restoring a missing corner, the lines of the original survey were retraced, and searches made for evidence of the original corner monuments and other calls of the field notes. After completing the necessary retracements 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 survey posts. In order to simplify the record, only the true line notes, referring to the completed resurvey, are supplied here.

The survey was made with Buff and Buff solar transit number 26594, the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instrument was in good condition, and prior to the beginning of the field work it was tested and found to be free from error. Since the directions of the lines of the survey were determined by the use of the solar attachment, the indicated meridians obtained by its use were compared with the true meridian established by Polaris observations, and found to be in satisfactory agreement. The instrument was maintained in good adjustment during the survey and the continued accuracy of the solar attachment was verified by frequent checks upon the true meridian.

The measurements were made with Lallie steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of ten links. They were tested by comparison with a Lufkin 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 horizontal equivalents, which are used in these field notes.

The geographic position of the south-east corner of section 17, determined from the data accompanying the special instructions is as follows: Latitude  $38^{\circ}11'30''$  N., longitude  $112^{\circ}13'12''$  W. The above value for latitude was checked by meridian observations on the sun. The mean magnetic declination was found to be  $16^{\circ}$  E.

This resurvey and survey was made at the request of the Division of Range Management in order to determine the boundaries of private lands adjoining the public land.

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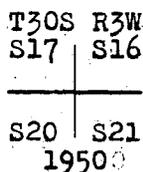
Dependent Resurvey of the Subdivision of T. 30 S.,  
R. 3 W. Reestablishment of the Surveys Executed by  
Joseph Gorlinski in 1871.

Chains

The corner of sections 16, 17, 20, and 21 is marked by quartzite rock, 12x7x6 ins., firmly set in the ground and in a mound of stone at the intersection of fences extending N. S. and E. The stone is weathered and no marks are visible, but it has long been accepted as marking the section corner, and is accepted as the best available evidence of the original corner position:

At the corner point:

Set an iron post, 3 ft. long and 2 ins. in diameter, 28 ins. in the ground and in a mound of stone, with brass cap marked:



Deposit the original stone alongside the iron post.

Thence:

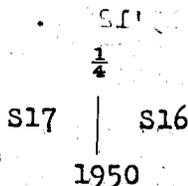
N. 0°02' W. between sections 16 and 17.

Over level land, through old cultivated area, along fence line.

- 7.80 Corner of fences extending W., S., and N.
- 9.80 Ditch drains N. 20° E., fence bears S. and N. 20° E.
- 21.05 Enter U. S. Highway No. 89, bears about N. 5° E. and S. 5° W.
- 25.95 Sevier River, about 30 links wide and 2 ft. deep, flows E.
- 34.50 Leave highway: Culvert, drains E.
- 40.78 Point for the 1/4 section corner determined longitudinally as being in line between adjacent section corners, and latitudinally in the prolongation of an old fence line to the west; there is no remaining evidence of the original corner monument.

At the corner point:

Set an iron post, 3 ft. long and 1 in. in diameter, 32 ins. in the ground, and in an imbedded collar of stone, with brass cap marked:



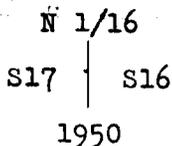
Deposit broken glass at the base of the post.

- 47.00 Center of small slough draining E.
- 51.60 Irrigating ditch, drains N. 10° E.
- 57.30 Irrigating ditch, drains N. 10° E.
- 60.97 The N. 1/16 section corner of sections 16 and 17 at mid-point:

Dependent Resurvey of the Subdivision of T. 30 S., R. 3 W.

Chains

Set an iron post, 3 ft. long and 1 in. in diameter, 28 ins. in the ground, and in a collar of stone, with brass cap marked:



Deposit broken glass at the base of the post.

68.00 Irrigating ditch; drains NE., begin ascent along a gentle SE. slope.

70.00 Fence, bears NE. and SW.

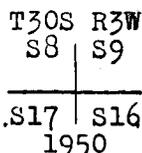
71.20 Irrigating ditch, drains NE.

78.60 Top of ascent on the east slope of a hill, descend along a gentle NE. slope.

81.16 The corner of sections 8, 9, 16, and 17, marked by a mound of stone identified by owners of nearby lands as marking the original position of the corner, and being in close agreement with original corners to the south, east, and west, it is accepted as being the best available evidence of the original corner position:

At the corner:

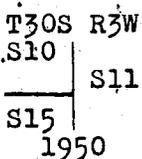
Set an iron post, 3 ft. long and 2 ins. in diameter, 24 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:



Deposit broken glass at the base of the post.

From this point the original corner of sections 10 and 15 on the west boundary of section 11, and marked by a trachyte rock, 16x12x7 ins., firmly set in the ground and in a mound of stone, and marked with four notches on the south edge and two notches on the east edge, bears 161.30 chains S. 89°48'E., I remonument this point as follows:

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



Deposit the original stone alongside the iron post.

Land, nearly level, mostly in old cultivated area.  
Soil, deep, gravelly clay loam.  
Timber, none  
Undergrowth, sagebrush, and pasture grasses.

Dependent Resurvey of the Subdivision of the 30 S., R. 3

Chains	and end
	N. 0°07' W. between sections 8 and 9.
	Over gently rolling land, through scant undergrowth.
.20	Power line, bears E. and W.
4.70	Road, bears E. and W.
5.40	Ditch, flows W.
8.50	South edge of slough draining E. bears E. and NW.
12.55	North edge of slough, bears SW. and E.
14.05	Ditch, drains E.
17.20	Low hill, projects E. about 3 chains to end.
20.30	Ditch, drains NW.
22.30	Fence, bears S. 80° E. and N. 80° W., enter flat land.
37.50	Ditch, drains NW.
40.23	The $\frac{1}{4}$ section corner at proportionate distance: No trace of the original corner being found:
	Set an iron post, 3 ft. long and 1 in. in diameter, 28 in
	in the ground, and in a collar of stone, with brass cap
	marked:
	<div style="text-align: center;"> <math>\frac{1}{4}</math>              S8   S9              1950           </div>
	Deposit broken glass at the base of the post.
43.40	Fence, bears SE. and NW. about 50 links and thence N.,
	along the west side of U. S. Highway 89, continue along
	highway.
80.46	The corner of sections 4, 5, 8, and 9 in U. S. Highway 89
	at the intersection of the prolongation of an old fence
	line to the east and in the center of the prolongation of
	an old lane to the north. This point is in agreement with
	the land lines of the surrounding farms, and is accepted
	as the best evidence of the original corner position:
	At the corner:
	Drive a 10 in. spike in the oiled surface of the highway,
	from which:
	An iron post, 3 ft. long and 1 in. in diameter, set
	28 ins. in the ground as a reference monument, bears
	36 links N. 89°53'E., with brass cap marked; RM S4
	on the north, S9 1950 on the south, and with an arrow
	pointing to the corner.
	An iron post, 3 ft. long and 1 in. in diameter, set
	28 ins. in the ground as a reference monument, bears
	85 links S. 89°53'W., with brass cap marked; RM S5
	on the north, S8 1950 on the south, and with an arrow
	pointing to the corner.
	Land, nearly level, partly cultivated.
	Soil, deep sandy to gravelly clay loam.

Dependent Resurvey of the Subdivision of T. 30 S., R. 3 W.

## Chains

- Undergrowth, sagebrush, greasewood and pasture grasses.
- Beginning at the corner of sections 16, 17, 20, and 21.
- Thence:
- N. 89°47' W. between sections 17 and 20.
- Over level land, partly cultivated.
- 16.60 Irrigating ditch, drains NE.
- 19.80 Irrigating ditch, drains NE.
- 20.00 Fence, bears N. and S.
- 26.80 Fence on the south side of U. S. Highway No. 89, bears NE. and SW.
- 29.60 U. S. Highway No. 89 at end of curve, bears NE. and S. 80° W.
- 40.40 The  $\frac{1}{4}$  section corner at midpoint position: No trace of the original corner monument being found:
- Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, and in a collar of stone, with brass cap marked:

S17  
 $\frac{1}{4}$  \_\_\_\_\_  
 S20  
 1950

Deposit broken glass at the base of the post.

- 54.70 Ditch, drains N.
- 58.10 Fence along the north side of the highway, bears N. 85° E. and S. 85° W.
- 66.40 Right bank of the Sevier River, bears NE. and SW.
- 67.30 Left bank of river, bears NE. and S. 60° W.
- 71.70 Left bank of the river, bears NW. and S. 60° E.
- 72.20 Right bank of the river, bears NW. and SE.
- 78.80 Power line, bears N. and SW.
- 80.80 The corner of sections 17, 18, 19, and 20, marked by sand-stone rock, 15x12x10, deeply set in the ground, and marked with 5 notches on the east edge and 3 notches on the south edge, not witnessed:
- At the same point:
- Set an iron post, 3 ft. long and 2 ins. in diameter, 34 ins. in the ground, and in a collar of stone, with brass cap marked:

T30S R3W

S18 S17

S19 S20

1950

Chains

Deposit the original stone alongside the iron post.

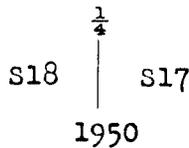
Land, level, bordering the Sevier River.  
 Soil, deep, heavy clay loam.  
 Timber, none.  
 Undergrowth, sagebrush and pasture grasses.

-----  
 N. 0°40' W. between sections 17 and 18.

Over level land, through partly cultivated area.

- 7.30 Right bank of the Sevier River, bears E. and W., flows E.
- 8.10 Left bank of the river, bears E. and W.
- 18.95 Irrigating ditch, drains E.
- 20.95 Fence, bears E. and W.
- 34.30 Leave level land, edge bears W. and NE., ascend 125 ft. along a SE. slope.
- 40.40 Fence, bears N. 89°45' E. and Westerly.
- 41.34 Point for the  $\frac{1}{4}$  section corner at proportionate distance: No trace of the original corner being found:

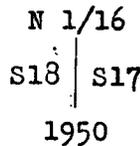
Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:



Deposit broken glass at the base of the post.

- 41.50 Low spur, slopes E., descend along a NE. slope.
- 54.70 Draw, drains E., ascend along a SE. slope.
- 56.90 Road, bears N. 60° E. and S. 60° W.
- 62.01 On a low spur projecting E.: The N. 1/16 section corner of sections 17 and 18 at midpoint position:

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



Deposit broken glass at the base of the post.

- 67.30 Road, bears SE. and NW.
- 70.30 Draw, drains SE., ascend along a SW. slope.
- 82.68 The original corner of sections 7, 8, 17, and 18, marked by a trachyte rock, 30x26x24 ins., set in a mound of stone and marked with 5 grooves on the east face and four grooves

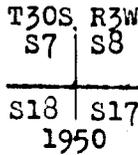
Dependent Resurvey of the Subdivision of T. 30 S., R 3 W.

Chains

on the south face;

At the same point:

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



Deposit the original stone alongside the iron post.

Land, level in the south and rolling hills in the north. Soil, sandy to rocky clay loam.

Timber, none.

Undergrowth, sagebrush, rabbit brush, weeds, and grass.

Beginning at the corner of sections 8, 9, 16, and 17:

Thence:

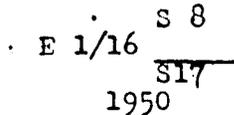
N. 87°43' W. between sections 8 and 17.

Over rolling hills, through scattering undergrowth; ascend along a NE. slope.

11.30 Top of ascent on a N. slope, descend along a broken NW. slope.

20.335 The E. 1/16 section corner of sections 8 and 17 at midpoint position.

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



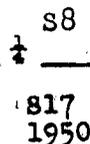
Raise a mound of stone, 2 ft. base and 1 1/2 ft. high north of the post.

Descend along a NW. slope.

41.67 The original 1/4 section corner, marked by a lava stone, 12x6x4 ins., firmly set in the ground and in a mound of stone, and marked 1/4 on the north face:

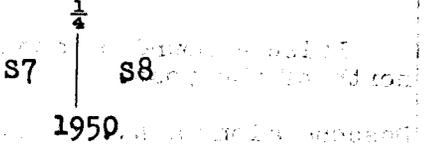
At the same point:

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



Deposit the original stone alongside the iron post.

Thence:

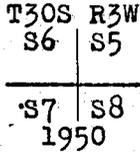
Chains		Remarks
	N. 89°48' W., beginning new measurement	
1.70	Road, bears NE. and SW.	
3.60	Road, bears NW. and SE.	
7.60	Road, bears N. and S.	
9.55	Power line, bears N. 20° E. and S. 20° W.	
12.75	Power line, bears N. and S.	
22.15	Power line, bears N. and S.	
33.40	Spur, projects S. 60° E., descend along a SW. slope.	
40.04	The corner of sections 7, 8, 17, and 18.	
	Land, rolling hills. Soil, sandy to rocky clay loam. Timber, none Undergrowth, sagebrush, rabbit brush, weeds, and grass.	
	N. 0°07' E. between sections 7 and 8.	
	Over rolling hills, through widely scattered timber and a scant undergrowth, ascend 200 ft. along a SW. slope.	
8.30	Spur, projects SE., descend along a NE. slope.	
11.70	Draw, drains NE., ascend along a SE. slope.	
15.60	Spur, projects E., descend along a NE. slope.	
25.00	Draw, drains NE., ascend along a SE. slope.	
37.45	Spur, projects E. descend along a N. slope.	
39.24	The $\frac{1}{4}$ section corner of sections 7 and 8 at proportionate distance: No trace of the original corner being found:	
	Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:	
		
	Deposit broken glass at the base of the post.	
	Descend along a N. slope.	
46.10	Draw, drains N. 60° E., ascend along a SE. slope.	
62.50	Spur, projects E., descend along a NW. slope.	
73.10	Draw, drains NE., ascend along a SE. slope.	
78.48	The original corner of sections 5, 6, 7, and 8, marked by a trachyte stone, 12x9x8 ins., set in the ground and in a mound of stone, and marked with 5 notches on each of the south and east edges:	

Dependent Resurvey of the Subdivision of T. 30 S., R. 3 W.

Chains

At the same point:

Set an iron post, 3 ft. long and 2 ins. in diameter, 26 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.:

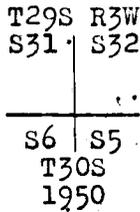


Deposit the original stone alongside the iron post.

From the corner, the original corner of sections 5, 6, 31, and 32 on the north boundary of the township, marked by a lava stone 18x12x10 ins., firmly set in the ground and in a mound of stone and marked with 5 notches on the east edge and 1 notch on the west edge, bears 79.40 chains N. 0°12' W., I remonument this corner as follows:

At the corner:

Set an iron post, 3 ft. long and 2 ins. in diameter, 28 ins. in the ground, and in a mound of stone, with brass cap marked:



Deposit the original stone alongside the iron post.

Land, rolling mountain slopes.  
Soil, rocky clay loam.  
Timber, juniper.  
Undergrowth, sagebrush, weeds, and grass.

Beginning at the corner of sections 4, 5, 8, and 9:

Thence:

S. 89°53' W. between sections 5 and 8

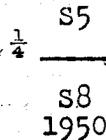
Over rolling land,

- .85 Fence line on the west side of Highway 89, bears N. and S., enter cemetery
- 5.15 Top of hill bearing N. and S., descend along a W. slope.
- 12.95 Fence, bears N. and S. at the west side of the cemetery, enter scant undergrowth.
- 15.25 Ditch, drains N.
- 15.75 Fence, bears N. and S., enter cultivated land.
- 19.80 Fence, bears N. and S. leave cultivated land and re-enter scant undergrowth.
- 22.80 Fence, bears N. and S.

Chains

- 23.40 Ditch, drains N.
- 25.40 Fence, bears NW. and SE.
- 33.90 Wash, drains NE., ascend along a gentle SE. slope.

40.65 The  $\frac{1}{4}$  section corner of sections 5 and 8 at proportionate distance: No trace of the original corner being found:  
 Set an iron post, 3 ft. long and 1 in. in diameter, 12 ins in the ground to solid rock, and in a mound of stone, with brass cap marked:



Deposit broken glass at the base of the post.

- 40.95 Road, bears N. and S.
- 41.90 Power line, bears N. and S.
- 50.25 Power line, bears N. and S.
- 51.50 Low spur, projects NE.
- 58.30 Power line, bears N. and S.
- 62.40 Draw, drains NE., ascend along a SE. slope.
- 81.30 The corner of sections 5, 6, 7, and 8.

Land, rolling hills, partly cultivated in the east.  
 Soil, gravelly clay loam.  
 Timber, none.  
 Undergrowth, sagebrush, weeds, and grass.

Survey of the Subdivision of Section 8.

Beginning at the  $\frac{1}{4}$  section corner of sections 8 and 17:

Thence:

N.  $0^{\circ}35'$  E. along the N-S center line of Section 8.  
 Over rolling hills, through a scant undergrowth.

- .70 Road, bears E. and W.
- 1.80 Road, bears E. and W.
- 2.50 Draw, drains E.
- 9.80 Road, bears N.  $60^{\circ}$  E. and S.  $60^{\circ}$  W.
- 21.50 Low ridge, bears E. and W.
- 25.50 Shallow draw, drains NE.
- 38.98 Intersect the E-W center line:

Set an iron post, 3 ft. long and 1 in. in diameter, 24 ins. in the ground to solid rock, and in a mound of stone, at the center  $\frac{1}{4}$  section corner of section 8, with brass cap marked:

Dependent Resurvey of the Subdivision of T. 30 S., R. 3 W

Chains

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

S 8

1950

Deposit broken glass at the base of the post.

- 41.00 Low spur, projects E.
- 47.50 Shallow draw, drains E.
- 51.90 Low spur, projects E.
- 55.40 Shallow draw, drains E.
- 61.50 Spur, projects E.
- 71.45 Shallow draw, drains N. 60° E.
- 74.35 Road, bears N. 10° W. and S. 10° E.
- 78.71 The  $\frac{1}{4}$  section corner of sections 5 and 8.

Land, rolling hills.  
 Soil, sandy to gravelly clay loam.  
 Timber, none.  
 Undergrowth, sagebrush, weeds, and grass.

Beginning at the  $\frac{1}{4}$  section corner of sections 8 and 9

Thence:

N. 89°24' W. along the E-W center line of section 8.

Over rolling land, through a scant undergrowth.

- .80 Fence, bears N. and S.
- 1.85 Ditch, drains N. 20° W.
- 2.05 Fence, bears N. and S., enter cultivated land.
- 18.00 Ditch, drains N., leave cultivated land and re-enter scant undergrowth.
- 20.58 The center-east  $\frac{1}{16}$  section corner of section 8 at mid-point position:

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

E  $\frac{1}{16}$

C \_\_\_\_\_ C

S 8

1950

Deposit broken glass at the base of the post.

- 20.95 Fence, bears N. and S.
- 41.16 The center  $\frac{1}{4}$  section corner of section 8.
- 45.00 Road, bears N. and S., also power line, same bearing.
- 51.85 Power line, bears N. and S.

Chains

60.90 Power line, bears N. and S.

73.00 Low spur, projects NE.

31.50 The 1/4 section corner of sections 7 and 8.

Land, rolling hills, partly cultivated in the eastern part  
Soil, sandy to gravelly clay loam.  
Timber, none.  
Undergrowth, sagebrush, weeds, and grass.

-----  
Beginning at the east 1/16 section corner of sections 8 and 17:

Thence:

N. 0°21' E. along the N-S center line of the southeast quarter of section 8.

Over rolling land, through a scant undergrowth.

9.05 Road, bears E. and W.

14.45 Draw, drains E., ascend along a SE. slope.

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

37.20 Draw, drains E., ascend along a SE. slope.

38.74 Fence, bears NW. and SE.

39.60 The center-east 1/16 section corner of section 8.

Land, rolling hills.  
Soil, gravelly clay loam.  
Timber, none.  
Undergrowth, sagebrush, weeds, and grass.

-----  
Survey of the Subdivision of Section 17.

Beginning at the 1/4 section corner of sections 17 and 20

Thence:

N. 0°54' W. along the N-S center line of section 17.

Over nearly level land, in meadow.

6.60 Right bank of the Sevier River, bears N. 60° W. and S. 60° E., river flows easterly.

8.00 Left bank of river, bears NW. and SE.

20.30 Corner of fences extending N., E., and W.,

31.50 Ditch, flows N. 60° E. at base of hills, ascend along a SE. slope.

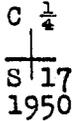
40.55 Corner of fences extending S., E. and W., bears W. about 10 links.

41.04 The center 1/4 section corner of section 17, at the intersection of the center lines:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, surrounded by a collar of stone, with brass

Chains

cap marked:



Deposit broken glass at the base of the post.

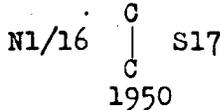
48.40 Spur, projects N. 80° E., descend along a NE. slope.

55.60 Shallow draw, drains N. 80° E.

58.30 Fence, extends E. and W.

61.89 The center north 1/16 section corner of section 17 at midpoint position:

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



Deposit broken glass at the base of the post.

64.65 Spur, projects SW., descend along a NW. slope.

82.74 The 1/4 section corner of sections 8 and 17.

Land, hilly in the north, nearly level in the south.  
Soil, gravelly clay loam.  
Timber, none.  
Undergrowth, sagebrush, weeds, and grass.

Beginning at the 1/4 section corner of sections 16 and 17:

Thence:

N. 89°24' W. along the east-west center line of section 17.

Over nearly level land, in meadow.

.56 Corner of fences extending N. S., and W.

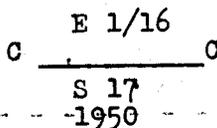
3.30 Leave level land, and enter scant undergrowth, ascend over an E. slope.

7.50 Top of low hill, bears N. and S., descend along a SW. slope.

15.60 Base of hill, bears NW. and SE., continue across swampy land.

20.52 The center-east 1/16 section corner of section 17 at midpoint position:

Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, surrounded by a collar of stone, with brass cap marked:



Chains

Deposit broken glass at the base of the post.

- 32.72 Ditch, drains NE.
- 37.30 Leave swamp, edge bears NE. and SW., ascend along an E. slope.
- 41.04 The center  $\frac{1}{4}$  section corner of section 17.
- 43.74 Spur, projects S. 10° E., descend along a SW. slope.
- 48.90 Edge of grassy swamp, bears NW. and SE.
- 62.30 Power line, bears N. and S.
- 71.20 Leave swamp, edge bears NE. and SW., ascend along a SE. slope.
- 78.00 Power line, bears N. and S.
- 81.26 The  $\frac{1}{4}$  section corner of sections 17 and 18.

Land, low rolling hills, and level swamp.  
 Soil, sandy clay loam on the slopes and deep, heavy clay in the bottoms.  
 Timber, none.  
 Undergrowth, sagebrush, weeds, and grass on the slopes, and meadow grass in the swamps.

-----

Beginning at the center-east 1/16 section corner of section 17:

Thence:

N. 0°28'W. along the north-south center line of the north-east quarter of section 17.

Over level land, through grassy swamp.

- 12.40 Ditch, drains E. at the north edge of the swamp, enter scant undergrowth; ascend along a SE. slope.

- 18.60 Fence, bears E. and W.

- 20.52 The north-east 1/16 section corner of section 17 at the intersection of the center lines of the south-east quarter:

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

NE 1/16  
 ┌───  
 S 17  
 1950

Deposit broken glass at the base of the post.

- 41.04 The east 1/16 section corner of sections 8 and 17.

Land, level in the south, rolling hills, in the north.  
 Soil, deep heavy clay in the swampy areas, and gravelly to rocky clay loam on the slopes.  
 Timber, none.  
 Undergrowth, sagebrush, weeds, and grass on the slopes; grass in the swamp.

-----

Survey of the Subdivision of Section 17

Chains

Beginning at the north 1/16 section corner of sections 16 and 17:

Thence:

N. 88°33' W. along the east-west center line of the north-east quarter of section 17.

Over nearly level land; through a scant undergrowth.

- 1.90 Ditch, drains N. 70° W.
- 4.25 Fence, bears NW. and SE.
- 5.30 Ditch, drains N.; begin ascent along an E. slope.
- 18.30 Spur, projects S. 80° E., descend along a SW. slope.
- 20.68 The north-east 1/16 section corner of section 17.
- 25.30 Draw, drains S. 10° E., ascend along a SE. slope.
- 41.36 The center-north 1/16 section corner of section 17.

Land, low rolling hills.  
 Soil, sandy to gravelly clay loam.  
 Timber, none.  
 Undergrowth, sagebrush, weeds, and grass.

-----

Beginning at the center-north 1/16 section corner of section 17:

Thence:

N. 89°36' W. along the east-west center line of the north-west quarter of section 17.

Over rolling land, through a scant undergrowth, descend over rolling land.

- 14.55 Power line, bears N. and S.
- 17.85 Power line, bears N. 10° E. and S. 10° W.
- 22.55 Road, at the base of rolling land, bears NE. and SW., continue across bottom of open draw.
- 27.15 Road, bears N. 70° E. and S. 70° W.
- 28.90 Power line, bears NE. and SW.
- 34.55 Wash in draw, drains S. from the NW.
- 37.10 West edge of draw, bears NW. and SW.
- 40.13 The north 1/16 section corner of sections 17 and 18.

Land, rolling hills.  
 Soil, sandy to gravelly clay loam.  
 Timber, none.  
 Undergrowth, sagebrush, weeds, and grass.

-----

General Description

The land, in general, consists of semi-barren rolling hills with a scant cover of sagebrush and allied plants. In the larger draws and along the banks of the Sevier River there are cultivated patches and small pastures. The Sevier River is here a small stream of muddy water flowing eastward through the southern part of section 17.

The soil on the slopes is a light sandy to rocky clay, and in the lower parts a deep, heavy clay. Along the western part of the surveyed area are a few, scattered juniper. The only water in the area is in the river and the canals and ditches leading from it. No indications of commercial deposits of mineral were found, and there are no settlers living on the land.

FIELD ASSISTANTS

4-225  
(August 1947)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Fred R. Chappell	Principal Assistant
Reo V. Hunt	Chainman
Ronald F. Simmons	Chainman
William D. Bowes	Flagman
Lyle D. Creel	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 18th day of July, 1949,

I have ~~surveyed~~ independently resurveyed the boundaries of, and ~~subdivided~~ sections 8 and 17, in Township 30 South, Range 3 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

May 1, 1951

Robert C. Yundt

Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 28 1952, 19

The foregoing field notes of the ~~survey of~~ independent resurvey of the boundaries and subdivision of sections 8 and 17 in Township 30 South, Range 3 West of the Salt Lake Meridian, Utah

executed by Robert C. Yundt, Cadastral Engineer

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

Jones Clement

Assistant Chief, Branch of Engineering and Construction.

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

FIELD NOTES

of the

Dependant Resurvey of Portions of the Boundaries

and

Survey of Portions of the Subdivision of Section 26,

in

Township 31 South, Range 2 West

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Robert C. Kundt, Cadastral Engineer

Under special instructions dated July 18, 1949, 19, which provided

for the surveys included under Group No. 373-Utah, approved August 17, 1949

and assignment instructions dated September 28, 1949, 19

Survey commenced October 24, 1949, 19

Survey completed October 26, 1949, 19

# INDEX DIAGRAM

Township 31 South, Range 2 West

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30	29	28	27	26 1	25
31	32	33	34	35	36

Subdivision of section 26, pages 3 to 6 inclusive.

16-56770-1

Township 31 South, Range 2 West

Chains

The foregoing field notes are those of a dependent resurvey and a retracement of the boundaries, and survey of the subdivision of the southwest quarter of section 26, T. 31 S., R. 2 W., Salt Lake Meridian, Utah. The boundaries of this section were originally surveyed by Bailey and Burrill, Deputy Surveyors, in 1874. The south boundary of the section was resurveyed and the east and west boundaries of the section, were retraced by J.C. Thoma and E.R. Bunbury, in 1915. This survey and resurvey were made at the request of the Division of Range Management, Bureau of Land Management, in order to determine the boundaries of public lands in this section.

The dependent resurvey is a reestablishment of the lines of the previous surveys in their true original positions, according to the identified evidence of those surveys, together with the establishment of one-sixteenth section corners along some of the lines resurveyed. Prior to the resurvey, the lines of the previous surveys were retraced, the identified official corners remonumented where necessary, the new one-sixteenth section corners established at proportionate distances, and the southwest quarter subdivided. In order to simplify the record, only the true lines notes referring to the completed resurvey, are supplied here.

The survey was made with a Buff and Buff solar transit No. 26594, the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instrument was in good condition, and prior to the beginning of the field work it was tested and found free from error. Since the directions of the lines of the survey were determined by the use of the solar attachment, the indicated meridians obtained by its use were compared with a true meridian established by Polaris observations, and found to be in close agreement. The instrument was maintained in good condition and the continued accuracy of the solar attachment was verified by frequent tests on the true meridian.

The measurements were made with Lallie steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of 10 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 true horizontal distances which appear in this record.

The geographic position of the southeast corner of section 26, as determined from data furnished with the special instructions for the survey of this group, is as follows.

Latitude 38°04'30" N. Longitude 111°58'30" W.

The value of the latitude was verified by meridian solar observations.

The mean magnetic declination at this point was found to be 16°15' E.

DEPENDENT RESURVEY OF THE BOUNDARIES OF SECTION 26.

Reestablishment of surveys executed by Bailey and Burrill, Deputy Surveyors, in 1874, and retraced by Thoma and Bunbury, in 1915.

The official corner of section 26, 27, 34, and 35, T. 31 S., R. 2 W., is marked by an iron post, 2 ins. in diameter, firmly set, properly marked and witnessed as described in the 1915 resurvey.

Thence, from the above corner.

N. 88°57' E., between sections 26 and 35.

Over nearly level land, in cultivated area.

14.35

East fork of the Sevier River, stream of clear water, 30 links wide, and 18 ins. deep, flows N. 60° W.

DEPENDENT RESURVEY OF THE BOUNDARIES OF SECTION 26.

Chains

- 16.75 Fence, bears NE. and SW.
- 16.95 Road, bears NE. and SW.
- 17.15 Fence, bears NE. and SW.
- 20.07 The west 1/16 section corner at midpoint position, of sections 26 and 35.

Set an iron post, 3 ft. long, 1 in. in diameter, 32 ins. in the ground, with brass cap marked

$$\begin{array}{r} \text{W } 1/16 \frac{\text{S}26}{\text{S}35} \end{array}$$

1949

Deposit broken glass at the base of the post.

From the corner, the southwest corner of a house bears 5.45 chains N. 43°06' E.

- 30.65 Ditch, drains SE., leave cultivated land and enter scattered timber and scant undergrowth.
- 31.85 Fence, bears NW. and SW.
- 32.35 Road, bears NW. and SE.; ascend along a broken SW. slope over ledges.
- 33.15 Sandstone ledge, about 50 ft. high, bears NW. and SE.

40.11 The original  $\frac{1}{4}$  section corner, marked by a granite stone, 18 x 12 x 8 ins., firmly set in the ground and in a mound of stone, and marked  $\frac{1}{4}$  on the north face.

At the same point:

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

$$\begin{array}{r} \frac{1}{4} \frac{\text{S}26}{\text{S}35} \end{array}$$

1949

Deposit the original stone alongside the iron post.

From this point the official corner of sections 25 and 26 on the north boundary of section 36, an iron post 2 ins. in diameter, conforming to the record of the 1915 resurvey, bears 40.21 chains N. 88°24' E.

Land, nearly level in the west and rolling hills in the east.  
Soil, gravelly to rocky clay loam.  
Timber, juniper and pinon.  
Undergrowth, sagebrush, weeds and grass.

Beginning at the corner of sections 26, 27, 34, and 35.

Thence:

N. 1°52' W., between sections 26 and 27.

Over nearly level land, through cultivated area.

- 3.60 Fence, bears W. and E.

DEPENDENT RESURVEY OF THE BOUNDARIES OF SECTION 26

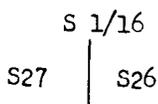
Chains

3.90 East fork of the Sevier River, 30 links wide; 18 ins. deep, flows N. 70° W.

8.45 Fence, bears E. and W.

19.90 The south 1/16 section corner of sections 26 and 27 at midpoint position.

Set an iron post, 3 ft. long, 1 in. in diameter, 30 ins. in the ground and in a collar of stone, with brass cap marked



1949

Deposit broken glass at the base of the post.

23.00 Fence, bears E. and W.; leave cultivated land and enter scattered undergrowth; ascend over rolling land.

26.00 Road, bears NE. and SW.

39.80 The section corner of sections 26 and 27, marked by a trachyte stone, 18 x 10 x 8 ins., firmly set in the ground and in a mound of stone, and marked on W. face.

At the same point:

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



1949

Deposit the original stone alongside the iron post.

From the corner, the original corner of sections 22, 23, 26, and 27, marked by the original monument, conforming to the record, bears 40.25 chains N. 1°38' W.

Land, level in the south and gently rolling in the north.

Soil, sandy to rocky clay loam.

Timber, none.

Undergrowth, sagebrush, weeds, and grass.

Subdivision of section 26.

Beginning at the  $\frac{1}{4}$  section corner of sections 26 and 35.

Thence:

N. 1°45' W., along the north-south center-line of section 26.

Over rolling land, through scattered timber and a scant undergrowth; ascend 50 ft. along a SW. slope.

3.30 Spur, projects N. 70° W.; descend along a N. slope.

8.95 Shallow draw, drains N. 70° W.; ascend along a SW. slope.

17.40 Spur, projects N. 70° W.; descend along a NW. slope.

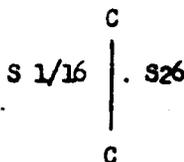
SUBDIVISION OF SECTION 26.

Chains

31.130

20.14 The center-south  $\frac{1}{16}$  section corner of section 26 at midpoint position.

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



1949

Deposit broken glass at the base of the post.

40.28 The center  $\frac{1}{4}$  section corner of section 26 at the intersection of the center lines of the section.

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



1949

Deposit broken glass at the base of the post.

40.40 Road, bears E. and W..

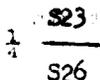
43.50 Small stream of water, flows NW.; ascend along a SW. slope.

74.60 Fence, bears E., W., and N.; continue in fence line.

81.84 Point for the  $\frac{1}{4}$  section corner of sections 23 and 26 identified by Charles A. Riddle of Antimony, Utah, as being long used as the corner and to which the surrounding property lines are referenced.

At the cor. point:

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



1949

Deposit broken glass at the base of the post.

From this point, the official corner of sections 23, 24, 25, and 26, marked by an iron post, 2 ins. in diameter and conforming to the record of the 1915 resurvey, bears 40.07 chains N.  $89^{\circ}56'$  E.

Also, the original corner of sections 22, 23, 26, and 27, bears 40.14 chains S.  $89^{\circ}23'$  W.

Land, rolling in the south and partly cultivated in the north.

Soil, sandy and gravelly clay loam.

Timber, juniper in the south.

Undergrowth, sagebrush, weeds, and grass.

Beginning at the  $\frac{1}{4}$  section corner of sections 26 and 27.

04.11

## SUBDIVISION OF SECTION 26.

Thence:

N. 88°18' E., along the East-West center line of section 26.

Over rolling land, through scattered undergrowth.

8.30 Road, bears NE. and SE.

20.11 The center-west 1/16 section corner of section 26 at midpoint.

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

W 1/16  
C ——— C  
S26

1949

Deposit broken glass at the base of the post.

22.90 Power line, bears N. 20° W. and S. 20° E.

40.22 The center section corner of section 26.

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

53.10 Small stream of water, flows N. 60° W.

80.22 The original section corner of secs. 25 and 26, marked by a trachyte stone, 14 x 8 x 7 ins., firmly set in the ground and marked on W. face.

At the same point:

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

S26 | S25

1949

Deposit the original stone alongside the iron post.

From the corner, the official corner of sections 23, 24, 25, and 26, bears 40.40 chains, N. 1°43' W., also:

The official corner of sections 25 and 26, on the north boundary of section 36, bears 40.30 chains S. 1°50' E.

Land, low rolling hills.

Soil, gravelly clay loam.

Timber, none.

Undergrowth, sagebrush, weeds, and grass.

Beginning at the west 1/16 section corner of sections 26 and 35.

Thence:

N. 1°48' W., along the north-south center line of southwest quarter of section 26.

Over nearly level land in cultivated area.

2.75 Fence, bears N. 60° W. and S. 60° E.

## SUBDIVISION OF SECTION 26.

Chains	
4.40	Fence, bears E. and W.
4.60	Irrigation ditch, flows NW.
7.30	Fence, bears N. 70° W. and S. 70° E.; leave cultivated area and enter scant undergrowth.
8.15	Road, bears N. 70° W. and S. 70° E.
20.02	The southwest 1/16 section corner of section 26 at the intersection of the center lines of the southwest quarter.  Set an iron post, 3 ft. long, 1 in. in diameter, 26 ins. in the ground and in a mound of stone, with brass cap marked  <div style="text-align: center;"> <math display="block">\begin{array}{c} \text{SW } 1/16 \\ \hline \text{S26} \\ 1949 \end{array}</math> </div>
	Deposit broken glass at the base of the post.
34.40	Spur, projects W.
40.04	The center-west 1/16 section corner of section 26.  Land, level in the south, rolling in the north; partly cultivated in the south. Soil, sandy to gravelly clay loam. Timber, none. Undergrowth, sagebrush, weeds, and grass.
	Beginning at the south 1/16 section corner of sections 26 and 27. Thence: N. 89°37' E., along the east-west center line of the southwest quarter of section 26. Over level land, in cultivated area.
12.00	Leave cultivated area, edge bears NW. and SE.; enter scant undergrowth.
13.50	Fence, bears NW. and SE.
15.20	Road, bears N. 30° W. and S. 30° E.
20.09	The southwest 1/16 section corner of section 26.
40.18	The center-south 1/16 section corner of section 26.  Land, level in the west and rolling hills in the east. Soil, sandy to gravelly clay loam. Timber, none. Undergrowth, sagebrush, weeds, and grass.

## GENERAL DESCRIPTION OF SECTION 26, T. 31 S., R. 2 W.

The land in section 26 is mainly rolling hills with level areas in the northern and western parts. These level spots are at the present cultivated. The soil is of a sandy to gravelly clay loam. The timber consists of a few scattered and dwarfed juniper and piñon tree, of no value except for fence posts and fire wood. The undergrowth is a scant stand of sagebrush, weeds, and grass. The East fork of the Sevier River flows through the southwest corner of the section and there are several small stream in the north. No deposits of commercial mineral were encountered.



CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, Cadastral Engineer, ~~HEREBY~~ CERTIFY upon honor that, in pursuance of special instructions bearing date of the 18th day of July 1949, I have ~~surveyed~~ independently resurveyed portions of the boundaries and ~~surveyed~~ portions of the subdivision-of-section lines of Section 25 in Township 31 South, Range 2 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  
June 1, 1951

*Robert C. Yundt*  
 Robert C. Yundt  
 Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
 Washington, D. C., NOV 28 1952, 1952

The foregoing field notes of the ~~survey of~~ independent resurvey of portions of the boundaries and ~~survey of~~ portions of the subdivision-of-section lines of Section 26 in Township 31 South, Range 2 West of the Salt Lake Meridian, Utah, executed by Robert C. Yundt, Cadastral Engineer having been critically examined and found correct, are hereby approved.

*James O. Clement*  
 Assistant Chief, Division of Cadastral Engineering.

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  
BUREAU OF LAND MANAGEMENT

# FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE EAST BOUNDARY OR EMERY VALLEY GUIDE MERIDIAN;  
PORTIONS OF THE SEVENTH STANDARD PARALLEL SOUTH ALONG THE SOUTH BOUNDARY  
OF T. 35 S., R. 4 W., AND THE SUBDIVISION; AND SURVEY OF THE  
CENTER LINES OF SEC. 25, T. 36 S., R. 4 W.

Of the Salt Lake Meridian,  
in the State of Utah

EXECUTED BY

Elliot Bird, Cadastral Engineer

Under special instructions dated May 14, 1948, which provided  
for the surveys included under Group No. 367, bearing the approval of the  
Director of the Bureau of Land Management  
~~Commissioner of the General Land Office~~ under date of May 27, 1948  
and assignment instructions dated June 16, 1948.

Survey commenced July 7, 1948.

Survey completed August 20, 1948.

# INDEX DIAGRAM.

Township 36 South, Range 4 West

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7	8	60	9	50	10	38	11	25	12
	59	58	49	37	25				
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		56	47	35	23				
19	20	21	46	22	33	23	21	24	11
		55	45	32	20				
30	29	28	44	27	31	26	19	25	65
		54	43	30	18				
31	32	33	41	34	29	35	16	36	8

29

1626

The following field notes are those of a dependent resurvey of the east 5 miles of the Seventh Standard Parallel South along the south boundary of T. 35 S., R. 4 W., the east boundary, and a portion of the subdivision, and the survey of the E. and W., and N. and S. center lines of sec. 25, T. 36 S., R. 4 W., Salt Lake Meridian, Utah.

The Seventh Standard Parallel South along the south boundary of T. 35 S., R. 4 W., was surveyed by J.G. Burrill, Deputy Surveyor, in 1876. The Emery Valley Guide Meridian along the E. bdy. of T. 36 S., R. 4 W., was surveyed by T.C. Bailey, Deputy Surveyor, in 1876. During the same year, Bailey and Burrill subdivided the greater portion of the township. T.C. Bailey surveyed the east  $4\frac{1}{2}$  miles of the S. bdy. in 1876. In 1925, Elliot Bird, Cadastral Engineer, completed the survey of the subdivision, the S. bdy. and surveyed the west boundary. The E.  $3\frac{1}{2}$  miles of the S. bdy. was resurveyed by Bird and Nelson, Cadastral Engineers, in 1944, in connection with the survey of T. 37 S., R. 4 W., under Group 328, Utah.

Preliminary to this resurvey the lines of the 1876 surveys were retraced and diligent searches made for all corners and other calls of the record. Identified corners are remonumented in their original positions, lost corners are remonumented at proportionate positions based upon the original record, and the true lines blazed through the timber. The retracement data are thoroughly verified and only the true line field notes are given herein. Sec. 36, and all of sec. 25 except the NW $\frac{1}{4}$ , are within the boundaries of Bryce Canyon National Park. By consent of the Park Ranger, the area of the township within the park was subdivided. The center  $\frac{1}{2}$  sec. cor. of sec. 25, and the S.  $1/16$  sec. cor. of secs. 19 and 24, on the E. bdy., were monumented as they form angle points of the park boundary.

The resurvey was commenced July 7, 1946, and executed by Elliot Bird, Cadastral Engineer, using Luff and Luff solar transit No. 18003. The instrument is the property of the Bureau of Land Management and is equipped with a Smith solar attachment and a full vertical circle. The horizontal limb has two double verniers placed opposite to each other and read to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle. The instrument was in good adjustment and condition, and was tested and found free from any appreciable error. Most of the country over which the lines of the survey were extended, is open or covered with scattered timber, and the solar attachment was used very little. 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 measurements are made with a Lallie 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 Lufkin standard steel tape 1 chain in length and found correct. The measurements were made on the slope, the vertical angle of each interval determined with clinometers in good adjustment, and the slope measurements properly reduced to true horizontal distances which appear in this record.

The witness cor. to the cor. of Ts. 36 and 37 S., Rs. 3 and 4 W., is West, 1.90 chs. dist. from the true point for the township cor. From this witness cor., U.S. G.S. triangulation station "Sunset Point", bears S.  $48^{\circ}21'$  E., 54 lks. distant. The recorded latitude of this station is  $37^{\circ}37'21.42''$  N., and the longitude is  $112^{\circ}09'54.76''$  W. The mean magnetic declination at this station was found to be  $16^{\circ}30'$  E.

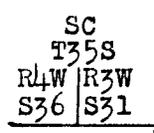
Chains

Reestablishment of surveys executed by J.G. Burrill, Deputy Surveyor, in 1876.

The standard cor. of Ts. 35 S., Rs. 3 and 4 W., is marked by a red limestone; 18 x 12 x 8 ins., firmly set in the ground and small mound of stone, marked 6 notches on all four edges.

At the cor. point.

Set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground and in a mound of stone, 5 ft. base, 1 ft. high, with brass cap marked



1948

Deposit the stone cor. monument alongside the iron post.

From this cor., the established point for the closing cor. of Ts. 36 S., R. 3 and 4 W., bears N. 89°51' E., 8.60 chs. dist., and the standard 1/4 sec. cor. S. bdy. of sec. 31, T. 35 S., R. 3 W., bears N. 89°51' E., 40.23 chs. dist. The standard 1/4 sec. cor. is marked by a limestone, 13 x 9 x 6 ins., firmly set, marked 1/4 on N. face. Cor. is not witnessed.

At the cor. point.

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



1948

Deposit the stone cor. monument alongside the iron post.

July 8, 1948: Stationed at the standard cor. of Ts. 35 S. Rs. 3 and 4 W., in approximate latitude 37°42' N., longitude 112°10' W., at 10h 49.4m 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 the star in a counter clockwise direction to a flag left about 60 chains to the west.

- Local mean time of observation..... 10h 20.7m a.m.
- Mean horizontal deflection angle..... 89°01'.
- Azimuth of Polaris..... 1°01' W.
- True bearing to flag..... S. 89°58' W.

Thence, from the standard cor. of Ts. 35 S., Rs. 3 and 4 W.

S. 89°58' W., on a dependent resurvey line along the S. bdy. of sec. 36; T. 35 S., R. 4 W.

Over rolling top of plateau through medium dense short undergrowth; ascend 220 ft. along S. and SE. slopes to the standard 1/4 sec. cor.

15.00

Base of ridge and enter medium dense timber, bears NE. and SW.; ascend SE. slope.

## DEP. RES. 7TH. STAN. PAR. S., S. BDY. OF T. 35 S., R. 4 W.

## Chains

- 31.48 Point for the  $\frac{1}{4}$  sec. cor. N. bdy. of sec. 1, which is subsequently set at this point.
- 40.07 Point for the standard  $\frac{1}{4}$  sec. cor. of sec. 36, at proportionate distance; no trace of the original  $\frac{1}{4}$  sec. cor. found.
- Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground and surrounded by a mound of stone, 6 ft. base, 16 ins. high, with brass cap marked
- SC  
 $\frac{1}{4}$  S36
- 1948
- from which
- A juniper, 8 ins. diam., bears N.  $65^{\circ}$  E., 67 lks. dist., marked  $\frac{1}{4}$  S36 SC BT.
- A yellow pine, 9 ins. diam., bears N.  $47^{\circ}30'$  W., 101 lks. dist., marked  $\frac{1}{4}$  S36 SC BT.
- Ascend 120 ft. over SE. slope.
- 53.50 One wire Forest Service telephone line, bears N. and S.
- 56.10 Top of ridge, bears N.  $00^{\circ}$  E. and S.  $80^{\circ}$  W.; descend 80 ft. along a N. slope.
- 71.56 The closing cor. of secs. 1 and 2, T. 36 S., R. 4 W.
- 80.14 The standard cor. of secs. 35 and 36, which is marked by the original cor. monument, a limestone, 12 x 6 x 5 ins., firmly set, marked 1 notch on E. edge, 5 notches on W. edge, and 6 notches on S. edge.
- from which
- A yellow pine, 18 ins. diam., bears N.  $30^{\circ}$  E., 29 lks. dist., marked S36 T35S R4W BT.
- No trace of the NW. bearing tree found.
- At the cor. point.
- Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with brass cap marked
- S C  
T35S | R4W  
S35 | S36
- 1948
- from which
- A yellow pine, 12 ins. diam., bears N.  $9^{\circ}$  W., 80 lks. dist., marked T35S R4W S35 SC BT.
- Deposit the stone cor. monument alongside the iron post.
- Land, rolling and mountainous.  
Soil, shallow gravel with a rocky surface.  
Timber, juniper and yellow pine on most of mile; undergrowth of sage and rabbit brush, browse, and weeds.

Chains	
	N. 89°54' W., along the S. bdy. of sec. 35.
	Along gradual N. slope of rolling mountainous land, through medium dense timber and short undergrowth.
18.30	Wide shallow draw, drains S. 30° W.
31.45	Point for the $\frac{1}{4}$ sec. cor. N. bdy. sec. 2, T. 36 S., R. 4 W.
40.01	The standard $\frac{1}{4}$ sec. cor. of sec. 35, which is marked by the original cor. monument, a limestone, 10 x 6 x 4 ins., firmly set, marked $\frac{1}{4}$ on N. face.
	from which
	A dead yellow pine, 18 ins. diam., bears S. 56°30' E., 41 lks. dist., marked $\frac{1}{4}$ S BT. There is no official record of this tree.
	At the cor. point.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a small mound of stone, with brass cap marked
	SC $\frac{1}{4}$ S35
	1948
	from which
	A yellow pine, 8 ins. diam., bears N. 24°15' E., 72 lks. dist., marked $\frac{1}{4}$ S35 SC BT.
	A yellow pine, 12 ins. diam., bears N. 34° W., 137 lks. dist., marked $\frac{1}{4}$ S35 SC BT.
	Deposit the stone cor. monument alongside the iron post.
	—————
	West, beginning new measurement.
14.00	Leave timber, bears NW. and SE.
19.70	Dim road, bears NE. and SW.
19.72	The SE. cor. of barbed wire fence, bears North, 16 lks. dist.
23.70	Shallow draw, drains S. 30° W.
27.89	Barbed wire fence, bears S., and N., 22 lks. dist., thence E.
31.47	Point for the closing cor. of secs. 2 and 3, T. 36 S., R. 4 W.
40.03	Point for the standard cor. of secs. 34 and 35, at proportionate distance; no trace of the original cor. monument could be found. Point for cor. falls in small pond of water where it is impractical to set a monument, therefore at:
41.46	Point for the witness standard cor. of secs. 34 and 35.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, with brass cap marked

DEP. RES. 7TH. STAN. PAR. S., S. EDY. OF T. 35 S., R. 4 W.

Chains

	S	C
T35S	R4W	
S34	S35	WC

1948

Deposit a limestone, 10 x 10 x 6 ins., marked X, at the base of the post.

Land, rolling and mountainous.

Soil, deep gravel and clay.

Timber, juniper and yellow pine on portion of mile; undergrowth of sage and rabbit brush, browse, and weeds.

From the true point for the standard cor. of secs. 34 and 35.

West, along the S. bdy. of sec. 34.

Over rolling top of plateau, through medium dense short undergrowth.

- 1.43 The witness standard cor. of secs. 34 and 35.
- 6.90 Wash, 10 lks. wide, 3 ft. deep, in bottom of shallow draw, drains S. 80° E.
- 22.30 Electric power line, bears NW. and SE.
- 24.00 barbed wire fence, bears N. 10° E. and S. 10° W.
- 27.00 Intersect the NL. cor. of a Texaco service station.
- 29.30 Wire fence, bears N. 69°30' W. and S. 69°30' E.
- 31.30 Utah State Highway No. 12, oiled surface, bears N. 69°30' W. to U.S. Highway No. 89 and S. 69°30' E. to Bryce Canyon.
- 31.49 Point for the  $\frac{1}{4}$  sec. cor. N. bdy. of sec. 3, T. 36 S., R. 4 W.
- 33.40 Telephone line, bears N. 69°30' W. and S. 69°30' E.
- 34.80 Wire fence, bears N. 69°30' W., and S. 69°30' E., 20 lks. dist., thence SE.; enter scattered yellow pine timber, bears with fence.
- 40.03 The standard  $\frac{1}{4}$  sec. cor. of sec. 34, which is marked by a limestone, 10 x 8 x 3 ins., firmly set in the ground and small mound of stone, marked  $\frac{1}{4}$  on N. face. Cor. is not witnessed.
- At the cor. point.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a small mound of stone, with brass cap marked

	SC
$\frac{1}{4}$	S34

1948

from which

A yellow pine, 18 ins. diam., bears N. 66°20' E., 252 lks. dist., marked  $\frac{1}{4}$  S34 SC BT.

Chains

A yellow pine, 16 ins. diam., bears N.  $54^{\circ}43'$  W.,  
546 lks. dist., marked  $\frac{1}{4}$  S34 SC BT.

S.  $89^{\circ}32'$  W., beginning new measurement.

Continue over rolling top of plateau, through scattered yellow pine timber.

15.10 Wire fence, bears N. and S.; leave timber, bears with fence

31.50 The closing cor. of secs. 3 and 4, T. 36 S., R. 4 W.

39.99 The standard cor. of secs. 33 and 34, which is marked by a limestone, 16 x 7 x 4 ins., firmly set in the ground and small mound of stone, marked 3 grooves on E. and W. faces and 6 grooves on S. face. Cor. is not witnessed.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground and in a mound of stone, 5 ft. base,  $1\frac{1}{2}$  ft. high, with brass cap marked

S C	
135S	R4W
S33	S34

1948

Deposit the stone cor. monument alongside the iron post.

Land, rolling top of plateau.

Soil, deep gravel and rock.

Timber, scattered yellow pine on portion of mile; undergrowth of sage and rabbit brush, browse, and weeds.

S.  $89^{\circ}50'$  W., along the S. bdy. of sec. 33.

Over rolling top of plateau, through medium dense short undergrowth.

28.10 Wash, 20 lks. wide, 2 ft. deep, in shallow draw, drains S.  $20^{\circ}$  E.

28.90 Dim road, bears N. and S.

31.56 Point for the  $\frac{1}{4}$  sec. cor. N. bdy. of sec. 4, T. 36 S., R. 4 W.

39.70 Dim road, bears N.  $30^{\circ}$  W. and S.  $30^{\circ}$  E.

40.08 The standard  $\frac{1}{4}$  sec. cor. of sec. 33, which is marked by a limestone, 8 x 6 x 4 ins., firmly set in the ground and small mound of stone, marked  $\frac{1}{4}$  on N. face. Cor. is not witnessed.

At the cor. point.

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

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

1948

DEP. RES. 7TH. STAN. PAR. S., S. EDY. OF T. 35 S., R. 4 W.

Chains

Deposit the stone cor. monument alongside the iron post.

S. 89°58' W., beginning new measurement.

Continue over rolling top of plateau.

7.10 One wire Forest Service telephone line, bears N. 60° W. and S. 60° E.

15.10 Shallow swale, drains SE.

26.00 Wash in small draw, drains NE.

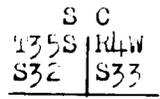
31.52 Point for the closing cor. of secs. 4 and 5, T. 36 S., R. 4 W.

31.61 The NW. cor. of fences bearing S. and easterly, bears South, 4 lks. dist.

40.09 The standard cor. of secs. 32 and 33, which is marked by a sandstone, 8 x 6 x 6 ins., firmly set in the ground and small mound of stone, marked 4 grooves on E. face, 2 grooves on W. face, and 6 grooves on S. face. Cor. is not witnessed.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked



1948

Deposit the stone cor. monument alongside the iron post.

Land, rolling top of plateau.

Soil, deep gravel, clay, and rock.

No timber; undergrowth of sage and rabbit brush, browse, and weeds.

S. 89°32' W., along the S. bdy. of sec. 32.

Over rolling top of plateau, through medium dense short undergrowth.

27.50 Unimproved road, bears N. 20° W. and S. 20° E.

31.53 Point for the 1/4 sec. cor. in bdy. of sec. 5, T. 36 S., R. 4 W.

40.07 The standard 1/4 sec. cor. of sec. 32, which is marked by a sandstone, 8 x 6 x 6 ins., firmly set in the ground and small mound of stone, marked 1/4 on N. face. Cor. is not witnessed.

At the cor. point.

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

Chains

$$\frac{1}{4} \text{ SC}$$

$$\frac{1}{4} \text{ 332}$$

1948

Deposit the stone cor. monument alongside the iron post.

West, beginning new measurement.

Continue over rolling top of plateau.

- 16.00 Enter medium dense juniper and yellow pine timber, bears N. and S.
- 31.56 The closing cor. of secs. 5 and 6, T. 36 S., R. 4 W., which is marked by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record of the completion survey of T. 36 S., R. 4 W., Group 146, Utah.
- 40.11 The standard cor. of secs. 31 and 32, which is marked by an iron post, 2 ins. diam., set, marked, and witnessed as described in the official record of the completion survey of T. 36 S., R. 4 W., Group 146, Utah.

Land, rolling.

Soil, deep gravel and clay.

Timber, juniper and yellow pine on W. portion of mile; undergrowth of sage and rabbit brush, browse, and weeds.

DEPENDENT RESURVEY EAST BOUNDARY OF T. 36 S., R. 4 W.;  
EMERY VALLEY GUIDE MERIDIAN.

Reestablishment of surveys executed by  
T.C. Bailey, Deputy Surveyor, in 1876.

The witness cor. to the cor. of Ts. 36 and 37 S., Rs. 3 and 4 W., is West, 1.90 chs. dist. from the true cor. point, and is marked by an iron post, 3 ins. diam., set, marked, and witnessed as described in the official record. The true point for the township cor. falls in breaks of Bryce Canyon where it is impossible to reach the cor. point. The line to the N. of the true cor. point passes over the breaks of canyon over which it is impossible to project a line, I therefore run on offset line as follows, from true point for cor.

West, 5.00 chs.

N: 0°04' W., 12:00 chs:

East, 5.00 chs. to:

- 12.00 Point on true line, thence,  
N. 0°04' W., on true line, bet. secs. 31 and 36, counting distance from the true point for the township cor.  
Over rolling mountainous land through medium dense timber and undergrowth.
- 40.43 Point for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 36 at proportionate distance; no trace of the original cor. monument could be found.  
At the cor. point.

## DEPENDENT RESURVEY EAST BOUNDARY OF T. 36 S., R. 4 W.

Chains

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

$$\frac{1}{4}$$

S36	S31
1948	

from which

An X marked on the north concrete base of a culvert, bears N. 83° W., 297 lks. dist.

Bearing trees could not be marked as cor. is set within the boundaries of Bryce Canyon National Park.

From this point, line passes over improvements of the park, consisting of trails, oil surfaced roads, camp, and recreation areas.

80.86 The cor. of secs. 25, 30, 31, and 36, which is marked by a limestone, 20 x 16 x 6 ins., firmly set, marked 5 notches on N. edge and 1 notch on S. edge.

from which

A yellow pine, 12 ins. diam., bears S. 72° E., 28 lks. dist., marked S31 T36S R3W BT.

A yellow pine, 14 ins. diam., bears N. 58°30' W., 42 lks. dist., marked S25 R4W BT.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a large mound of stone, with brass cap marked

T36S	
R4W	R3W
S25	S30
S36	S31
1948	

Deposit the stone cor. monument alongside the iron post.

No additional bearing trees marked as cor. is within the boundaries of the park.

Land, rolling top of high plateau.  
Soil, shallow gravel and clay.

Timber, juniper and yellow pine; undergrowth of sagebrush, browse, and weeds.

N. 0°04' E., bet. secs. 25 and 30.

Over rolling top of high plateau, through medium dense timber and undergrowth; ascend 50 ft. over SW. slope.

3.00 Spur, slopes W.; descend 70 ft. over NW. slope.

15.90 Draw, drains W.; ascend 80 ft. along W. slope.

35.30 Spur, slopes W.; descend 40 ft. to the  $\frac{1}{4}$  sec. cor.

40.05 The  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, which is marked by a

## DEPENDENT RESURVEY OF EAST BOUNDARY OF T. 36 S., R. 4 W.

Chains

limestone, 24 x 14 x 10 ins., firmly set, marked  $\frac{1}{4}$  on E. face.

from which

A yellow pine, 16 ins. diam., bears N. 37° W., 40 lks. dist., marked  $\frac{1}{4}$  S BT.

At the cor. point.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground and in a mound of stone, 5 ft. base, 1 $\frac{1}{2}$  ft. high, with brass cap marked

$\frac{1}{4}$   
S25 | S30  
1948

Deposit the stone cor. monument alongside the iron post.

No other bearing trees marked as cor. is set within the boundaries of the park.

N. 0°02' E., beginning new measurement.

Descend 60 ft. over NW. slope to draw.

4.00 Draw, drains W.; thence over rolling land.

8.00 Top of small rocky outcropping.

10.80 Utah State Highway No. 12, oiled surface, bears N. 30° E. to checking station and S. 30° W. to Bryce Canyon lodge.

31.90 Wash in shallow draw, drains N. 5° E.

39.80 Electric power line, bears E. and W.

40.08 Point for the cor. of secs. 19, 24, 25, and 30. Cor. stone is missing and cor. point established from its bearing tree, a 30 ins. yellow pine, bears N. 37° E., 280 lks. dist., marked S19 T36S R3W BT.

At the cor. point.

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

T36S  
R4W | R3W  
S24 | S19  
-----  
S25 | S30  
1948

from which

A yellow pine, 12 ins. diam., bears N. 70°15' W., 503 lks. dist., marked T36S R4W S24 BT.

The SE. cor. of park boundary fence, bearing N. and W., bears N. 64° W., 20 lks. dist.

Cor. forms an angle point of the boundary of Bryce Canyon National Park.

DEPENDENT RESURVEY OF EAST BOUNDARY OF T. 36 S., R. 4 W.

Chains

Land, rolling top of high plateau.  
Soil, gravel and clay with a rocky surface.  
Timber, pine, juniper, fir, and spur; undergrowth of sagebrush and browse.

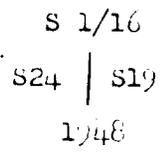
N. 0°02' W., bet. secs. 19 and 24, and along the W. bdy. of Bryce Canyon National Park.

Over rolling top of high plateau, through medium dense timber and short undergrowth. Line follows along E. side of park boundary fence.

0.50 Main telephone line, bears N. 30° E. and S. 30° W.

20.125 Point for the S. 1/16 sec. cor. of secs. 19 and 24, and angle point in boundary of the park.

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



From which

A yellow pine, 12 ins. diam., bears N. 70°45' E., 126 lks. dist., marked S 1/16 S19 BT.

A yellow pine, 10 ins. diam., bears N. 69° W., 83 lks. dist., marked S 1/16 S24 BT.

Cor. set in park boundary fence line, bears E., and W. 30 lks. dist., thence S.

40.25 The  $\frac{1}{4}$  sec. cor. of secs. 19 and 24, which is marked by a limestone, 12 x 8 x 6 ins., firmly set, marked  $\frac{1}{4}$  on W. face. No trace of the original bearing tree found.

At the cor. point; on top of low spur, slopes NE. from S. 20° W.

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



from which

A yellow pine, 10 ins. diam., bears N. 57° E., 17 lks. dist., marked  $\frac{1}{4}$  S19 BT.

A yellow pine, 10 ins. diam., bears N. 32°30' W., 32 lks. dist., marked  $\frac{1}{4}$  S24 BT.

Deposit the stone cor. monument alongside the iron post.

North, beginning new measurement.

DEPENDENT RESURVEY OF EAST BOUNDARY OF T. 36 S., R. 4 W.

Chains

- Cpntinue over rolling land through medium dense timber.
- 6.10 Electric power line, bears NE. and SW.
- 12.30 Wide shallow draw, drains NE.
- 30.25 The SW. cor. of fences bearing N. and E.; thence along fence line.
- 40.09 The cor. of secs. 13, 18, 19, and 24, marked by a limestone, 18 x 16 x 8 ins., firmly set in the ground and small mound of stone, marked 3 notches on S. and N. edges from which
- A yellow pine, 30 ins. diam., bears S. 61°15' W., 137 lks. dist., marked S24 T36S R4W BT.
- A yellow pine, 16 ins. diam., bears N. 2°15' W., 48 lks. dist., marked S13 BT.
- At the cor. point; at the cor. of wire fences bearing NE. and S.
- Set an iron post, 3 ft. longm 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked
- |      |      |
|------|------|
| T36S |      |
| R4W  | R3W  |
| S13  | S18  |
| S24  | S19. |
- . 1948
- from which
- A yellow pine, 14ins. diam., bears N. 1°45' E., 161 lks dist., marked T36S R3W S18 BT.
- A yellow pine, 18 ins. diam., bears S. 30°30' W., 60 lk dist., marked T36S R4W S24 BT.
- A yellow pine, 16 ins. diam.; bears N. 47° W., 83 lks. dist., marked T36S R4W S13 BT.
- No bearing tree to the SE. available.
- Deposit the stone cor. monument alongside the iron post.
- Land, rolling top of high plateau.  
Soil, deep clay and sand.  
Timber, medium dense pine, fir, aspen, and spruce; undergrowth of sage and rabbit brush, and browse.
- 
- N. 0°06' W., bet. secs. 13 and 18.
- Over rolling top of high plateau through medium dense timber and short undergrowth.
- 29.40 Low spur, slopes E.
- 31.50 Shallow draw, drains E.
- 40.12 The  $\frac{1}{4}$  sec. cor. of secs. 13 and 18, which is marked by a limestone, 12 x 10 x 10 ins., firmly set, marked  $\frac{1}{4}$  on W. face.

DEPENDENT RESURVEY OF EAST BOUNDARY OF T. 36 S., R. 4 W.

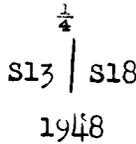
Chains

from which

A dead yellow pine, 30 ins. diam., bears S. 8°30' W., 98 lks. dist., marked  $\frac{1}{4}$  S BT.

At the cor. point.

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



from which

A yellow pine, 12 ins. diam., bears S. 6° E., 175 lks. dist., marked  $\frac{1}{4}$  S18 BT.

A yellow pine, 10 ins. diam., bears S. 30°30' W., 99 lks. dist., marked  $\frac{1}{4}$  S13 BT.

Deposit the stone cor. monument alongside the iron post.

From this  $\frac{1}{4}$  sec. cor., the SE. cor. of fences bearing N. and W., bears N. 88°30' W., 3.52 chs. dist.

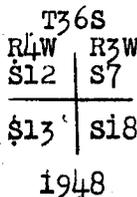
N. 0°06' E., beginning new measurement.

Continue over rolling land.

- 3.20 Small spur, slopes N. 70° E.
- 10.30 Wire fence, bears E., and W. 3.52 chs. dist. to its intersection with fences bearing N. and S.
- 14.00 Electric power line, bears E. and W.; leave all timber, bears same.
- 18.80 Tropic canal, stream, 20 lks. wide, 12 ins. deep, in channel, 30 lks. wide, 4 ft. deep, flows E.; enter cultivated land, bears E. and W.
- 40.25 The cor. of secs. 7, 12, 13, and 18, which is marked by a limestone, 16 x 8 x 8 ins., firmly set, marked 2 notches on N. edge and 4 notches on S. edge. Cor. is not witnessed and is set at the N. edge of cultivated land and in wire fence line bearing E. and W.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a large mound of stone, with brass cap marked



Deposit the stone cor. monument alongside the iron post.

Chains

Land, rolling top of plateau.  
Soil, deep clay, gravel, and sand.  
Timber, yellow pine, juniper, aspen, fir, and spruce, on  
S. portion of mile; undergrowth of sage and rabbit brush,  
browse, and weeds.

N. 0°03' E., bet. secs. 7 and 12.

Over rolling top of plateau, through medium dense short  
undergrowth.

8.00 Shallow draw, drains NE.

20.20 Barbed wire fence, bears E. and W.

40.07 The  $\frac{1}{4}$  sec. cor. of secs. 7 and 12, which is marked by a  
limestone, 9 x 6 x 4 ins., firmly set, marked  $\frac{1}{4}$  on W.  
face. Cor. is not witnessed.

At the cor. point.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the  
ground and surrounded by a mound of stone, 5 ft. base,  
16 ins. high, with brass cap marked

S12 | S7

1948

Deposit the stone cor. monument alongside the iron post.

N. 0°08' W., beginning new measurement.

Continue over rolling top of plateau.

10.00 Wide shallow draw, drains N. 70° E.

13.90 Dim road, bears N. 70° E. and S. 70° W.

23.30 Fence at the SW. side of area containing radio beam  
broadcasting station, bears SE., and NW. 40 lks. dist.  
to cor. The NW. cor. of tower of station, bears East, 20  
lks. dist.

23.80 Fence at the NW. side of area, bears NE., and SW. 22 lks.  
dist. to cor. A brass tablet, 3 ins. diam., set in a  
block of concrete, marked 450 DAYTON OHIO, bears East,  
40 lks. dist.

30.00 Wide shallow draw, drains N. 60° E.

36.60 Wire fence at the S. side of Utah State Highway No. 12,  
bears N. 78°30' W. and S. 78°30' E.

36.65 Main telephone line, bears N. 78°30' W. and S. 78°30' E.

37.20 Utah State Highway No. 12, oiled surface, bears S. 78°30' E.  
to Bryce Canyon and N. 78°30' W. to U.S. Highway No. 89.

40.13 The cor. of secs. 1, 6, 7, and 12, marked by a conglomerate  
stone, 18 x 12 x 2 ins., firmly set in the ground and  
small mound of stone, marked 1 notch on N. edge and 5  
notches on S. edge. Cor. is not witnessed.

At the cor. point.

## DEPENDENT RESURVEY OF EAST BOUNDARY OF T. 36 S., R. 4 W.

Chains

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and in a mound of stone, 5 ft. base, 2 ft. high, with brass cap marked

T36S	
R4W	R3W
S1	S6
S12	S7

1948

Deposit the stone cor. monument alongside the iron post.

From this cor., the beacon light at Bryce Canyon Airport, bears N.  $51^{\circ}37'$  E. 60.00 chs. dist.

Land, rolling top of high plateau.

Soil, shallow gravel, clay, and sand.

No timber; undergrowth of sage and rabbit brush, browse, and weeds.

N.  $0^{\circ}07'$  W., bet. secs. 1 and 6.

Over rolling top of high plateau, through medium dense short undergrowth.

- 1.80 Wide shallow draw, drains N.  $60^{\circ}$  E.
- 7.10 Graded road, bears N.  $60^{\circ}$  E. and S.  $60^{\circ}$  W.
- 13.20 Rim of bottom lands of the East Fork Sevier River, bears NE. and SW.; descend 30 ft.
- 13.70 Enter bottom lands East Fork Sevier River, bears NE. and SW.
- 20.10 Intersection of fence from the N. with fence bearing E. and W.; thence along fence.
- 29.20 Wash, 20 lks. wide, 4 ft. deep, drains N.  $60^{\circ}$  E.
- 40.06 Point for the  $\frac{1}{2}$  sec. cor. of secs. 1 and 6, at proportionate distance; no trace of the original cor. monument could be found.

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

$\frac{1}{2}$	
S1	S6

1948

Deposit a limestone, 8 x 6 x 6 ins., marked X, at the base of the post.

Cor. set in fence line bearing N. and S.

- 70.10 Intersection of fence from the E. and S.  $70^{\circ}$  W., with fence bearing N. and S.
- 71.40 Dry channel of East Fork Sevier River, 150 lks. wide, 10 ft. deep, drains E.
- 77.60 The NW. cor. of an old log cabin, bears East, 7 lks. dist.

## DEPENDENT RESURVEY OF EAST BOUNDARY OF T. 36 S., R. 4 W.

Chains

80.11

Point for the closing cor. of Ts. 36 S., Rs. 3 and 4 W., at proportionate distance bet. the standard cor. of Ts. 3 S., Rs. 3 and 4 W., and the standard  $\frac{1}{2}$  sec. cor. S. bdy. of sec. 31, T. 35 S., R. 3 W. No trace of the closing township cor. could be found.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, 6 ft. base, 9 ins. high, with brass cap marked

T35S R3W  
S31

S1	S6
R4W	R3W
T36S	
CC	

1948

Deposit a limestone, 10 x 10 x 6 ins., marked X, at the base of the post.

From this closing cor., the standard cor. of Ts. 35 S., Rs. 3 and 4 W., bears S.  $89^{\circ}51'$  W., 8.60 chs. dist.

Closing cor. set at the NW. cor. of an old fence bearing S. and E.

Land, rolling top of plateau.

Soil, shallow gravel, clay, and sand.

No timber; undergrowth of sage and rabbit brush, greasewood, browse, and weeds.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Reestablishment of surveys executed by  
T.C. Bailey and J.G. Burrill, Deputy  
Surveyors, in 1876.

August 2, 1948: Stationed at the cor. of secs. 35 and 36 on the S. bdy. of T. 36 S., R. 4 W., which is marked by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record of the survey of T. 37 S., R. 4 W., Group 328, Utah, in approximate latitude  $37^{\circ}37'$  N., longitude  $112^{\circ}11'$  W., at 9h 16.7m 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 about 10 chains to the north, in a counter clockwise direction to the star.

Local mean time of observation.....	8h 48.0m a.m.
Mean horizontal deflection angle.....	$0^{\circ} 46.0'$
Azimuth of Polaris.....	$1^{\circ} 02.0'$ W.
True bearing to flag.....	N. $0^{\circ}16'$ W.

Thence, from the above cor.,

N.  $0^{\circ}16'$  W., bet. secs. 35 and 36.

Over rolling top of high plateau through medium dense timber and short undergrowth. Line follows along wire fence bearing northerly and along the W. bdy. of Bryce Canyon National Park.

5.90

Shallow draw, drains NE.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

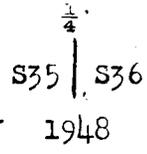
Chains

- 13.00 Low spur, slopes E.
- 15.50 Shallow draw, drains NE.
- 20.00 Low spur, slopes NE.
- 24.50 Graded and gravelled park service road, bears E. and W.
- 25.00 Shallow draw, drains E.

40.35 The  $\frac{1}{4}$  sec. cor. of secs. 35 and 36, which is marked by a limestone, 10 x 10 x 4 ins., firmly set, marked  $\frac{1}{4}$  on W. face. Cor. is not witnessed.

At the cor. point.

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



from which

A yellow pine, 8 ins. diam., bears N. 32° E., 69 lks. dist., marked  $\frac{1}{4}$  S36 BT.

A yellow pine, 18 ins. diam., bears S. 65°30' W., 107 lks. dist., marked  $\frac{1}{4}$  S35 BT.

Deposit the stone cor. monument alongside the iron post. Cor. set 2 lks. W. of wire fence bearing N. and S.

N. 0°08' E., beginning new measurement.

Continue over rolling land through medium dense timber and short undergrowth.

- 2.10 Low spur, slopes NE., 4.00 chs. dist. to end.
- 15.00 Low spur, slopes E., 2.00 chs. dist. to end.
- 19.50 Shallow draw, drains N. 70° E.
- 31.80 Low spur, slopes E., 5.00 chs. dist. to end.
- 39.00 Shallow draw, drains N. 70° E.

40.37 Point for the cor. of secs. 25, 26, 35, and 36; cor. stone is missing and the point for cor. was established by record course and distance from its two bearing trees.

A yellow pine, 30 ins. diam., bears N. 85° E., 70 lks. dist., marked S25 T36S R4W BT.

A yellow pine, 20 ins. diam., bears S. 45° E., 30 lks. dist., upon which I find dim scribe marks. Not effacing the original marks, I blaze and mark this tree T36S R4W S36 BT.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a small mound of stone, with brass cap marked.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

T36S R4W	
S26	S25
S35	S36

1948

from which

A yellow pine, 12 ins. diam., bears N.  $49^{\circ}$  E., 116 lks. dist., marked T36S R4W S25 BT.

A yellow pine, 12 ins. diam., bears S.  $14^{\circ}30'$  W., 97 lks. dist., marked T36S R4W S35 BT.

A yellow pine, 12 ins. diam., bears N.  $39^{\circ}$  W., 57 lks. dist., marked T36S R4W S26 BT.

From the cor., the junction of fence from the E. with fence bearing N. and S., bears S.  $26^{\circ}30'$  E., 15 lks. dist.

Land, rolling top of plateau.

Soil, gravel, clay, and sand.

Timber, pine, fir, spruce, juniper, and aspen; undergrowth of sagebrush and weeds.

From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township.

N.  $89^{\circ}42'$  W., bet. secs. 25 and 36, and through Bryce Canyon National Park.

Over rolling top of high plateau, through medium dense timber and short undergrowth; descend 180 ft. over W. slope to the head of Daves Hollow.

15.25 The main road through Bryce Canyon National Park, bears N. to checking station and S. to lodge, and Rainbow Point

25.50 Bottom of grassy draws from the SE. and S., which form the head of Daves Hollow drains N.  $20^{\circ}$  W.; ascend 90 ft. over E. slope to ridge.

34.25 Main telephone line, bears N.  $8^{\circ}30'$  E. and S.  $8^{\circ}30'$  W.

34.50 The NE. cor. of fences bearing S. and W., bears South, 43 lks. dist.; thence along N. side of fence.

39.67 Wire fence, bears N., and South, 39 lks. dist. to its junction with fence bearing E. and W.

39.72 Electric power line, bears N. and S.

40.00 The  $\frac{1}{4}$  sec. cor. of secs. 25 and 36, which is marked by a limestone, 10 x 8 x 4 ins., firmly set, marked  $\frac{1}{4}$  on N. face

from which

A yellow pine, 16 ins. diam., bears N.  $20^{\circ}$  W., 16 lks. dist.; marked  $\frac{1}{4}$  S BT.

No trace of bearing tree to the SE. found.

At the cor. point.

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

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

$\frac{1}{4}$  S25

S36

1948

No other suitable bearing tree available.

Deposit the stone cor. monument alongside the iron post.

From the  $\frac{1}{4}$  sec. cor., the intersection of fence from the N. with fence bearing E. and W., bears S. 40°45' E., 52 lks. dist.

S. 89°41' W., beginning new measurement.

Ascend gradual E. slope.

13.60 Low ridge, bears N. 20° E. and S. 20° W.; descend 60 ft. over W. slope.

28.00 Small wash in shallow draw, drains N. 20° E.; ascend 60 ft. over E. slope to cor.

40.36 The cor. of secs. 25, 26, 35, and 36.

Land, rolling top of plateau.

Soil, shallow clay and sand.

Timber, medium dense pine, fir, spruce, juniper and aspen; undergrowth of sagebrush, browse, and weeds.

N. 0°26' E., bet. secs. 25 and 26, and along the W. bdy. of Bryce Canyon National Park.

Over rolling top of high plateau, through medium dense timber and short undergrowth; line follows along W. side of wire fence.

4.40 Low spur, slopes E.

13.80 Shallow draw, drains N. 70° E.

18.30 Low spur, slopes NE.

39.88 The  $\frac{1}{4}$  sec. cor. of secs. 25 and 26, which is marked by a limestone, 12 x 8 x 6 ins., firmly set, marked  $\frac{1}{4}$  on N. face. Cor. is not witnessed.

At the cor. point.

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

$\frac{1}{4}$   
S26 | S25

1948

from which

A yellow pine, 18 ins. diam., bears S. 83° E., 122 lks. dist., marked  $\frac{1}{4}$  S25 BT.

A yellow pine, 12 ins. diam., bears N. 75°45' W., 230 lks. dist., marked  $\frac{1}{4}$  S26 BT.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

Cor. forms an angle point in the boundary of Bryce Canyon National Park and is set at the NW. cor. of fences bearing E. and S. Deposit the stone cor. monument alongside the iron post.

N.  $0^{\circ}24'$  E., beginning new measurement.

Continue through medium dense timber.

13.50 Wash, 50 lks. wide, 5 ft. deep, in shallow draw, drains NE.

38.40 Leave timber and enter bottom lands of Daves Hollow bears N.  $60^{\circ}$  W. and S.  $60^{\circ}$  E.; thence across bottom land of hollow draining N.  $60^{\circ}$  W.

40.31 The cor. of secs. 23, 24, 25, and 26, which is marked by a limestone, 14 x 10 x 6 ins., firmly set, marked 1 notch on E. edge and 2 notches on S. edge. Cor. is not witness

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in ground and surrounded by a small mound of stone, with brass cap marked

T36S	R4W
S23	S24
S26	S25

1948

from which

A yellow pine, 18 ins. diam., bears S.  $10^{\circ}$  W., 331 lks. dist., marked T36S R4W S26 BT.

No other bearing trees available.

Deposit the stone cor. monument alongside the iron post.

Land, rolling top of plateau.

Soil, gravel, clay, and sand.

Timber, pine, fir, spruce, aspen, and juniper; undergrowth of sagebrush, browse, and weeds.

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

N.  $89^{\circ}55'$  W., bet. secs. 24 and 25, and along the N. bdy of Bryce Canyon National Park.

Over rolling top of high plateau, through medium dense timber and short undergrowth. Line follows along fence line.

0.30 Main telephone line, bears N.  $30^{\circ}$  E. and S.  $30^{\circ}$  W.

13.15 The intersection of electric power line from S.  $85^{\circ}$  E., with power line bearing N.  $10^{\circ}$  E. and S.  $30^{\circ}$  W.

15.10 Small spur, slopes N.  $30^{\circ}$  E.

21.00 Small spur, slopes N.  $20^{\circ}$  W., about 6.00 chs. dist., then N.  $30^{\circ}$  E.

24.00 Shallow draw, drains NW.

28.60 Low ridge, bears N. and S.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

59.50 Wire fence; bears S., and N. 21 lks. dist., thence easterly.

39.82 Point for the 1/4 sec. cor. of secs. 24 and 25, at proportionate distance. No trace of the 1/4 sec. cor. of the original survey could be found.

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

S24  
S25

1948

from which

A yellow pine, 16 ins. diam., bears N. 38°30' E., 99 lks. dist., marked S24 BT.

A yellow pine, 16 ins. diam., bears South, 38 lks. dist., marked S25 BT.

The 1/4 sec. cor. forms an angle point of the boundary of Bryce Canyon National Park.

From the 1/4 sec. cor., the NW. cor. of park fence bearing E. and S., bears N. 56°00' E., 39 lks. dist.

68.10 Wide shallow draw, drains S. 30° W. into Daves Hollow.

71.10 Low spur, slopes S.

74.00 Enter bottom lands of Daves Hollow and leave timber, bears NW. and SE.

76.10 Small wash in bottom of Daves Hollow, drains NW.

79.64 The cor. of secs. 23, 24, 25, and 26.

Land, rolling top of high plateau.  
Soil, shallow clay, gravel, and sand.  
Timber, pine, fir, spruce, juniper and aspen; undergrowth of sagebrush, browse, and weeds.

N. 0°15' E., bet. secs. 23 and 24.

Across bottom lands of Daves Hollow, through medium dense short undergrowth.

3.20 Small wash in bottom of Daves Hollow, drains NW.; continue over bottom lands.

11.20 Leave bottom lands of Daves Hollow, bears NW. and SE.; ascend 100 ft. over S. slope through medium dense timber.

16.80 Low spur, slopes NW.

31.70 Shallow draw, drains N. 70° W.

39.90 The 1/4 sec. cor. of secs. 23 and 24, which is marked by a limestone, 16 x 10 x 4 ins., firmly set, marked 1/4 on W. face.

from which

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

The stump of a yellow pine, 14 ins. diam., bears N. 60° W., 3 lks. dist., marked  $\frac{1}{4}$  S BT.

A dead yellow pine, 14 ins. diam., bears S. 23° E., 39 lks. dist., marked  $\frac{1}{4}$  S BT.

At the cor. point.

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

$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S23} \quad | \quad \text{S24} \\ \hline 1948 \end{array}$$

from which

A yellow pine, 8 ins. diam., bears N. 77°15' E., 83 lks. dist., marked  $\frac{1}{4}$  S24 BT.

A yellow pine, 12 ins. diam., bears S. 45°45' W., 24 lks. dist., marked  $\frac{1}{4}$  S23 BT.

Deposit the stone cor. monument alongside the iron post.

N. 0°13' W., beginning new measurement.

2.80 Shallow draw, drains S. 80° W.

34.70 Shallow draw, drains N. 20° E.

40.00 The cor. of secs. 13, 14, 23, and 24, which is marked by a limestone, 12 x 8 x 3 ins., firmly set, marked 3 grooves on S. face and 1 groove on E. face.

from which

A yellow pine, 16 ins. diam., bears N. 12° E., 49 lks. dist., upon which I find dim scribe marks. Not effacing the original marks, I blaze and mark this tree T36S R4W S13 BT.

A dead yellow pine, 14 ins. diam., bears N. 85° W., 20 lks. dist., marked S14 T36S R4W BT.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

$$\begin{array}{c} \text{T36S R4W} \\ \hline \text{S14} \quad | \quad \text{S13} \\ \hline \text{S23} \quad | \quad \text{S24} \\ \hline 1948 \end{array}$$

from which

A yellow pine, 12 ins. diam., bears S. 31°30' E.; 50 lks. dist., marked T36S R4W S24 BT.

A yellow pine, 16 ins. diam., bears S. 25° W., 65 lks. dist., marked T36S R4W S23 BT.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

A yellow pine, 10 ins. diam., bears N. 10°45' W., 107 lks. dist., marked T36S R4W S14 BT.

Deposit the stone cor. monument alongside the iron post.

Land, rolling top of high plateau.

Soil, shallow gravel, clay, and sand.

Timber, medium dense pine, fir, spruce, aspen, and juniper; undergrowth of sagebrush, browse, and weeds.

From the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the township.

S. 89°28' W., bet. secs. 13 and 24.

Over rolling top of high plateau, through medium dense timber and short undergrowth.

39.28 The 1/4 sec. cor. of secs. 13 and 24, marked by a limestone, 15 x 12 x 6 ins., firmly set, marked 1/4 on N. face.

from which

A dead yellow pine, 26 ins. diam., bears S. 39°45' E., 29 lks. dist., marked 1/4 S BT.

At the cor. point.

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

1/4 S13  
S24  
1948

from which

A yellow pine, 10 ins. diam., bears S. 26°45' W., 52 lks. dist., marked 1/4 S24 BT.

A yellow pine, 12 ins. diam., bears N. 79°30' W., .96 lks. dist., marked 1/4 S13 BT.

Deposit the stone cor. monument alongside the iron post.

West, beginning new measurement.

Continue over rolling land.

3.30 Low spur, slopes N. 20° E.

14.90 Shallow draw, drains N.

22.00 Low spur, slopes N.

28.90 Wide shallow draw, drains N.

32.80 Low red shale knoll on low spur, slopes N. 20° E.

38.50 Shallow draw, drains N. 20° E.

40.26 The cor. of secs. 13, 14, 23, and 24.

Land, rolling top of plateau.

Soil, shallow clay, gravel, and sand.

Timber, pine, fir, spruce, juniper, and aspen; undergrowth

Chains

of sagebrush, browse, and weeds.

N. 0°12' W., bet. secs. 13 and 14.

Over rolling top of high plateau, through medium dense timber and undergrowth.

21.50 Shallow draw, drains NE.

40.23 The  $\frac{1}{4}$  sec. cor. of secs. 13 and 14, which is marked by a limestone, 18 x 8 x 6 ins., firmly set, marked  $\frac{1}{4}$  on W. face. No trace of the original bearing trees found.

At the cor. point.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and in a mound of stone, 5 ft. base, 1 ft. high, with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \text{S14} \mid \text{S13} \\ 1948 \end{array}$$

from which

A yellow pine, 12 ins. diam., bears S. 66° E., 14 lks. dist., marked  $\frac{1}{4}$  S13 BT.A yellow pine, 14 ins. diam., bears S. 23° W., 38 lks. dist., marked  $\frac{1}{4}$  S14 BT.

Deposit the stone cor. monument alongside the iron post.

N. 0°05' W., beginning new measurement.

Continue over rolling land.

10.20 Barbed wire fence, bears E. and W.; leave timber, bears with fence.

13.00 Tropic Canal, stream 20 lks. wide, 12 ins. deep, in channel, 50 lks. wide, 6 ft. deep, flows E.

17.68 Electric power line, bears E. and W.

40.19 The cor. of secs. 11, 12, 13, and 14, which is marked by a limestone, 12 x 8 x 6 ins., firmly set, marked 1 notch on E. edge and 4 notches on S. edge. Cor. is not witnessed.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground and in a mound of stone, 5 ft. base, 1 ft. high, with brass cap marked

$$\begin{array}{c} \text{T36S R4W} \\ \text{S11} \mid \text{S12} \\ \text{S14} \mid \text{S13} \end{array}$$

1948.

Deposit the stone cor. monument alongside the iron post.

Cor. set in wire fence line bearing E. and W.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

From the cor., the W. gable of an old frame cabin, bears N. 27°51' E.; 26.06 chs. dist.

Land, rolling.

Soil, shallow clay, sand, and gravel.

Timber, pine, fir, and juniper on S. portion of mile; undergrowth of sagebrush and browse.

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

S. 89°49' W., bet. secs. 12 and 13.

Over rolling top of plateau through medium dense short undergrowth. Line follows along wire fence bearing E. and W., and along the N. edge of cultivated land.

20.10 The Intersection of fence from the S. with E. and W. fence, at the NW. cor. of cultivated land; thence through sagebrush.

39.00 Fence, bears N., and S. 20 lks. dist. to its intersection with fence bearing E. and W.

39.81 Point for the  $\frac{1}{4}$  sec. cor. of secs. 12 and 13, at proportionate distance; no trace of the original  $\frac{1}{4}$  sec. cor. found.

Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground and in a mound of stone, 5 ft. base, 1 ft. high, with brass cap marked

$$\begin{array}{r} S12 \\ \frac{1}{4} \\ \hline S13 \end{array}$$

1948

Deposit broken glass at the base of the post.

From this  $\frac{1}{4}$  sec. cor., the intersection of fence from the S. with fence bearing E. and W., bears S. 20°00' E., 21 lks. dist.

Continue along fence line bearing westerly.

48.50 Dim road, bears N. and S.

57.75 Dim road, bears N. 10° E. and S. 10° W.

79.62 The cor. of secs. 11, 12, 13, and 14.

Land, rolling.

Soil, clay and sand loam.

No timber; undergrowth of sagebrush and browse.

N. 0°12' W., bet. secs. 11 and 12.

Over rolling top of plateau, through medium dense short undergrowth.

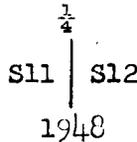
40.25 The  $\frac{1}{4}$  sec. cor. of secs. 11 and 12, which is marked by a limestone, 12 x 8 x 3 ins., firmly set, marked  $\frac{1}{4}$  on W. face. Cor. is not witnessed.

At the cor. point.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

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



Deposit the stone cor. monument alongside the iron post.

N. 0°09' W., beginning new measurement.

Continue over rolling land.

19.10 Wide shallow draw, drains NE.

29.60 Wide shallow draw, drains N. 60° E.

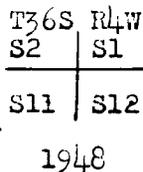
33.90 Top of S. rim of bottom lands of the East Fork Sevier River, bears NE. and SW.

35.50 Enter nearly level bottom lands of the East Fork Sevier River, 25 ft. below top of rim, bears NE. and SW.

40.31 The cor. of secs. 1, 2, 11, and 12, marked by a sandstone 16 x 8 x 6 ins., firmly set, marked 5 notches on S. edge and 1 notch on E. edge. Cor. is not witnessed and set in wire fence line bearing E. and W.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked



Deposit the stone cor. monument alongside the iron post.

Land, rolling top of high plateau.

Soil, shallow clay, gravel, and sand.

No timber; undergrowth of sage and rabbit brush, browse, and weeds.

From the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the township.

N. 89°56' W., bet. secs. 1 and 12.

Over rolling top of high plateau, through medium dense short undergrowth.

14.00 Utah State Highway No. 12, oiled surface, bears S. 78°30' E. to Bryce Canyon and N. 78°30' W. to its intersection with U.S. Highway No. 89.

17.70 Main telephone line; bears N. 78°30' W. and S. 78°30' E.

18.00 Barbed wire fence, bears N. 78°30' W. and S. 78°30' E.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

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

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

$$\frac{1}{4} \frac{S1}{S12}$$

1948

From this  $\frac{1}{4}$  sec. cor., the  $\frac{1}{4}$  sec. cor. monument of the original survey which was found out of place, bears S.  $65^{\circ}00'$  E., 37 lks. dist., which is a limestone, 8 x 6 x 3 ins., lying on the ground, marked  $\frac{1}{4}$  on top face.

I deposit the cor. monument alongside the iron post.

52.50 Unimproved road, bears N.  $20^{\circ}$  E. and S.  $20^{\circ}$  W.

56.20 Short draw, 40 ft. deep, drains N.  $10^{\circ}$  E.

61.50 Enter bottom lands of the East Fork Sevier River, bears NE. and SW.

65.30 The SE. cor. of wire fence, bears W., and NE. about 6.00 chs. dist., thence N.; thence along fence line.

79.75 The cor. of secs. 1, 2, 11, and 12.

Land, rolling top of high plateau and bottom lands of East Fork Sevier River.

Soil, shallow gravel, clay, and sand.

No timber; undergrowth of sage and rabbit brush, browse, and weeds.

N.  $0^{\circ}30'$  W., bet. secs. 1 and 2.

Over nearly level bottom lands of the East Fork Sevier River, through medium dense short undergrowth.

12.60 Wire fence, bears N.  $77^{\circ}15'$  W. and S.  $77^{\circ}15'$  E.

12.68 Main telephone line, bears N.  $77^{\circ}15'$  W. and S.  $77^{\circ}15'$  E.

13.40 Utah State Highway No. 12, oiled surface, bears S.  $77^{\circ}15'$  E. to Bryce Canyon and N.  $77^{\circ}15'$  W. to its junction with U.S. Highway No. 89.

13.92 From this point, U.S. Geological Survey bench mark No. H-31, bears S.  $80^{\circ}$  E., 2.60 chs. dist. Bench mark is a brass tablet set in a concrete block. Elevation 7614.456 ft.

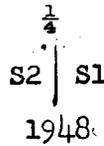
14.00 Wire fence, bears N.  $77^{\circ}15'$  W. and S.  $77^{\circ}15'$  E.

30.10 Dry channel of the East Fork Sevier River, 50 lks. wide, 10 ft. deep, drains S.  $10^{\circ}$  E. from the W.

39.98 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 2, at proportionate distance; no trace of the original  $\frac{1}{4}$  sec. cor. found.

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

Chains



Deposit a sandstone 6 x 6 x 5 ins., marked X, at the base of the post.

Continue over bottom lands of river.

- 44.60 Small stream in wash, 40 lks. wide, 10 ft. deep, flows E
- 45.90 Leave bottom lands of the East Fork Sevier River, bears E. and W.; ascend gradually over rolling bench land.
- 47.90 Forest Service telephone line, bears N. 28°45' E. and S. 28°45' W.
- 65.00 Enter timber at base of mountainous land, bears E. and W ascend 240 ft. over S. slope.
- 77.20 Top of rocky ridge, bears E. and W.; descend 50 ft. over N. slope to cor.
- 79.96 The closing cor. of secs. 1 and 2, T. 36 S., R. 4 W., which is marked by a quartzite stone, 12 x 8 x 3 ins., firmly set, marked 6 notches on S. edge, 1 notch on E. edge, and 5 notches on W. edge.

from which

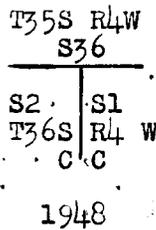
A yellow pine, 12 ins. diam., bears S. 77° E., 53 lks. dist., marked S1 T36S R4W BT. Not effacing these marks I blaze this tree and mark same T36S R4W S1 CC BT.

A yellow pine, 8 ins. diam., bears S. 15° E., 16 lks. dist., marked S1 T36S R4W BT.

There is no official record of these bearing trees.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in t ground and surrounded by a mound of stone, with brass ca marked



from which

A yellow pine, 12 ins. diam., bears S. 49°30' W., 22 1 dist., marked T36S R4W S2 CC BT.  
Deposit the stone cor. monument alongside the iron post. From this cor., the standard cor. of secs. 35 and 36, T. 35 S., R. 4 W., bears S. 89°58' W., 8.58 chs. dist.

Land, mountainous on N. portien and rolling on S. portio  
Soil, deep clay and sand.

Timber, yellow pine and juniper on N. portion of mile; undergrowth of sage and rabbit brush, greasewood, browse and weeds.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

## Chains

The point for the  $\frac{1}{4}$  sec. cor. of sec. 1 on the N. bdy. of T. 36 S., R. 4 W., is at midpoint bet. the closing cor. of Ts. 36 S., Rs. 3 and 4 W., and the closing cor. of secs. 1 and 2.

At the cor. point.

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

$\frac{1}{4}$  S1

1948

from which

A yellow pine, 14 ins. diam., bears S.  $37^{\circ}45'$  W., 118 lks. dist., marked  $\frac{1}{4}$  S1 BT.

A pinon, 21 ins. diam., bears S.  $36^{\circ}15'$  E., 82 lks. dist., marked  $\frac{1}{4}$  S1 BT.

From this  $\frac{1}{4}$  sec. cor., the standard  $\frac{1}{4}$  sec. cor. of sec. 36, T. 35 S., R. 4 W., bears S.  $89^{\circ}58'$  W., 8.59 chs. dist.

From the cor. of secs. 34 and 35, on the S. bdy. of the township, which is marked by an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 37 S., R. 4 W., Group 328, Utah

N.  $0^{\circ}50'$  W., bet. secs. 34 and 35.

Over rolling top of high plateau through medium dense timber and short undergrowth; ascend 30 ft. over S. slope.

2.00 Spur, slopes W.; descend 90 ft. over NW. slope.

16.90 Bend in Forest Service road, bears S.  $80^{\circ}$  W. and S.  $80^{\circ}$  E.

20.00 Wash, 100 lks. wide, 20 ft. deep, in draw, drains W.; ascend 140 ft. over S. slope.

37.00 Spur, slopes SW.

40.00 The  $\frac{1}{4}$  sec. cor. of secs. 34 and 35, which is marked by a limestone, 10 x 10 x 4 ins., firmly set, marked  $\frac{1}{4}$  on W. face.

from which

A yellow pine, 20 ins. diam., bears S.  $17^{\circ}$  W., 86 lks. dist., marked  $\frac{1}{4}$  S BT.

A yellow pine, 24 ins. diam., bears N.  $15^{\circ}45'$  W., 65 lks. dist., marked  $\frac{1}{4}$  S BT.

At the cor. point.

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

S34 | S35

1948

Chain

from which.

A yellow pine, 10 ins. diam., bears S.  $36^{\circ}30'$  E., 15 dist., marked  $\frac{1}{2}$  S35 BT.

A yellow pine, 16 ins. diam., bears N.  $10^{\circ}15'$  W., 200 lks. dist., marked  $\frac{1}{2}$  S34 BT.

Deposit the stone cor. monument alongside the iron post.

N.  $0^{\circ}26'$  W., beginning new measurement.

Descend 60 ft. along a NW. slope.

11.50 Wide shallow draw, drains SW.; ascend 50 ft. over SE. slope to the sec. cor.

19.63 The cor. of secs. 26, 27, 34, and 35, which is marked by a limestone, 20 x 14 x 6 ins., firmly set, marked 1 notch on S. edge and 2 notched on E. edge. No trace of the original bearing trees found.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

T36S	R4W
S27	S26
S34	S35

1948

from which

A yellow pine, 8 ins. diam., bears N.  $25^{\circ}45'$  E., 122 lks. dist., marked T36S R4W S26 BT.

A yellow pine, 8 ins. diam., bears S.  $37^{\circ}45'$  E., 56 lks. dist., marked T36S R4W S39 BT.

A yellow pine, 10 ins. diam., bears S.  $37^{\circ}15'$  W., 135 lks. dist., marked T36S R4W S34 BT.

A yellow pine, 20 ins. diam., bears N.  $2^{\circ}30'$  W., 67 lks. dist., marked T36S R4W S27 BT.

Deposit the stone cor. monument alongside the iron post.

Land, rolling top of plateau.

Soil, shallow gravel, clay, and sand.

Timber, juniper, pine, fir, spruce, and aspen; undergrowth of sagebrush, browse, manzanita, and weeds.

from the cor. of secs. 25, 26, 35, and 36.

S.  $85^{\circ}55'$  W.; bet. secs. 26 and 35.

Over rolling top of high plateau, through medium dense timber and short undergrowth; ascend 80 ft. over E. slope.

11.00 Spur, slopes E.  $20^{\circ}$  E.; descend 70 ft. over W. slope.

20.30 Shallow draw, drains E.; ascend 90 ft. over E. slope.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains	
29.00	Low ridge, bears N. 30° W. and S. 30° E.; descend 30 ft. over W. slope to the $\frac{1}{4}$ sec. cor.
39.86	The $\frac{1}{4}$ sec. cor. of secs. 26 and 35, which is marked by a limestone, 18 x 12 x 6 ins., firmly set, marked $\frac{1}{4}$ on N. face. No trace of the original bearing trees found.  At the cor. point; in bottom of shallow draw, drains N. 10° E.  Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked  $\begin{array}{r} S26 \\ \frac{1}{4} \\ \hline S35 \\ 1948 \end{array}$  from which  A yellow pine, 8 ins. diam., bears N. 84°15' E., 100 lks. dist., marked $\frac{1}{4}$ S26 BT.  A yellow pine, 8 ins. diam., bears S. 58°15' W., 23 lks. dist., marked $\frac{1}{4}$ S35 BT. <hr/> Deposit the stone cor. monument alongside the iron post.
	S. 89°50' W., beginning new measurement.  Ascend 40 ft. over E. slope to spur.
3.30	Low spur, slopes N. 10° W.
12.20	Shallow draw, drains NW.
17.80	Low spur, slopes N. 30° W.
31.80	Wash, 30 lks. wide, 4 ft. deep, in shallow draw, drains SW.
40.10	The cor. of secs. 26, 27, 34, and 35.  Land, rolling top of high plateau. Soil, shallow clay and sand. Timber, medium dense pine, fir, spruce, juniper, and aspen; undergrowth of sagebrush, mamzanita, browse, and weeds. <hr/>
	N. 0°04' W., bet. secs. 26 and 27.  Over rolling top of high plateau, through medium dense timber and short undergrowth; ascend 110 ft. over a SW. slope.
25.00	Low ridge, bears NW. and SE.
29.00	Head of shallow draw, drains NW.
39.96	The $\frac{1}{4}$ sec. cor. of secs. 26 and 27, which is marked by a limestone, 12 x 8 x 4 ins., firmly set, marked $\frac{1}{4}$ on W. face. No trace of the original bearing tree found.  At the cor. point.  Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

$$\frac{1}{4}$$

S27	S26
1948	

from which

A yellow pine, 10 ins. diam., bears S.  $64^{\circ}15'$  E.,  
55 lks. dist., marked  $\frac{1}{4}$  S26 BT.

A yellow pine, 8 ins. diam., bears S.  $45^{\circ}15'$  W., 35 lks.  
dist., marked  $\frac{1}{4}$  S27 BT.

Deposit the stone cor. monument alongside the iron post.

N.  $0^{\circ}11'$  W., beginning new measurement.

Continue over rolling land.

- 3.50 Shallow draw, drains NE.  
 25.70 Low spur, slopes N.  $70^{\circ}$  E.  
 30.50 Shallow draw, drains N.  $60^{\circ}$  E.  
 39.96 The cor. of secs. 22, 23, 26, and 27, which is marked by  
 a limestone, 10 x 10 x 6 ins., firmly set, marked 2 notches  
 on E. and S. edge. No trace of bearing trees found.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the  
 ground and surrounded by a mound of stone, with brass cap  
 marked

T36S	R4W
S22	S23
S27	S26
1948	

from which

A yellow pine, 10 ins. diam., bears N.  $17^{\circ}30'$  E.,  
64 lks. dist., marked T36S R4W S23 BT.

A juniper, 8 ins. diam., bears S.  $19^{\circ}$  E., 16 lks.  
dist., marked T36S R4W S26 BT.

A juniper, 6 ins. diam., bears S.  $60^{\circ}45'$  W., 14 lks.  
dist., marked T36S R4W S27 BT.

A yellow pine, 8 ins. diam., bears N.  $49^{\circ}$  W., 64 lks.  
dist., marked T36S R4W S22 BT.

Deposit the stone cor. monument alongside the iron post.

Land, rolling top of high plateau.

Soil, shallow gravel, clay, and sand.

Timber, medium dense sagebrush, manzanita, browse, and  
weeds.

From the cor. of secs. 23, 24, 25, and 26.

N.  $89^{\circ}50'$  W., bet. secs. 23 and 26.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

Over bottom lands of Daves Hollow, through medium dense short undergrowth.

2.90 Leave bottom lands of Daves Hollow and ascend gradually over rolling land through medium dense timber, bears NW. and SE.

33.70 Shallow draw, drains N. 30° E.

40.19 The 1/4 sec. cor. of secs. 23 and 26, which is marked by a limestone, 24 x 14 x 8 ins., firmly set, marked 1/4 on N. face.

from which

The stump of a dead yellow pine, 24 ins. diam., bears N. 34°15' E., 29 lks. dist., marked 1/4 S BT.

A dead yellow pine, 26 ins. diam., bears S. 45° E., 30 lks. dist., marked 1/4 S BT.

At the cor. point.

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

S23  
1/4  
S26  
1948

From which

A yellow pine, 10 ins. diam., bears S. 36°30' E., 68 lks. dist., marked 1/4 S26 BT.

A yellow pine, 12 ins. diam., bears N. 58°45' W., 44 lks. dist., marked 1/4 S23 BT.

Deposit the stone cor. monument alongside the iron post.

S. 89°12' W., beginning new measurement.

Continue over rolling land, through medium dense timber.

5.20 Low ridge, bears N. and S.

15.80 Wash in shallow draw, drains N. 10° W.

20.30 Wash in shallow draw, drains N. 20° E.

36.00 Shallow draw, drains NE.

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

Land, rolling top of high plateau.  
Soil, shallow clay, sand, and gravel.  
Timber, medium dense pine, fir, spruce, juniper, and aspen; undergrowth of sage and rabbit brush, manzanita, browse, and weeds.

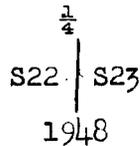
North, bet. secs. 22 and 23.

Over rolling top of high plateau, through medium dense timber and short undergrowth.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

- 6.90 Shallow draw, drains E.
- 12.50 Low spur, slopes E.
- 40.14 The  $\frac{1}{4}$  sec. cor. of secs. 22 and 23, which is marked by a limestone, 20 x 14 x 3 ins., firmly set, marked  $\frac{1}{4}$  on W. face.
- from which
- A dead yellow pine; 15 ins. diam., bears S. 2° E., 45 lks. dist., marked  $\frac{1}{4}$  S BT.
- No trace of the bearing tree to the NW. found.
- At the cor. point.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked



- from which
- A yellow pine, 14 ins. diam., bears S. 9° E., 56 lks. dist., marked  $\frac{1}{4}$  S23 BT.
- A yellow pine, 16 ins. diam., bears N. 9° W., 83 lks. dist., marked  $\frac{1}{4}$  S22 BT.
- Deposit the stone cor. monument alongside the iron post.

N. 0°04' E., beginning new measurement.

Continue over rolling top of plateau.

- 2.50 Ravine, 75 ft. deep, drains N. 60° E.
- 6.20 Low spur, slopes NE.
- 24.40 Shallow draw, drains NE.
- 40.12 The cor. of secs. 14, 15, 22, and 23, which is marked by a limestone, 14 x 8 x 4 ins., firmly set, marked 3 notches on S. edge and 2 notches on E. edge.
- from which
- A yellow pine, 12 ins. diam., bears N. 30°15' E.; 89 lks. dist., marked S14 BT. Not effacing the original marks, I blaze and mark this tree T36S R4W S14 BT.
- A yellow pine, 16 ins. diam., bears S. 85°30' E., 53 lks. dist., marked S23 BT. Not effacing the original marks, I blaze and mark this tree T36S R4W S23 BT.
- A yellow pine, 16 ins. diam., bears S. 51°15' W., 22 lks. dist., marked S22 T36S R4W BT. Not effacing the original marks, I blaze and mark this tree T36S R4W S22 BT.
- A yellow pine, 16 ins. diam., bears N. 41°30' W., 14 lk dist., marked S15 BT. Not effacing the original marks, I blaze and mark this tree T36S R4W S15 BT.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a large mound of stone, with brass cap marked

T36S	R4W
S15	S14
S22	S23

1948

Deposit the stone cor. monument alongside the iron post.

Land, rolling top of plateau.

Soil, shallow gravel, clay, and sand.

Timber, medium dense sage and rabbit brush, manzanita, browse, and weeds.

From the cor. of secs. 13, 14, 23, and 24.

S. 89°50' W., bet. secs. 14 and 23.

Over rolling top of high plateau, through medium dense timber and short undergrowth.

16.60 Shallow draw, drains N. 20° E.

17.00 Timber becomes more dense, bears N. and S.

40.56 The  $\frac{1}{4}$  sec. cor. of secs. 14 and 23, which is marked by a limestone, 16 x 12 x 2 ins., firmly set, marked  $\frac{1}{4}$  on N. face.

from which

The stump of a dead yellow pine, 30 ins. diam., bears S. 6° W., 61 lks. dist., marked  $\frac{1}{4}$  S BT.

The stump of a dead yellow pine, 20 ins. diam., bears N. 75° W., 19 lks. dist., marked  $\frac{1}{4}$  S BT.

At the cor. point.

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

$\frac{1}{4}$	S14
	S23

1948

from which

A yellow pine, 6 ins. diam., bears S. 44°30' W., 44 lks. dist., marked  $\frac{1}{4}$  S23 BT.

A yellow pine, 12 ins. diam., bears N. 2°45' W., 50 lks. dist., marked  $\frac{1}{4}$  S14 BT.

Deposit the stone cor. monument alongside the iron post.

N. 89°55' W., beginning new measurement.



DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

N. 0°14' W., beginning new measurement.

Ascend 50 ft. over S. slope; line follows along fence bearing N.

3.60 Spur, slope s W. From this point, the S. gable of Daves Hollow Ranger Station, bears N. 55°50' W. A spring of good water, bears N. 65°00' W. See line bet. secs. 10 and 15 for intersecting bearings.

6.50 Leave timber, bears E. and W.

18.60 Electric power line, bears E. and W.

20.20 Intersection of wire fence from the W. with N. and S. fence.

33.30 Tropic Canal, stream 20 lks. wide, 12 ins. deep, in channel 30 lks. wide, 5 ft. deep, flows NE.

40.14 The cor. of secs. 10, 11, 14, and 15, which is marked by a limestone, 14 x 12 x 10 ins., firmly set, marked 4 grooves on S. face and 2 grooves on E. face. Cor. is not witnessed and is set at the intersection of wire fence from the E. with fence bearing N. and S.

At the cor. point.

Set an iron post, 7 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a large mound of stone, with brass cap marked

310	311
313	314

1948

Deposit the stone cor. monument along side the iron post.

Land, rolling.

Soil, shallow gravel.

Timber, pine and juniper on S. portion of mile; undergrowth of sage and rabbit brush, browse, and weeds.

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

N. 89°57' W., bet. secs. 11 and 14.

Over rolling top of plateau, through medium dense short undergrowth; line follows along fence.

3.20 Intersection of fence from the S. with E. and W. fence.

40.56 The 4 sec. cor. of secs. 11 and 14, which is marked by a limestone, 12 x 8 x 6 ins., firmly set, marked 4 on N. face. Cor. is not witnessed and is set at the cor. of wire fences bearing E. and S.

At the cor. point.

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

Chains

$\frac{1}{4}$  S11

S14

1948

Deposit the stone cor. monument alongside the iron post.

S. 89°45' W., beginning new measurement.

- 20.00 The NE. cor. of wire fences bearing S. and W.; thence along fence.
- 20.30 The S. gable of an old cabin, bears North, 54 lks. dist.
- 40.26 The cor. of secs. 10, 11, 14, and 15.

Land, rolling.  
Soil, shallow gravel, clay and sand.  
No timber; undergrowth of sagebrush, browse, and weeds.

N. 0°05' W., bet. secs. 10 and 11.

Over rolling top of high plateau, through medium dense short undergrowth. Line follows along fence bearing N. and S.

- 3.90 Intersection of wire fence from the W. with N. and S. fence.
- 20.80 Enter bottom lands of the East Fork Sevier River, at the mouth of Daves Hollow draining from S. 20° W., bears NE. and SW.
- 29.20 Small stream from Daves Hollow, flows N. 30° E.
- 32.60 Wash, 30 lks. wide, 8 ft. deep, drains NE.
- 38.40 Wash, 30 lks. wide, 4 ft. deep, drains NE.
- 40.22 The  $\frac{1}{4}$  sec. cor. of secs. 10 and 11, which is marked by a sandstone, 14 x 8 x 4 ins., firmly set, marked  $\frac{1}{4}$  on W. face. Cor. is not witnessed and is 39 lks. E. of fence bearing N. and S.

At the cor. point.

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

$\frac{1}{4}$   
S10 | S11

1948

Deposit the stone cor. monument alongside the iron post.

N. 0°05' W., beginning new measurement.

Over bottom lands of the East Fork Sevier River.

- 21.00 Dry channel of the East Fork Sevier River, 30 lks wide, 4 ft. deep, drains E., 1.00 ch. dist., thence N.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

- 22.00 Wash, 30 lks. wide, 4 ft. deep, drains NE.
- 32.90 Forest Service telephone line, bears N. 30° E. and S. 30° W.
- 40.30 The cor. of secs. 2, 3, 10, and 11, which is marked by a cobble stone, 12 x 10 x 5 ins., firmly set; marked 5 grooves on S. face and 2 grooves on E. face. Cor. is not witnessed and is set at the intersection of fence from the E. and fence bearing N. and S.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

T36S	R4W
S3	S2
S10	S11

1948

Deposit the stone cor. monument alongside the iron post.

Land, rolling.

Soil, deep clay and sand.

No timber; undergrowth of sage and rabbit brush, grease-wood, browse, and weeds.

From the cor. of secs. 1, 2, 11, and 12.

S. 89°53' W., bet. secs. 2 and 11.

Over bottom lands of the East Fork Sevier River, through medium dense short undergrowth. Line follows along wire fence bearing E. and W.

- 6.10 Intersection of wire fence from the E. with fence bearing E. and W.
- 38.70 Dry channel of the East Fork Sevier River, 100 lks. wide, 10 ft. deep, drains N.
- 40.41 The  $\frac{1}{4}$  sec. cor. of secs. 2 and 11, which is marked by a sandstone, 6 x 6 x 2 ins., firmly set, marked  $\frac{1}{4}$  on N. face. Cor. is not witnessed and set in fence line bearing E. and W.

At the cor. point.

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

. S2 .
$\frac{1}{4}$
S11

1948

Deposit the stone cor. monument alongside the iron post.

S. 89°53' W., beginning new measurement.

Continue along fence line bearing E. and W.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36-S., R. 4 W.

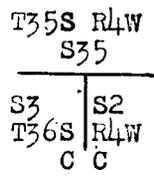
Chains	
23.20	Recross dry channel at bend in the East Fork Sevier River drains S. 80° E. from the SW.
35.00	Approximate distance, Forest Service telephone line, bears S. 30° E. and S. 30° W.
40.33	The cor. of secs. 2, 3, 10, and 11.  Land, rolling bottom lands of the East Fork Sevier River. Soil; deep clay and sand loam. No timber; undergrowth of sage and rabbit brush, browse, and weeds.
	N. 0°09' E., bet. secs. 2 and 3.  Over bottom lands of the East Fork Sevier River, through medium dense short undergrowth. Line follows along E. side of road bearing N. and S. 10° W., and along fence line bearing N.  a tributary 6.30 Dry channel of East Fork Sevier River, 150 lks. wide 10 ft. deep, flows N. 60° E.  11.00 Top of N. rim of bottom lands of river, bears E. and W.; thence over rolling top of plateau.  20.05 Intersection of fence bearing E. and W. with N. and S. fence; thence along E. side of road bearing N. and S.  39.95 The $\frac{1}{4}$ sec. cor. of secs. 2 and 3, which is marked by a limestone, 12 x 10 x 6 ins., firmly set in the ground and small mound of stone, marked $\frac{1}{4}$ on W. face. Cor. is not witnessed and set in wire fence line bearing N. and S.  At the cor. point.  Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked  $\frac{1}{4}$ S3   32 1948  Deposit the stone cor. monument alongside the iron post.  N. 0°11' W., beginning new measurement.  Continue along fence line.  9.40 The NE. cor. of fences bearing S. and N. 40° W.  10.60 Utah State Highway No. 12, oiled surface, bears S. 40° E. to Bryce Canyon and N. 40° W. to its intersection with U.S. Highway No. 89.  16.80 Telephone line, bears N. 30° W. and S. 30° E.  18.10 Small stream in bottom of wash in draw, drains S. 60° E.  23.50 Low rocky spur, slopes W., 1.50 chs. dist. to end.  25.00 The SE. cor. of fences bearing N. 10° E. and S. 80° W.  28.60 Recross stream, drains S. 20° W.  34.70 Recross stream, flows SE.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains  
40.25

Point for the closing cor. of secs. 2 and 3, T. 36 S., R. 4 W., at proportionate distance bet. the true point for the standard cor. of secs. 34 and 35, and the standard  $\frac{1}{4}$  sec. cor. of sec. 35. No trace of the original closing cor. found.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked



1948

Deposit a limestone, 10 x 10 x 6 ins., marked X, at the base of the post.

From this cor., the true point for the standard cor. of secs. 34 and 35, which is East, 1.43 chs. dist. from the witness cor., bears West, 8.56 chs. dist.

Land, rolling top of high plateau and bottom lands of East Fork Sevier River.

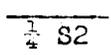
Soil, deep clay and sand loam.

No timber; undergrowth of sage and rabbit brush, browse, and weeds.

The point for the  $\frac{1}{4}$  sec. cor. of sec. 2 on the N. bdy. of T. 36 S., R. 4 W., is at midpoint bet. the closing cors. of secs. 1 and 2, and secs. 2 and 3.

At the cor. point.

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



1948

from which

A yellow pine, 12 ins. diam., bears S. 29° E., 47 lks. dist., marked  $\frac{1}{4}$  S2 BT.

A yellow pine, 12 ins. diam., bears S. 41° W., 134 lks. dist., marked  $\frac{1}{4}$  S2 BT.

From this  $\frac{1}{4}$  sec. cor., the standard  $\frac{1}{4}$  sec. cor. of sec. 35, T. 35 S., R. 4 W., bears N. 89°54' W., 8.56 chs. dist.

From the cor. of secs. 33 and 34, on the S. bdy. of the township, which is marked by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record of the survey of T. 37 S., R. 4 W., Group 328, Utah

North, bet. secs. 33 and 34.

Over rolling top of high plateau, through medium dense timber and short undergrowth.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

- 6.20 Shallow draw, drains NE.  
 11.60 Shallow draw, drains NE.  
 23.40 Shallow draw, drains NE.  
 40.03 The  $\frac{1}{4}$  sec. cor. of secs. 33 and 34, which is marked by a limestone, 10 x 6 x 2 ins., firmly set in the ground and small mound of stone, marked  $\frac{1}{4}$  on W. face. Cor. is not witnessed.

At the cor. point.

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

$$\begin{array}{c} \frac{1}{4} \\ \hline S33 \mid S34 \\ 1948 \end{array}$$

from which

A yellow pine, 12 ins. diam., bears N.  $69^{\circ}30'$  E., 76 lks. dist., marked  $\frac{1}{4}$  S34 BT.

A yellow pine, 11 ins. diam., bears N.  $63^{\circ}45'$  W., 83 lks. dist., marked  $\frac{1}{4}$  S33 BT.

Deposit the stone cor. monument alongside the iron post.

N.  $0^{\circ}21'$  W., beginning new measurement.

Continue over rolling land through medium dense timber.

- 20.10 The SW. cor. of fence bearing E. and N.; thence along fence.  
 24.90 Wash, 25 lks. wide, 10 ft. deep, in shallow draw, drains NE.  
 31.20 Low spur, slopes NE.  
 39.83 Point for the cor. of secs. 27, 28, 33, and 34, as established by record course and distance from its SW. bearing tree, a yellow pine, 18 ins. diam., bears S.  $46^{\circ}$  W. 125 lks. dist., marked S33 T36S R4W BT. No trace of the NW. bearing tree or cor. monument could be found.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

$$\begin{array}{c} T36S R4W \\ S28 \mid S27 \\ \hline S33 \mid S34 \\ 1948 \end{array}$$

from which

A yellow pine, 6 ins. diam., bears N.  $18^{\circ}45'$  E., 161 lks. dist., marked T36S R4W S27 BT.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

A yellow pine, 6 ins. diam., bears S. 27°15' E.,  
138 lks. dist., marked T36S R4W S34 BT.

A yellow pine, 12 ins. diam., bears S. 58°45' W.,  
103 lks. dist., marked T36S R4W S33 BT.

A yellow pine, 10 ins. diam., bears N. 46°00' W.,  
38 lks. dist., marked T36S R4W S28 BT.

From this cor., the NE. cor. of fences bearing W. and S.,  
bears N. 20°00' E., 13 lks. dist.

Land, rolling top of high plateau.

Soil, shallow gravel and clay.

Timber, medium dense pine, fir, spruce, juniper, and aspen;  
undergrowth of sagebrush, browse, and weeds.

From the cor. of secs. 26, 27, 34, and 35.

S. 89°55' W., bet. secs. 27 and 34.

Over rolling top of plateau, through medium dense timber  
and short undergrowth.

26.10 Shallow draw, drains SW.

36.00 Low spur, slopes SW.

39.87 Point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 34, at proport-  
ionate distance; no trace of the original  $\frac{1}{4}$  sec. cor.  
found.

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

$$\begin{array}{r} \frac{1}{4} \frac{S27}{S34} \\ 1948 \end{array}$$

from which

A yellow pine, 26 ins. diam., bears S. 72° W.,  
137 lks. dist., marked  $\frac{1}{4}$  S34 BT.

A yellow pine, 10 ins. diam., bears N. 84° W.,  
132 lks. dist., marked  $\frac{1}{4}$  S27 BT.

From cor., the NE. cor. of wire fences bearing W. and S.,  
bears N. 12° W., 43 lks. dist.

39.96 Wire fence, bears S., and N. 42 lks. dist., thence W.

44.20 Shallow draw, drains SW. Leave timber, bears NW. and SE.

47.30 Low spur, slopes S. 30° W. From this point, the SW. cor.  
of fences bearing E. and N., bears North, 41 lks. dist.  
The pump house from which the water at Bryce Canyon is  
pumped, bears S. 3°45' E., 21.10 chs. dist. The west  
gable of house over a spring, bears S. 11°26' E., 29.40  
chs. dist.

64.20 East Creek, stream 10 lks. wide, 6 ins. deep, in bottom of  
wide open draw, flows NW.

79.70 Wire fence, bears S., and N., 12 lks. dist., thence W.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

- 79.74 The cor. of secs. 27, 28, 33, and 34..  
Land, rolling top of plateau.  
Soil, shallow clay and sand.  
Timber, pine, fir, and spruce, on E. portion of mile;  
undergrowth of sagebrush, browse, and weeds.
- 
- N. 0°14' E., bet. secs. 27 and 28.  
Over rolling top of plateau, through scattered timber and  
medium dense short undergrowth.
- 0.12 Wire fence, bears W., and E. 4 lks. dist., thence S.
- 4.30 Small shallow draw, drains NE.
- 12.00 East Creek, stream 10 lks. wide, 6 ins. deep, in bottom  
wide open draw, flows W.; ascend 220 ft. over SE. slope.
- 18.00 Wire fence, bears E. and W.
- 37.00 Spur, slopes SW.; thence over rolling land.
- 40.02 The  $\frac{1}{4}$  sec. cor. of secs. 27 and 28, which is marked by a  
limestone, 8 x 6 x 4 ins., firmly set, marked  $\frac{1}{4}$  on W. face.  
No trace of the original bearing tree found.  
At the cor. point.  
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the  
ground and surrounded by a mound of stone, with brass cap  
marked.
- $\frac{1}{4}$   
 S28 | S27  
 1948
- from which
- A yellow pine, 15 ins. diam., bears N. 61°30' E.,  
41 lks. dist., marked  $\frac{1}{4}$  S27 BT.
- A yellow pine, 14 ins. diam., bears S. 25°15' W.,  
48 lks. dist., marked  $\frac{1}{4}$  S28 BT.
- Deposit the stone cor. monument alongside the iron post.
- 
- N. 1°03' W., beginning new measurement.  
Continue over rolling top of plateau.
- 3.30 Head of shallow draw, drains SW.
- 12.30 Low spur, slopes SW.
- 17.30 Low spur, slopes NW.
- 39.94 The cor. of secs. 21, 22, 27, and 28, which is marked by  
a limestone, 16 x 10 x 8 ins., firmly set, marked 3  
grooves on E. face and 2 grooves on S. face  
from which

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

A dead yellow pine, 14 ins. diam., bears N. 30° E., 16 lks. dist., marked S22 T36S R4W BT.

A juniper, 12 ins. diam., bears S. 85° E., 8 lks. dist., marked S27 BT.

No trace of the other bearing trees found.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

T36S R4W	S22
S21	S27
S28	S27

1948

from which

A yellow pine, 18 ins. diam., bears S. 28° W., 114 lks. dist., marked T36S R4W S28 BT.

A yellow pine, 12 ins. diam., bears N. 14°30' W., 125 lks. dist., marked T36S R4W S21 BT.

A yellow pine, 16 ins. diam., bears N. 42°30' E., 101 lks. dist., marked T36S R4W S22 BT.

Deposit the stone cor. monument alongside the iron post.

Land, rolling top of high plateau.

Soil, shallow gravel and clay.

Timber, pine, fir, juniper, spruce, and aspen; undergrowth of sagebrush, browse, and weeds.

From the cor. of secs. 22, 23, 26, and 27.

S. 89°52' W., bet. secs. 22 and 27.

Over rolling top of high plateau, through medium dense timber and short undergrowth; ascend 50 ft. over E. slope.

- 3.90 Low ridge, bears N. and S.
- 12.30 Shallow draw, drains NW.
- 27.50 Low spur, slopes N. 20° E.
- 31.10 Low spur, slopes N.
- 38.50 Shallow draw, drains NW.
- 39.87. The  $\frac{1}{4}$  sec. cor. of secs. 22 and 27, which is marked by a limestone, 10 x 8 x 3 ins., firmly set, marked  $\frac{1}{4}$  on N. face. No trace of the original bearing trees found.

At the cor. point.

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

$\frac{1}{4}$	S22
	S27
	1948

Chains

from which

A yellow pine, 14 ins. diam., bears S. 23°15' W., 24 lks. dist., marked  $\frac{1}{4}$  S27 BT.

A juniper, 11 ins. diam., bears N. 70°15' W., 66 lks. dist., marked  $\frac{1}{4}$  S22 BT.

Deposit the stone cor. monument alongside the iron post.

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

Continue over rolling land.

- 9.70 Low spur, slopes NW.
- 15.20 Shallow draw, drains NW.
- 21.30 Low spur, slopes N. 30° W.
- 25.70 Shallow draw, drains N. 20° W.
- 35.00 Low spur, slopes N. 30° W.
- 40.21 The cor. of secs. 21, 22, 27, and 28.

Land, rolling top of high plateau.

Soil, shallow gravel and clay.

Timber, medium dense pine, fir, spruce, juniper, and aspen; undergrowth of manzanita, sagebrush, browse, and weeds.

N. 0°03' E., bet. secs. 21 and 22.

Over rolling top of high plateau, through medium dense timber and short undergrowth; descend 190 ft. over general N. slope to the  $\frac{1}{4}$  sec. cor.

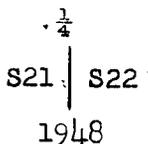
- 15.60 Shallow draw, drains N. 30° E.
- 25.00 Low spur, slopes N. 30° E.
- 29.00 Shallow draw, drains NW.
- 40.29 The  $\frac{1}{4}$  sec. cor. of secs. 21 and 22, which is marked by a limestone, 10 x 6 x 4 ins., firmly set, marked  $\frac{1}{4}$  on W. face

from which

A yellow pine, 26 ins. diam., bears N. 41°30' E., 51 lks. dist., marked  $\frac{1}{4}$  S BT.

At the cor. point.

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



from which

A yellow pine, 15 ins. diam., bears N. 55°15' E.,

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

81 lks. dist., marked  $\frac{1}{4}$  S22 BT.

A yellow. pine, 10 ins. diam., bears S. 50°15' W., 30 lks. dist., marked  $\frac{1}{4}$  S21 BT.

Deposit the stone cor. monument alongside the iron post.

N. 0°07' W., beginning new measurement.

11.90 Graded and gravelled Forest Service road, bears N. 25° E. and S. 25° W.

13.10 Wire fence, bears N. 25° E. and S. 25° W.; leave timber, bears with fence.

16.00 Line intersects a large sawmill in operation.

27.60 Electric power line, bears N. 9°30' E. and S. 9°30' W.

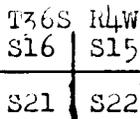
28.80 Tropic canal, stream 20 lks. wide, 12 ins. deep, in channel, 40 lks. wide, 5 ft. deep, flows NE.

38.70 Wire fence, bears E. and W.

39.10 Dry channel of the East Fork Sevier River, 40 lks. wide, 10 ft. deep, drains E., 2.00 chs. dist., thence N.; thence over bottom lands of river through very dense willows.

40.19 Point for the cor. of secs. 15, 16, 21, and 22, at proportionate distance; no trace of the original cor. found.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked



1948

Deposit a limestone, 10 x 10 x 5 ins., marked X, at the base of the post.

Cor. set in dense willows near W. bank of river channel.

Land, rolling.

Soil, deep clay and gravel.

Timber, pine and juniper on E. portion of mile; undergrowth of sagebrush, browse, and weeds.

From the cor. of secs. 14, 15, 22, and 23.

N. 89°56' W., bet. secs. 15 and 22.

Over rolling top of high plateau, through medium dense timber and short undergrowth.

9.20 Shallow draw, drains N. 20° E.

22.00 Small spur, slopes N. 10° E.

27.60 Shallow draw, drains N.

39.96 The  $\frac{1}{4}$  sec. cor. of secs. 15 and 22, which is marked by a limestone, 20 x 16 x 4 ins., firmly set, marked  $\frac{1}{4}$  on N. face.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

from which

The stump of a yellow pine, 24 ins. diam., bears N. 12° E., 31 lks. dist., marked  $\frac{1}{4}$  S. BT.

The stump of a yellow pine, 20 ins. diam., bears S. 45° E., 37 lks. dist., marked  $\frac{1}{4}$  S. BT.

At the cor. point.

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

$$\begin{array}{r} S15 \\ \frac{1}{4} \\ \hline S22 \end{array}$$

1948

from which

A yellow pine, 12 ins. diam., bears S. 28°30' E., 41 lks. dist., marked  $\frac{1}{4}$  S22 BT.

A yellow pine, 8 ins. diam., bears N. 71°15' W., 66 lks. dist., marked  $\frac{1}{4}$  S15 BT.

Deposit the stone cor. monument alongside the iron post

N. 89°48' W., beginning new measurement.

Continue over rolling land.

- 1.00 Top of low ridge, bears S. and N. 20° E.
- 8.20 Shallow draw, drains N.
- 17.80 Shallow draw, drains N., 100 lks. dist., thence NW.
- 30.10 Graded and gravelled Forest Service road, bears N. 20° E. and S. 20° W.
- 33.80 Tropic canal, stream 20 lks. wide, 12 ins. deep, flows N. 20° E., in channel 40 lks. wide, 5 ft. deep.; leave timber, bears N. 20° E. and S. 20° W.
- 37.80 Dry channel of the East Fork Sevier River, 70 lks. wide 10 ft. deep, drains N.; thence over bottom lands of river through dense willows.
- 38.10 Electric power line, bears N. 9°30' E. and S. 9°30' W.
- 40.14 The cor. of secs. 15, 16, 21, and 22.

Land, rolling.

Soil, shallow clay and sand loam.

Timber, pine, fir, juniper, and spruce; undergrowth of sagebrush, browse, and weeds.

N. 0°06' W., bet. secs. 15 and 16.

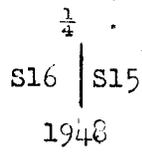
Over bottom lands of the East Fork Sevier River, through dense undergrowth of willows.

- 13.00 Dry west channel of the East Fork Sevier River, 30 lks. wide, 4 ft. deep, drains N. 30° E.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

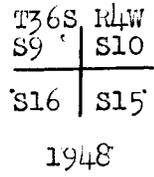
- 14.00 Wash, 40-lks. wide, 4 ft. deep, drains E.
- 24.00 Recross dry west channel of river, drains N. 30° W.
- 34.60 Wood road, bears E. and W.
- 37.00 Small stream from Ahlstram Hollow, in wash, 40 lks. wide, 3 ft. deep, flows E.
- 40.19 Point for the 1/4 sec. cor. of secs. 15 and 16 at proportionate distance; no trace of the original 1/4 sec. cor. found.  
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, with brass cap marked



from which  
A lone juniper, 4 ins. diam., bears S. 13° W., 90 lks. dist., marked BT.

- 41.90 Old fence line, bears E. and W.
- 44.00 Small stream in west channel of the East Fork Sevier River, flows N. 30° E.
- 56.70 Electric power line, bears E. and W.; leave rolling bottom lands of river and continue over rolling bench land, bears NE. and SW.
- 80.38 The cor. of secs. 9, 10, 15, and 16, which is marked by a cobble stone, 16 x 16 x 7 ins., firmly set, marked 4 grooves on S. face and 3 grooves on E. face. Cor. is not witnessed and set in wire fence line bearing E. and W. and at the E. edge of dim unimproved road, bearing NE. and SW.

At the cor. point.  
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked



Deposit the stone cor. monument alongside the iron post.  
Land, bottom lands of the East Fork Sevier River and rolling bench land.  
Soil, deep clay and sand loam in bottom lands; shallow gravel on benches.  
No timber; undergrowth of willows, sage, and rabbit brush, browse, and weeds.

From the cor. of secs. 10, 11, 14, and 15.  
N. 89°44' W., bet. secs. 10 and 15.  
Over rolling top of high plateau, through medium dense short undergrowth.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

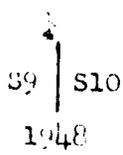
Chains	
5.90	Top of E. rim of Daves Hollow, bears N. 20° E. and S.
10.90	Small stream in bottom of Daves Hollow, flows N. 20° E.
11.20	Forest Service telephone line, bears N. and S.
12.00	Intersection of fence from the W. with fence bearing N. and S., at the top of W. rim of Daves Hollow, bears N. and S.
16.00	Graded and gravelled Forest Service road, at a cattle guard in fence, bears N. and S. Continue along fence line bearing W.
17.10	From this point, a small saw mill, bears S. 45°05' W., 34.70 chs. dist. The south gable of Daves Hollow Ranger Station bears S. 4°40' E. A spring of good water, bears S. 7°00' E.
22.00	The east dry channel of the East Fork Sevier River, 30 lks. wide, 4 ft. deep, drains NE.; thence over bottom lands.
27.00	The intersection of fence from the S. with fence bearing E. and W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 10 and 15, at proportionate distance; no trace of the original $\frac{1}{4}$ sec. cor. found. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked
	$\begin{array}{r} S10 \\ \hline S15 \\ 1948 \end{array}$
	Deposit a cobble stone, 8 x 8 x 5 ins., marked X, at the base of the post.
	Cor. set in fence line bearing E. and W.
44.80	The dry center channel of river, 30 lks. wide, 4 ft. deep, drains N. 30° E.
53.00	The dry west channel of river, 40 lks. wide, 4 ft. deep, drains N. 30° E.
63.20	Electric power line, bears N. and S.; leave bottom lands of East Fork Sevier River and ascend over rolling bench land, bears NE. and SW.
60.01	The cor. of secs. 9, 10, 15, and 16. Land, rolling. Soil, deep clay and sand. No timber; undergrowth of sage and rabbit brush, greasewood, browse, and weeds.
	N. 0°13' W., bet. secs. 9 and 10. Over rolling bench land, through medium dense short undergrowth.
20.70	Low spur, slopes N. 60° E.
34.00	Enter higher bench, bears NE. and SW.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

40.02 Point for the  $\frac{1}{4}$  sec. cor. of secs. 9 and 10 at proportionate distance; the original  $\frac{1}{4}$  sec. cor. found out of place, lying on the ground, bears N.  $66^{\circ}30'$  E., 42 lks. dist. Cor. is a red limestone, 14 x 12 x 8 ins., marked  $\frac{1}{4}$  on top face and is not witnessed.

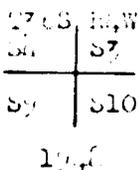
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked



Deposit the stone cor. monument alongside the iron post.  
Continue over rolling bench land.

- 54.80 Shallow draw, drains NE.
- 59.80 The SW. cor. of wire fences bearing E. and N.; thence along fence.
- 62.00 Small wash in shallow draw, drains E.
- 73.50 Wide shallow draw, drains E.
- 80.04 The cor. of secs. 3, 4, 9, and 10, which is marked by a limestone, 18 x 12 x 10 ins., firmly set, marked 9 notches on S. edge and 3 notches on E. edge. Cor. is set in fence line bearing E. and S. and is not witnessed.

At the cor. point.  
Set an iron post, 3 ft. long, 2 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked



Deposit the stone cor. monument alongside the iron post.  
Land, rolling.  
Soil, shallow gravel and clay.  
No timber; undergrowth of sagebrush and browse.

From the cor. of secs. 2, 3, 10, and 11.  
S.  $89^{\circ}57'$  W., bet. secs. 3 and 10.

Over rolling bench land, through medium dense scrub undergrowth.

- 0.50 Graded and gravelled Forest Service road, bears N. and S.
- 20.00 The SE. cor. of wire fences bearing N. and W.; thence along fence.
- 40.04 The  $\frac{1}{4}$  sec. cor. of secs. 3 and 10, which is marked by a sandstone, 16 x 10 x 4 ins., firmly set, marked  $\frac{1}{4}$  on N. face. Cor. is not witnessed and is set at the NW. cor. of

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

wire fences bearing E. and S.

At the cor. point.

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

$$\begin{array}{r} \frac{1}{4} \frac{S3}{\hline} \\ S10 \\ 1948 \end{array}$$

Deposit the stone cor. monument alongside the iron post.

S. 89°58' W., beginning new measurement.

Continue over rolling bench land.

7.30 Electric power line, bears N. and S.

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

Land, rolling.

Soil, deep gravel and clay.

No timber; under growth of sagebrush, browse, and weeds.

N. 0°13' W., bet. secs. 3 and 4.

Over rolling bench land, through medium dense short undergrowth; line follows along fence bearing N. and S.

11.00 Shallow draw, drains N. 70° E.

26.00 Shallow draw, drains N. 70° E.

37.40 Wash, 30 lks. wide, 4 ft. deep, in draw, drains E.

40.17 The  $\frac{1}{4}$  sec. cor. of secs. 3 and 4, which is marked by a limestone, 16 x 12 x 10 ins., firmly set, marked  $\frac{1}{4}$  on W. face.

from which

A juniper, 12 ins. diam., bears N. 18°30' W., 105 lks. dist., marked  $\frac{1}{4}$  S BT.

At the cor. point.

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

$$\begin{array}{r} \frac{1}{4} \\ S4 \mid S3 \\ 1948 \end{array}$$

from which

A juniper, 14 ins. diam., bears N. 35°45' E., 110 lks. dist., marked  $\frac{1}{4}$  S3 BT.A juniper, 10 ins. diam., bears N. 31°45' W., 99 lks. dist., marked  $\frac{1}{4}$  S4 BT.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

Deposit the stone cor. monument alongside the iron post.  
Cor. is set 68 lks. W. of wire fence bearing N. and S.

N. 0°09' W., beginning new measurement.

Ascend 70 ft. over S. slope of ridge, through scattered timber.

10.30 Top of low ridge, bears N. 70° E. and S. 70° W.

13.80 Forest Service telephone line, bears N. 70° E. and S. 70° W.

15.00 The NW. cor. of fences bearing E. and S.

27.50 Shallow draw, drains W.

39.91 The closing cor. of secs. 3 and 4, T. 36 S., R. 4 W., which is marked by a limestone, 14 x 8 x 3 ins., firmly set in the ground and small mound of stone, marked 3 notches on E. and W. edges and 6 notches on S. edge. Cor. is not witnessed.

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

T35S R4W

S34

S4	S3
T36S R4W	

C C

1948

from which

A yellow pine, 24 ins. diam., bears S. 40° E.,  
200 lks. dist., marked T36S R4W S3 CC PT.

A yellow pine, 24 ins. diam., bears S. 8° W.,  
57 lks. dist., marked T36S R4W S4 CC PT.

Deposit the stone cor. monument alongside the iron post.

From this cor., the standard cor. of secs. 33 and 34,  
T. 35 S., R. 4 W., bears S. 89°32' W., 8.49 chs. dist.

Land, rolling.

Soil, shallow gravel and clay.

Timber, yellow pine and juniper on N. half mile; undergrowth of sagebrush, browse, and weeds.

sec. cor. of

The point for the  $\frac{1}{4}$  sec. 3, on the N. bdy. of T. 36 S.,  
R. 4 W., is at midpoint bet. the closing cors. of secs.  
2 and 3 and secs. 3 and 4.

At the cor. point; 29 lks. S. of the center of oiled  
surface of Utah State Highway No. 12.

Set an iron post, 3 ft. long, 1 in. diam., 40 ins. in the  
ground, with brass cap marked

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

 $\frac{1}{4}$  S3

1948

from which

A yellow pine, 30 ins. diam., bears S. 57°30' E.,  
108 lks. dist., marked  $\frac{1}{4}$  S3 BT.

A yellow pine, 28 ins. diam., bears S. 83° W.,  
243 lks. dist., marked  $\frac{1}{4}$  S3 BT.

From this  $\frac{1}{4}$  sec. cor., the standard  $\frac{1}{4}$  sec. cor. of sec.  
34, T. 35 S., R. 4 W., bears West, 8.54 chs. dist.

From the cor. of secs. 27, 28, 33, and 34.

N. 86°52' W., bet. secs. 28 and 33.

Over rolling top of high plateau, through medium dense  
timber and short undergrowth. Line follows along S. side  
fence bearing W.

10.10 Wide shallow draw, drains NE.

19.87 Wire fence, bears N., and S., 1.09 chs. dist., thence E.

28.00 Low spur, slopes NE.

35.00 Low spur, slopes N.

37.28 The  $\frac{1}{4}$  sec. cor. of secs. 28 and 33, which is marked by a  
limestone, 12 x 8 x 3 ins., set, marked and witnessed as  
described in the official record of the completion survey  
of T. 36 S., R. 4 W., Group 146, Utah.

At the cor. point.

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

 $\frac{1}{4}$  S28 $\frac{1}{4}$  S33

1948

Deposit the stone cor. monument alongside the iron post.

S. 89°27' W., (record course) beginning new measurement,  
reestablishing surveys executed by T.C. Bailey and J.G.  
Durrill, Deputy Surveyors in 1876, and retraced by Elliot  
Bird, U.S. Surveyor, in 1925.

Descend 200 ft. over W. slope to the East Fork Sevier  
River.

8.80 Graded and gravelled Forest Service road, bears N. and S.

20.60 Wire fence, bears N. and S.

30.50 Enter bottom lands of the East Fork Sevier River, bears  
NE. and S.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains	
34.60	The East Fork Sevier River, stream 10 lks. wide, 6 ins. deep, in wash, 30 lks. wide, 4 ft. deep, flows N.
40.05	The cor. of secs. 28, 29, 32, and 33, which is marked by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record of the completion survey of T. 36 S., R. 4 W., Group 146, Utah.  Land, rolling. Soil, shallow gravel and clay. Timber, pine and juniper; undergrowth of sagebrush, browse, and weeds.
From the cor. of secs. 21, 22, 27, and 28.	
N. 88°48' W., bet. secs. 21 and 28.	
Over rolling top of high plateau, through medium dense timber and short undergrowth; descend 310 ft. over W. slope to river channel.	
13.90	Graded and gravelled Forest Service road, bears N. 15°30' E. and S. 15°30' W.
15.25	Wire fence, bears N. 15°30' E. and S. 15°30' W.
16.60	Tropic canal, stream 20 lks. wide, 10 ins. deep, in channel, 30 lks. wide, 5 ft. deep, flows NE.
22.50	The E. dry channel of East Fork Sevier River, 40 lks. wide, 4 ft. deep, drains N.
29.10	The W. dry channel of river, 30 lks. wide, 5 ft. deep, drains N. 30° E.
33.10	The intersection of wire fence from N. 75° W. with fences bears N. 15° E. and S. 15° W.
33.30	Dim road, bears N. 15° E. and S. 15° W.; ascend 440 ft. over E. and SE. slopes.
39.90	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 28 at proportionate distance; no trace of the original $\frac{1}{4}$ sec. cor. found.  Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked
$\begin{array}{r} S21 \\ \frac{1}{4} \hline S28 \end{array}$	
1948	
from which	
A yellow pine, 16 ins. diam., bears N. 7° E., 51 lks. dist., marked $\frac{1}{4}$ S21 BT.	
A yellow pine, 18 ins. diam., bears South, 97 lks. dist., marked $\frac{1}{4}$ S28 BT.	
Cor. set on steep E. slope of pink shale.	
44.90	Draw, drains SE.; continue ascent over SE. slope.
61.00	Spur, slopes abruptly to the SW.; descend 60 ft. over NW. slope.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

- 66.90 Draw, drains S. 10° E.; ascend 60 ft. over E. slope.
- 70.50 Ridge, bears N. 30° W. and S. 30° E.; descend 80 ft. over W. slope.
- 77.80 Draw, drains S.; ascend 20 ft. over E. slope to cor.
- 79.80 The cor. of secs. 20, 21, 28, and 29.

Land, rolling.  
 Soil, shallow gravel and clay.  
 Timber, yellow pine and juniper; undergrowth of sagebrush, browse, and weeds.

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

N. 89°51' W.; bet. secs. 16 and 21.

Over bottom lands of the East Fork Sevier River, through dense undergrowth of willows. Line follows along fence bearing W.

- 0.70 The E. dry channel of East Fork Sevier River, 30 lks. wide, 4 ft. deep, drains SE.

- 2.00 Recross channel, drains N. 60° E.

- 7.60 The W. dry channel of river, 30 lks. wide, 4 ft. deep, drains N., 1.00 ch. dist., thence NE.

- 15.00 Leave willow and bottom lands of river and ascend gradually over bench land, bears N. and S.

- 25.50 The NW. cor. of fences bearing E. and S.

- 25.60 Unimproved road, bears N. and S. Enter timber, bears same.

- 40.38 The  $\frac{1}{4}$  sec. cor. of secs. 16 and 21, marked by a limestone, 14 x 10 x 10 ins., firmly set, marked  $\frac{1}{4}$  on N. face.

From which

A yellow pine, 16 ins. diam., bears N. 58°30' E., 32 lks. dist., marked  $\frac{1}{4}$  S BT.

A yellow pine, 15 ins. diam., bears N. 77°30' W., 78 lks. dist., marked  $\frac{1}{4}$  S BT.

No trace of the bearing tree to the SW. found.

At the cor. point.

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

$$\frac{S16}{\frac{1}{4}} = S21$$

1948

from which

A yellow pine, 16 ins. diam., bears N. 58°30' E., 32 lks. dist., marked  $\frac{1}{4}$  S16 BT.

A yellow pine, 24 ins. diam., bears S. 25°30' E., 95 lks. dist., marked  $\frac{1}{4}$  S21 BT.

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

Deposit the stone cor. monument alongside the iron post.

N. 89°34' W., beginning new measurement.

- 2.00 Low spur, slopes N. 20° E.
- 9.80 Low spur, slopes N. 20° E.
- 17.50 Wide shallow draw, drains NE.
- 21.00 Low spur, slopes NE.
- 24.60 Wide shallow draw, drains N. 20° E.
- 37.30 Low spur, slopes NE.
- 40.17 The cor. of secs. 16, 17, 20, and 21, which is marked by an iron post, 2 ins. diam., set, marked, and witnessed as shown in the official record of the completion survey of T. 36 S., R. 4 W., Group 146, Utah.

Land, rolling.  
 Soil, clay and gravel.  
 Timber, pine and juniper on W. portion of mile; undergrowth of willows, sagebrush, browse, and weeds.

N. 0°28' E., bet. secs. 16 and 17.

Over rolling top of high plateau, through medium dense timber and short undergrowth.

- 27.40 Wood road, bears E. and W.
- 28.50 Small stream in wash, 50 lks. wide, 20 ft. deep, in bottom of Ahlstrom Hollow, flows E.
- 39.94 The  $\frac{1}{4}$  sec. cor. of secs. 16 and 17, marked by a limestone, 9 x 8 x 8 ins., firmly set, marked  $\frac{1}{4}$  on W. face.

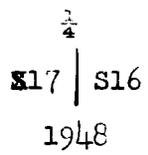
from which

A yellow pine, 26 ins. diam., bears S. 20° E., 24 lks. dist., marked  $\frac{1}{4}$  S BT.

No trace of the bearing tree to the NW. found.

At the cor. point.

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



from which

A juniper, 8 ins. diam., bears S. 39°30' E., 36 lks. dist., marked  $\frac{1}{4}$  S16 BT.

A juniper, 18 ins. diam., bears N. 58°15' W., 62 lks. dist., marked  $\frac{1}{4}$  S17 BT.

Deposit the stone cor. monument alongside the iron post.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

- Chains N. 0°06' E., beginning new measurement.  
Continue over rolling land.
- 1.00 Shallow draw, drains SW.
- 6.80 Low ridge, bears E. and W.
- 16.90 Leave timber, bears E. and W.
- 18.50 Electric power line, bears E. and W.
- 40.14 The cor. of secs. 8, 9, 16, and 17, marked by a sandstone, 16 x 12 x 4 ins., firmly set, marked 4 notches on E. and S. edges. Cor. is not witnessed and set in fence line bearing E. and W.  
At the cor. point.  
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked
- |           |     |
|-----------|-----|
| T36S R4W. |     |
| S8        | S9  |
| S17       | S16 |
- 1948
- Deposit the stone cor. monument alongside the iron post.  
Land, rolling.  
Soil, shallow clay and gravel.  
Timber, pine and juniper on S. portion of mile; undergrowth of sagebrush, browse, and weeds.
- 
- From the cor. of secs. 9, 10, 15, and 16.  
N. 89°47' W., bet. secs. 9 and 16.  
Over rolling top of plateau, through medium dense short undergrowth. Line follows along fence bearing E. and W.
- 40.07 The  $\frac{1}{4}$  sec. cor. of secs. 9 and 16, which is marked by a sandstone, 8 x 6 x 3 ins., firmly set, marked  $\frac{1}{4}$  on N. face. Cor. is not witnessed and set in fence line bearing E. and W.  
At the cor. point.  
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked
- |               |     |
|---------------|-----|
| $\frac{1}{4}$ | S9  |
|               | S16 |
- 1948
- Deposit the stone cor. monument alongside the iron post.
- S. 89°59' W., beginning new measurement.  
Continue along fence line over rolling land.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 1 W.

Chains

- 12.60 Unimproved road; bears N. 30° W. and S. 30° E.
- 24.70 Unimproved road, bears N. 20° E. and S. 20° W.
- 40.09 The cor. of secs. 8, 9, 16, and 17.
- Land, rolling.  
Soil, shallow gravel and clay.  
No timber; undergrowth of sagebrush, browse, and weeds.
- 
- S. 88°36' W., bet. secs. 8 and 17.
- Over rolling bench land, through medium dense short undergrowth. Line follows along fence bearing E. and W.
- 5.70 At this point, the fence bears E. and N. 83°36' W.
- 29.00 Base of rolling mountainous land; bears NW. and SE.; ascend 120 ft. over gradual E. slope through scattered timber, to the  $\frac{1}{4}$  sec. cor.
- 40.35 The  $\frac{1}{4}$  sec. cor. of secs. 8 and 17, which is marked by a sandstone, 22 x 10 x 3 ins., firmly set in a small mound of stone, marked  $\frac{1}{4}$  on N. face.
- from which
- A column of sandstone, 20 ft. high, bears S. 55° W., 9.40 chs. dist. No trace of the official marks found on stone.
- At the cor. point.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground and a large mound of stone, with brass cap marked
- $$\frac{1}{4} \begin{array}{r} S8 \\ \hline S17 \end{array}$$

1948
- from which
- A juniper, 12 ins. diam., bears N. 34° E., 370 lks. dist., marked  $\frac{1}{4}$  S8 BT.
- A juniper, 6 ins. diam., bears S. 73° E., 154 lks. dist., marked  $\frac{1}{4}$  S17 BT.
- Deposit the stone cor. monument alongside the iron post.
- 
- N. 89°51' W., beginning new measurement.
- Ascend 200 ft. over E. slope.
- 15.50 Shallow draw, drains NE.
- 26.60 Top of ascent on S. slope of knoll; descend 40 ft. along S. slope.
- 33.00 Shallow draw, drains NE.
- 41.01 The cor. of secs. 8 and 17, which is marked by an iron post, 2 ins. diam., set, marked, and witnessed as described

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

in the official record of the completion survey of T. 36 S., R. 4 W., Group 146, Utah.

Land, rolling.

Soil, shallow clay, gravel, and sand.

Timber, pine, juniper, and pinon on portion of mile; undergrowth of sage and oak brush, mahogany, browse, and weeds.

From the cor. of secs. 8, 9, 16, and 17.

N.  $0^{\circ}28'$  W., bet. secs. 8 and 9.

Over rolling bench land, through medium dense short undergrowth.

17.00 Enter medium dense timber, bears E. and W.

39.58 The  $\frac{1}{4}$  sec. cor. of secs. 8 and 9, which is marked by a limestone, 14 x 6 x 6 ins., firmly set, marked  $\frac{1}{4}$  on W. face. Cor. is not witnessed.

At the cor. point.

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

$$\begin{array}{c} \frac{1}{4} \\ \text{S8} \mid \text{S9} \\ 1948 \end{array}$$

from which

A juniper, 6 ins. diam., bears N.  $33^{\circ}45'$  E., 145 lks. dist., marked  $\frac{1}{4}$  S9 BT.

A juniper, 8 ins. diam., bears N.  $84^{\circ}30'$  W., 308 lks. dist., marked  $\frac{1}{4}$  S8 BT.

Deposit the stone cor. monument alongside the iron post.

N.  $0^{\circ}30'$  W., beginning new measurement.

Continue over rolling land.

19.00 Leave timber, bears E. and W.

20.70 Wash, 30 lks. wide, 4 ft. deep, drains NE.

29.30 Unimproved road, bears N.  $30^{\circ}$  W. and S.  $30^{\circ}$  E.

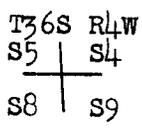
39.92 The cor. of secs. 4, 5, 8, and 9, which is marked by a sandstone, 12 x 6 x 4 ins., firmly set, marked 5 notches on S. edge and 4 notches on E. edge. Cor. is not witnessed

At the cor. point.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains



1948

Deposit the stone cor. monument alongside the iron post.

Land, rolling.

Soil, shallow clay and gravel.

Timber, juniper, pinon, and yellow pine on portion of mile; undergrowth of sagebrush, browse, and weeds.

From the cor. of secs. 3, 4, 9, and 10.

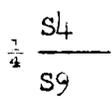
S. 89°39' W.; bet. secs. 4 and 9.

Over rolling land, through medium dense short undergrowth.

40.27 The 1/4 sec. cor. of secs. 4 and 9 which is marked by a sandstone, 12 x 8 x 4 ins., firmly set, marked 1/4 on N. face. Cor. is not witnessed.

At the cor. point.

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



1948

Deposit the stone cor. monument alongside the iron post.

S. 89°42' W., beginning new measurement.

Continue over rolling land.

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

Land, rolling.

Soil, shallow gravel and clay.

No timber; undergrowth of sagebrush, browse, and weeds.

S. 89°53' W., bet. secs. 5 and 8.

Over rolling top of plateau through medium dense short undergrowth.

3.90 Dim unimproved road, bears N. 30° W. and S. 30° E.

40.24 The 1/4 sec. cor. of secs. 5 and 8, which is marked by a sandstone, 18 x 10 x 3 ins., firmly set, marked 1/4 on N. face. Cor. is not witnessed.

At the cor. point.

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

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

$$\frac{1}{4} \frac{S5}{S8}$$

1948

Deposit the stone cor. monument alongside the iron post.

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S. 89°55' W., beginning new measurement.

Continue over rolling land.

- 7.40 Small wash in shallow draw, drains NE.
- 9.80 Dim unimproved road, bears NE. and SW.
- 12.00 Enter medium dense timber, bears N. and S.
- 40.30 The cor. of secs. 5, 6, 7, and 8, which is marked by an iron post, 2 ins. diam., set, marked and witnessed as described in the completion survey of T. 36 S., R. 4 W., Group 146, Utah.

Land, rolling.

Soil, shallow gravel and clay.

Timber, pine and juniper on W. portion of mile; undergrowth of sagebrush, browse, and weeds.

---

From the cor. of secs. 4, 5, 8, and 9.

N. 0°15' W., bet. secs. 4 and 5.

Over rolling top of high plateau, through medium dense short undergrowth.

- 12.50 Wide shallow draw, drains E.
- 22.00 Low spur, slope N. 60° E.
- 33.00 Shallow draw, drains NE.
- 39.99 The  $\frac{1}{4}$  sec. cor. of secs. 4 and 5, which is marked by a sandstone, 16 x 8 x 4 ins., firmly set, marked  $\frac{1}{4}$  on W. face. Cor. is not witnessed.

At the cor. point.

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

$$\frac{1}{4} \frac{S5}{S4}$$

1948

Deposit the stone cor. monument alongside the iron post.

Cor. set at the SW. cor. of wire fences bearing N. and E.

From this  $\frac{1}{4}$  sec. cor., the S. gable of an old log cabin, bears N. 51°00' E., 40.60 chs. dist.

## DEPENDENT RESURVEY OF SUBDIVISION OF T. 36 S., R. 4 W.

Chains

N. 0°40' E., beginning new measurement.

Over rolling land along fence line.

5.10 Wide shallow draw, drains NE.

26.20 Shallow draw, drains E.

40.24 Point for the closing cor. of secs. 4 and 5, T. 36 S., R. 4 W., at proportionate distance bet. the standard cor. of secs. 32 and 33 and the standard  $\frac{1}{4}$  sec. cor. of sec. 33, T. 35 S., R. 4 W. No trace of the original closing cor. found.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and surrounded by a mound of stone, with brass cap marked

T35S	R4W
S33	

S5	S4
T36S	R4W
C C	

1948

Deposit a sandstone, 10 x 10 x 5 ins., marked X, at the base of the post.

The closing cor. is at a point 9 lks. E. and 4 lks. N. of the NW. cor. of fences bearing S. and E.

From the closing cor., the standard cor. of secs. 32 and 33, T. 35 S., R. 4 W., bears S. 89°58' W., 8.57 chs. dist.

Land, rolling.

Soil, shallow gravel and clay.

No timber; undergrowth of sagebrush, browse, and weeds.

The point for the  $\frac{1}{4}$  sec. cor. of sec. 4, on the N. bdy. of T. 36 S.; R. 4 W., is at midpoint bet. the closing cors. of secs. 3 and 4 and secs. 4 and 5.

At the cor. point.

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

$\frac{1}{4}$ S4
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1948

Deposit a sandstone 6 x 6 x 4 ins., marked X, at the base of the post.

From this  $\frac{1}{4}$  sec. cor., the standard  $\frac{1}{4}$  sec. cor. of sec. 33, T. 35 S., R. 4 W., bears S. 89°50' W., 8.52 chs. dist.The point for the  $\frac{1}{4}$  sec. cor. of sec. 5, on the N. bdy. of T. 36 S., R. 4 W., is at midpoint bet. the closing cors. of secs. 4 and 5 and secs. 5 and 6.

At the cor. point.

Chains

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

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

1948

Deposit a sandstone, 10 x 8 x 5 ins., marked X, at the base of the post.

From this  $\frac{1}{4}$  sec. cor., the standard  $\frac{1}{4}$  sec. cor. of sec. 25, T. 35 S., R. 4 W., bears S.  $89^{\circ}32' W.$ , 8.54 chs. dist.

SUBDIVISION OF SECTION 25, T. 36 S., R. 4 W.

Note: The N. and S., and E. and W. center lines of sec. 25 were surveyed in order to establish the center  $\frac{1}{4}$  sec. cor. of sec. 25, which forms an angle point of the boundary of Bryce Canyon National Park.

Beginning at the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.

N.  $0^{\circ}05' E.$ , on N. and S. center line of sec. 25.

Over rolling top of high plateau, through medium dense timber and short undergrowth. Line follows along wire fence bearing N. and S., and power line bearing N. and S.

- 8.60 Shallow draw, drains N.  $60^{\circ} E.$
- 15.00 Shallow draw, drains N.  $60^{\circ} E.$
- 17.10 Low spur, slopes E., 3.00 chs. dist. to end.
- 36.70 Small wash in bottom of Daves Hollow, drains NW.
- 39.71 Point for the center  $\frac{1}{4}$  sec. cor. of sec. 25, at the intersection with the true E. and W. center line.

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

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

1948

from which

A yellow pine, 12 ins. diam., bears S.  $63^{\circ}45' W.$ , 380 lks. dist., marked C  $\frac{1}{4}$  S25 BT.

A yellow pine, 18 ins. diam., bears N.  $2^{\circ}15' W.$ , 364 lks. dist., marked C  $\frac{1}{4}$  S25 BT.

Thence along boundary of Bryce Canyon National Park.

- 39.75 Wire fence, bears W., and E.  $34$  lks. dist. to its intersection with fence bearing N. and S.
- 65.10 Top of small knoll.
- 79.90 The  $\frac{1}{4}$  sec. cor. of secs. 24 and 25.
- Land, rolling.

SUBDIVISION OF SECTION 25, T. 36 S., R. 4 W.

Chains

Soil, shallow gravel and clay.  
Timber, medium dense pine, fir, spruce, juniper, and aspen; undergrowth of sagebrush, browse, and weeds.

From the  $\frac{1}{4}$  sec. cor. of secs. 25 and 30, on the E. bdy. of the township.

S.  $89^{\circ}54'$  W., on true E. and W. center line of sec. 25.

Through Bryce Canyon National Park, over rolling top of high plateau, through medium dense timber and short undergrowth.

- 4.20 Oiled highway through park, bears N.  $10^{\circ}$  E. to checking station and S.  $10^{\circ}$  W. to lodge. (Utah State Highway No. 12)
- 15.00 Shallow draw, drains SW.
- 32.40 Main telephone line, bears N.  $10^{\circ}$  E. and S.  $10^{\circ}$  W.
- 39.50 Electric power line, bears S. and N.  $30^{\circ}$  E.
- 39.60 Junction of wire fence from the W. with wire fence bearing N. and S., bears North, 4 lks. dist.
- 39.97 The center  $\frac{1}{4}$  sec. cor. of sec. 25.
- 42.10 Small wash in bottom of Daves Hollow, drains NW.
- 55.00 Low spur, slope S.  $30^{\circ}$  W.
- 60.40 Wide draw, drains N.  $30^{\circ}$  W.
- 80.09 The  $\frac{1}{4}$  sec. cor. of secs. 25 and 26.

Thence along boundary of Bryce Canyon National Park.

Land, rolling.  
Soil, shallow clay and gravel.  
Timber, pine, fir, spruce, juniper, and aspen; undergrowth of sagebrush, browse, manzanita, and weeds.

GENERAL DESCRIPTION OF T. 36 S., R. 4 W.

The land within the boundaries of T. 36 S., R. 4 W., Salt Lake Meridian, Utah, consists of a high rolling top of mountainous land known as the Paunsaugunt Plateau. The land is from about 8,000 feet to 7,600 feet above sea level and has a general northerly and northeasterly exposure and drainage.

Section 36 and all of section 25 except the NW $\frac{1}{4}$ , is within the boundaries of Bryce Canyon National Park. The area within the park was subdivided and the center of section 25 was determined as it forms an angle point on the boundary of the park of the remaining area of the township that comes under this survey, about 50 per cent is within the boundaries of the Dixie National Forest Reserve and the remainder is privately owned. The Bryce Canyon Lodge and nearly all of the buildings of the park, are located in the E $\frac{1}{2}$  of section 36. Sunset Point which is one of the most scenic points in Bryce Canyon, is located at the southeast cor. of the township. In the SE $\frac{1}{4}$  NW $\frac{1}{4}$ , section 34, is a large spring of good water which is pumped to the buildings of the park. On the north half mile of the line between sections 7 and 12, is a radio beam broadcasting station, for an air line route which passes over the township. This station is about 1 mile to

## GENERAL DESCRIPTION OF T. 36 S., R. 4 W.

the southwest of the Bryce Canyon Airport. A U.S. Government built electric power line bears easterly and westerly through secs. 13, 14, 15, 16, and 17. Utah State Highway No 12, oiled surface, bears southeasterly through the northeast part of the township, to Bryce Canyon and south westerly to its junction with U.S. Highway No. 89. A graded and gravelled road bears northerly and southerly through the central portion of the township. Numerous other unimproved roads were found which makes it possible to reach most any portion of the township that comes under this survey, by automobile. The channel of the East Fork Sevier River, drains northeasterly through the township. A small stream in the bottom of East Canyon, flows northwesterly through sec. 34, SW $\frac{1}{4}$  sec. 29, and the E $\frac{1}{2}$  sec. 28. In the NE $\frac{1}{4}$  of sec. 28, the water from this stream and that from the East Fork Sevier River, is diverted into a canal. The canal carries the water from the drainage within the Great Salt Lake Basin into the drainage of the Colorado River Basin, where it is used for irrigation purposes in the towns of Tropic and Cannonville, Utah. A spring of good water and the Daves Hollow Ranger Station, are located in the NE $\frac{1}{4}$  of sec. 15. The north half mile of the line bet. secs. 21 and 22, intersects a well equipped saw mill. A small saw mill is also located in the SE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 15.

Due to the high elevation, the land is not suitable for farming purposes. A medium dense undergrowth of sagebrush, browse, grass, and weeds is found which affords excellent grazing for stock. The south and west portions of the surveyed area, are covered with a medium dense growth of yellow pine, fir, spruce, and juniper timber. A major portion of the yellow pine timber is suitable for sawing into lumber and during the past few years, a great quantity of this timber has been removed.

No indications of oil, coal, or mineral were found and at the time of the survey, the land was being used mostly as a summer grazing range for stock.



CERTIFICATE OF CADASTRAL ENGINEER

I, Elliot Bird, Cadastral Engineer, HEREBY CERTIFY upon honor that, pursuant of special instructions bearing date of the 14th day of May 1948 I have surveyed dependently resurveyed the east boundary or Emery Valley Guide Meridian, portions of the Seventh Standard Parallel South along the south boundary of T. 35 S., R. 4 W., and the subdivision, and survey of the center lines of sec. 25, T. 36 S., R. 4 W. of the Salt Lake Meridian, in the State of Utah, which 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 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah.
March 18, 1949

Handwritten signature of Elliot Bird
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., FEB 12 1951

The foregoing field notes of the survey of dependent resurvey of the east boundary or Emery Valley Guide Meridian, portions of the Seventh Standard Parallel South along the south boundary of T. 35 S., R. 4 W., and the subdivision and survey of the center lines of sec. 25, T. 36 S., R. 4 W. executed by Elliot Bird, Cadastral Engineer

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

Handwritten signature of Carl G. Harrington
Chief, Branch of Engineering and Construction
Chief, Division of Cadastral Engineering

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

Retracement of a Portion of the North Boundary

and

Survey of the South and East Boundaries

and

A Portion of the Subdivision

of

Township 38 South, Range 1 East

Of the Salt Lake Meridian,

to State of Utah

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Robert C. Yundt, Cadastral Surveyor (Chief of Party)

Special instructions dated June 25, 1956, which provided

the surveys included under Group No. 409, approved June 28, 1956

Assignment instructions dated July 2, 1956

Survey commenced September 4, 1956

Survey completed October 8, 1956

# INDEX DIAGRAM

Township 38 South, Range 1 East

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## Township 38 South, Range 1 East

Chains

The north bdy. of T. 38 S., R. 1 E., was surveyed by George Rigby and Edie S. C. Smith in 1922. The west bdy. was surveyed by Andrew Nelson in 1918.

The following field notes are those of a retracement of a portion of the north boundary, the survey of the south and east boundaries, and that part of the subdivision considered sufficient in extent to mark the boundaries of those sections normally considered as State school lands, and to facilitate the development of the natural resources. The corners along the latitudinal lines were established on the true latitudinal curve and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the township had been completely subdivided.

The survey was executed with a Buff and Buff solar transit number 26066, being the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instrument has a full vertical circle and improved type solar attachment. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. Since the solar attachment was not used, no description of it will be included here. The instrument was in good adjustment, and prior to the beginning of the field work it was examined and all errors eliminated. It was maintained in good adjustment during the survey.

The geographic position of the southeast corner of the township, determined from data obtained from U. S. Geological Survey is as follows: Latitude  $37^{\circ} 27' 23''$  North and Longitude  $111^{\circ} 44' 30''$  West. The mean magnetic declination was found to be  $15^{\circ} 15'$  East.

The directions of the lines of the survey were determined by reference to true meridians established on line by hour angle observations on Polaris or observations on the sun. The lines were carried forward as transit lines and checked by succeeding observations.

The measurements were made with steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain, and thereafter at intervals of ten links. They were tested by comparison with a Lufkin 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 horizontal equivalents, which appear in these notes. In most cases the distances were determined by chaining, but in some instances they were obtained by triangulation and in others by traverses and offsets. The details of these were thoroughly verified and only the true line distances returned in the notes.

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Retracement of a Portion of the South Bdy. of Sec. 35, T. 37 S.,  
R. 1 E.

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Retracement of the survey executed by George Rigby and E. S. C. Smith in 1922.

The original witness  $\frac{1}{4}$  sec. cor. of secs. 2 and 35, Ts. 37 and 38 S., R. 1 E. is mkd. by an iron post, 1 in. in diam., conforming to the record. As this point now refers to sec. 35 only, I remove the marks pertaining to sec. 2.

Thence

S.  $89^{\circ} 57'$  W. (record course) along the S. bdy. of sec. 35.

South Bdy. of Sec. 35, T. 37 S., R. 1 E.

Chains

- 1.18 True point for the  $\frac{1}{4}$  sec. corner of sec. 35.
- 4.36 The closing cor. of secs. 1 and 2, T. 38 S., R. 1 E., subsequently established at this point.
- 39.92 The original corner of secs. 2, 3, 34 and 35, mkd. by an iron post 2 ins. in diam., conforming to the record. As this point now refers to T. 37 S. only, I remove the markings pertaining to T. 38

Survey of the South Bdy. of T. 38 S., R. 1 E.

Beginning at the cor. of Ts. 38 and 39 S., Rs. 1 and 2 E., mkd. by an iron post, 2 $\frac{1}{2}$  ins. in diam., conforming to the record.

Thence

West, bet. secs. 1 and 36.

Over rolling desert land, through medium dense timber and scant undergrowth; asc. 60 ft. over an east slope.

- 6.80 Small spur, projects SW., thence over a series of small spurs and draws, putting to the south.
- 23.10 Enter sagebrush opening.
- 32.40 Leave sagebrush opening, enter timber.
- 34.00 Small spur, projects S. 20° W. about 8.00 chs. to end.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 36.  
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. in diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E  
 $\frac{1}{4}$  S36  
 VS 1  
 T39S  
 1956

from which

- A juniper 16 ins. in diam., bears S. 25° E. 57 lks. dist., mkd.  $\frac{1}{4}$  S1 BT.
- A juniper 12 ins. in diam., bears N. 63° 15' W. 19 lks. dist., mkd.  $\frac{1}{4}$  S36 BT.

- 45.00 Spur, projects S.
- 49.90 Leave timber, enter sagebrush opening sloping gently to the south.
- 80.00 Point for the cor. of secs. 1, 2, 35 and 36.  
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E  
S35 S36  
 S2 S1  
 T39S  
 1956

Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, W. of the post

## South 1/4 of T. 36 S., R. 1 E.

Chains

Land, gently rolling desert.  
Soil, sandy clay loam.  
Timber, scattered juniper and pinon.  
Undergrowth, sagebrush and scant grass.

West, bet. secs. 2 and 35.

Over nearly level desert, across a sagebrush flat.

13.50 Enter medium dense juniper and pinon.

15.00 Leave timber, enter sage flat.

20.00 Leave sage flat, enter timber; desc. along a gentle W. slope.

40.00 Point for the 1/4 sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground and in a mound of stone, with brass cap mkl.

T388 R1E

1/4  $\frac{S35}{S2}$   
T398  
1956

from which

A juniper 6 ins. in diam., bears N. 71° 45' E. 36 lks.  
dist., mkl. 1/4 S35 BF.

A pinon 10 ins. in diam., bears S. 80° 30' E. 23 lks.  
dist., mkl. 1/4 S2 BF.

56.80 Draw, drains SW.

64.10 Point of spur, projects S.

69.50 Wash, drains SW. from N.

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground and in a mound of stone, with brass cap mkl.

T388 R1E

$\frac{S34|S35}{S31S2}$   
T398  
1956

Deposit a limestone rock, mkl. with a cross (x) at the base of the post.

Land, gently rolling desert.

Soil, sandy clay loam.

Timber, patches of medium dense juniper and pinon.

Undergrowth, sagebrush, black brush and silver leaf.

West, bet. secs. 3 and 34.

Over gently rolling desert land, through medium dense timber and undergrowth.

Chains

6.90

Draw, drains S.

15.60

Leave timber, enter sage flat.

23.65

Leave sagebrush flat, enter timber.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E  
 $\frac{1}{4}$   $\frac{S34}{S3}$   
 T39S  
 1956

from which

A juniper 3 ins. in diam., bears S.  $9^\circ$  W. 40 lks. dist., mkd. BT.

A pinon 3 ins. in diam., bears N.  $42^\circ 30'$  W., 73 lks. dist., mkd. BT.

41.00

Wash, drains S.

43.30

Small wash, drains S.

61.35

Wash, 15 lks. wide, 10 ft. deep, drains SW. from N.

77.30

Middle of Wahweap wash, two chs. wide, drains S.

80.00

Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E  
 $\frac{S33}{S4} | \frac{S34}{S3}$   
 T39S  
 1956

from which

A pinon 8 ins. in diam., bears N.  $23^\circ 30'$  E. 51 lks. dist., mkd. T38S R1E S34 BT.

A pinon 8 ins. in diam., bears S.  $7^\circ$  W. 25 lks. dist., mkd. T39S R1E S4 BT.

Land, gently rolling desert.

Soil, sandy clay loam.

Timber, medium dense juniper and pinon.

Undergrowth, sagebrush, black brush and medium grass.

West, bet. secs. 4 and 33.

Over broken desert land, through medium dense timber and medium undergrowth.

4.00

Wash, drains SE.; asc. 20 ft. along an east slope.

12.10

Small spur, projects N., thence over a series of small spurs and draws.

South 1/4 of Sec 18 T8 S4 R11E

Chains

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 4 and 33.

Set

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T398 R1E  
S33  
S 4  
T398  
1956

from which

A pinon 8 ins. in diam., bears N. 6° 30' E. 39 lks. dist., mkd.  $\frac{1}{4}$  S33 RT.

A pinon 8 ins. in diam., bears S. 58° 45' E. 101 lks. dist., mkd.  $\frac{1}{4}$  S4 RT.

48.10

Thence across broken white sandstone; asc. 115 ft.

51.60

Spur, projects SE.; asc. along a SE. slope 180 ft.

59.50

The Cock's Comb, a rfb of sandstone 100 ft. high, projecting S. from the E.; desc. 370 ft. over a W. slope.

70.40

Deep draw between the two Cock's Combs, drains S.; asc. 170 ft. over an east slope.

77.90

Spur, projects SE.

80.00

Point for the cor. of secs. 4, 5, 32 and 33.

Cement a brass tablet, 3 1/4 ins. diam., with a 3 in. stem, in a hole drilled in solid sandstone, with cap mkd.

T398 R1E  
S32 | S33  
S5 | S4  
T398  
1956

Raise a mound of stone 3 ft. base, 3 ft. high, W. of the tablet.

Land, broken desert.

Soil, sandy clay loam, with a considerable amount of exposed sandstone.

Timber, medium juniper and pinon.

Undergrowth, medium sagebrush, black brush, silver leaf and grass.

West, bet. secs. 5 and 32.

Over broken desert land, through medium timber and medium undergrowth; asc. 655 ft. over a broken east slope.

13.30

The Cock's Comb east side bears N. and S., thence across nearly level top.

16.80

West side top of Cock's Comb; desc. 150 ft. over a W. slope.

32.00

Old mine road, bears SW. and NE.; desc. 155 ft.

34.00

Draw, drains SW.

37.30

Spur, projects S. 20° W.; desc. 50 ft. over a W. slope.

South Bdy. of Tr 30 S., R. 1 E., T. 2 N.

Chains

00.00

40.00 Point for the 1/4 sec. cor. of secs. 5 and 32. 00.04

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E

1/4 S32  
S 5  
T39S  
1956

Raise a mound of stone 3 ft. base, 2 1/2 ft. high, W. of the post. Desc. into sagebrush flat.

52.00 Wash, 30 lks. wide, 8 ft. deep, drains S.

55.00 Road, bears N. and S.

58.00 Leave sagebrush flat; asc. 105 ft. over an E. slope.

62.30 Spur, projects S.; asc. along a spur that projects E. from W.

72.30 The Grosvenor Arch, bears S. about 50 lks. dist.

74.00 Desc. over ledge 150 ft. high into sagebrush flat.

80.00 Point for the cor. of secs. 5, 6, 31 and 32. 00.04

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E

S31 | S32  
S6 | S5  
T39S  
1956

from which

A juniper 6 ins. in diam., bears S. 29° W. 114 lks. dist., mkd. T39S R1E S6 BT.

A pinon 10 ins. in diam., bears N. 62° 30' W. 82 lks. dist., mkd. T38S R1E S31 BT.

Land, broken and rolling desert.  
Soil, sandy clay loam, with some exposed sandstone.  
Timber, medium juniper and pinon.  
Undergrowth, medium dense sagebrush, black brush, mountain rush and grass.

West, bet. secs. 6 and 31.

Over rolling desert land, through medium dense timber and undergrowth.

.50 Enter timber.

1.30 Wash, drains S.

3.70 Wash, drains SE.; asc. 85 ft. over an E. slope.

12.40 Spur, projects S.; desc. 95 ft. over a W. slope.

18.00 Sagebrush flat, sloping gently to the S.

South Bdy. of T. 38 S., R. 1 E.

Chains

39.96

Intersect the west bdy. of the Tp. at point for the closing cor. of Tps. 38 and 39 S., R. 1 E., 2.17 chs. N. of the 1/4 sec. cor. on the east bdy. of sec. 36, T. 38 S., R. 1 W., mkd. by an iron post 1 in. in diam., conforming to the record.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T38S  
T38S R1E  
S36 S31 CC  
R1W S6  
T39S  
1956

from which

A juniper 10 ins. in diam., N. 81° 15' E. 220 lks. dist., mkd. T38S R1E S31 CC BT.

Land, rolling and broken desert.

Soil, sandy clay loam, with some exposed sandstone.

Timber, medium juniper and pinon.

Undergrowth, sagebrush, black brush, bitter brush, greasewood and grass.

East Bdy. of T. 38 S., R. 1 E.

Beginning at the cor. of Ts. 38 and 39 S., Rs. 1 and 2 E.

Thence

North, bet. secs. 31 and 36.

Over broken and rolling desert land, through medium dense timber and scattered undergrowth.

6.00 Draw, drains S. 10° E.; asc. 50 ft.

14.40 Spur, projects SW., thence across a series of small spurs and draws.

38.50 Leave timber, enter sagebrush flat.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.

T38S  
R1E R2E  
S36 | S31

1956

from which

A pinon 10 ins. in diam., bears S. 42° 45' E. 122 lks. dist., mkd. 1/4 S31 BT.

A juniper 6 ins. in diam., bears N. 24° W. 131 lks. dist., mkd. 1/4 S36 BT.

55.00 Enter scattered timber.

## East Bay. of T. 38 S., R. 1 E.

Chains

57.40

Leave timber, enter sagebrush flat.

66.40

Leave flat, enter timber.

68.20

Draw, drains SW.

76.50

Wash, drains W. from NE.

80.00

Point for the cor. of secs. 25, 30, 31 and 36.

Set an iron post, 36 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the gro  
and in a collar of stone, with brass cap mkd.

T38S  
R1E R2E  
S25|S30  
S36|S31

1956

from which

A juniper 3 ins. in diam., bears N.  $20^{\circ} 30'$  E. 60 lks.  
dist., mkd. BT.

A juniper 6 ins. in diam., bears S.  $07^{\circ} E$ . 123 lks.  
dist., mkd. T38S R2E S31 BT.

A juniper 8 ins. in diam., bears N.  $51^{\circ} 15'$  W. 140 lks.  
dist., mkd. T38 S. R1E S25 BT.

Land, rolling desert.

Soil, sandy clay loam.

Timber, medium juniper and pinon.

Undergrowth, sagebrush, mountain rush and scant grass.

North bet. secs. 25 and 30.

Over rolling desert land, through scattered timber and scant unde  
growth; desc. 20 ft. along a gentle SW. slope.

12.10

Small wash, drains SW.; asc. 135 ft. over a S. slope.

35.70

Spur, projects W.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 8 ins. in the  
ground and in a mound of stone, with brass cap mkd.

T38S  
R1E  $\frac{1}{4}$  R2E  
S25|S30

1956

from which

A juniper 6 ins. in diam., bears S.  $65^{\circ} 45'$  E. 91 lks.  
dist., mkd.  $\frac{1}{4}$  S30 BT.

A pinon 6 ins. in diam., bears N.  $35^{\circ} W$ . 64 lks. dist..  
mkd.  $\frac{1}{4}$  S25 BT.

46.40

Wash, drains SW.; asc. 210 ft.

62.60

Gravel spur, projects W.; desc. 105 ft.

East Edge of T38S R2E S19

Chains

71.00

Wash, drains S. 20° W.; asc. 115 ft. on and vol. 100%

77.20  
80.00

Clay spur, projects W. + desc. 65 ft. ...  
Point for the cor. of secs. 19, 24, 25 and 30, in a small draw  
draining S. 85° W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the  
ground and in a mound of stone, with brass cap mkd.

T38S  
R1E R2E  
S24 | S19  
S25 | S30

1956

from which

A pinon 6 ins. in diam., bears N. 71° 15' E. 58 lks.  
dist., mkd. T38S R2E S19 BT.

A pinon 10 ins. in diam., bears S. 57° 30' W. 40 lks.  
dist., mkd. T38S R1E S25 BT.

Land, rolling desert.  
Soil, sandy clay loam.  
Timber, medium juniper and pinon.  
Undergrowth, scattered sagebrush, silverleaf and grass.

North, bet. secs. 19 and 24.

Over rolling desert land, through medium timber and scant  
undergrowth; desc. along a west slope, over a series of small  
spurs and draws.

38.50

Spur, projects W.

40.00

Point for the 1/4 sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the  
ground to solid rock, and in a mound of stone, with brass cap mkd.

T38S  
R1E 1/4 R2E  
S24 | S19

1956

from which

A juniper 6 ins. in diam., bears S. 13° 30' E. 60 lks.  
dist., mkd. 1/4 S19 BT.

A juniper 6 ins. in diam., bears S. 11° W. 94 lks. dist.,  
mkd. 1/4 S24 BT.

40.20

Wash, drains SW.; asc. 70 ft.

46.20

Spur, projects SW.; desc. 110 ft.

66.35

Draw, drains S. 20° W.; desc. 30 ft.

67.90

Saddle in spur, projects W.; desc. 105 ft.

76.40

Wash, drains W. from NE.

East Eddy of T. 38 S. 10 R. 12 E.

Chains		C
80.00	Point for the cor. of secs. 13, 18, 19 and 24.	00.15
	On the S. slope of a blue clay spur, projecting W. 10 set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.	00.08
	<p style="text-align: center;">T38S R1E R2E S13   S18 S24   S19</p> <p style="text-align: center;">1956</p>	
	<p>from which</p> <p>A juniper 8 ins. in diam., bears N. 67° W. 39 lks. dist., mkd. BT.</p>	
	<p>Land, rolling desert.</p> <p>Soil, sandy clay and gravel.</p> <p>Timber, scattered juniper and pinon.</p> <p>Undergrowth, medium grass, mountain rush, silver leaf, sagebrush, greasewood and bitterbrush.</p>	
	<p>North bet. secs. 13 and 18.</p> <p>Over broken desert land, over a series of barren blue clay spurs and draws; asc. 20 ft.</p>	
2.00	Spur, projects SW.; desc. 30 ft.	
17.20	Wash, drains SE., foot of spur; asc. 360 ft. over a S. slope.	
32.50	Spur, projects SE.; desc. 100 ft. along an E. slope.	
39.00	Spur, projects N. 80° E.	
40.00	Point for the 1/4 sec. cor. of secs. 13 and 18.	00.80
	On the N. slope of spur, set an iron post 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.	00.04
	<p style="text-align: center;">T38S R1E R2E S13   S18</p> <p style="text-align: center;">1956</p>	
	Deposit a limestone rock, 4x4x4 ins., mkd. with a cross (x) at the base of the post.	
	Desc. 190 ft.	
52.60	Draw, drains W.; asc. 160 ft. over a ledgy S. slope.	
56.80	Spur, projects W.; desc. 295 ft.	00.04
76.00	Draw, drains W. from N. 60° E.; asc. 30 ft.	00.04
80.00	Point for the cor. of secs. 7, 12, 13 and 18.	00.00
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground and in a mound of stone, with brass cap mkd.	00.00

West 34y. 31st. 9818. 1-11-11

Chains

Magazine of the U.S. Geol. Surv. T38S  
M.S. R1E R2E  
Secs. S12 | S7  
S13 | S18

3201 1956

Deposit a limestone rock, 4x4x1 ins., mkd. with a cross (x) at the base of the post.

Land broken desert, bad lands. Soil, clay.  
No timber.

Undergrowth, very scant shadscale and grass.

North bet. secs. 7 and 12.

Over broken desert clay badlands, through very widely scattered timber and scant undergrowth.

.30 Spur, projects N. 60° W. 3 chs. to end; desc. 55 ft.

3.70 Small draw, drains W., thence over a series of clay spurs and washes.

Asc. 105 ft. over a S. slope.

15.60 Spur, projects S. 70° E.; asc. 85 ft.

23.40 Spur, projects SE.; asc. 45 ft.

27.40 Top of high rib of clay, projects S. 30° W.; asc. 20 ft.

31.55 Spur, projects S. 80° W.; asc. 40 ft.

40.00 Point for the 1/4 sec. cor. of secs. 7 and 12.

On the S. slope of a blue clay spur, projecting S. 20° E., set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T38S  
R1E R2E  
1/4  
S12 | S7

1956

from which

A juniper 6 ins. in diam., bears S. 59° 45' W. 30 lks. dist., mkd. 1/4 S12 BT.

Asc. 30 ft.

47.70 Spur, projects N. 20° E.

55.50 East slope of clay knob, thence over a series of draws and spurs putting to the SW.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Over a cross (x) cut in solid limestone, set an iron post 30 ins. long, 2 1/2 ins. diam., in a large mound of stone, with brass cap mkd.

East Bdy. of T. 38 S., R. 1 E.

Chains

201010

T38S  
R1E R2E  
S1 | S6  
S12 | S7

1956

Land, broken desert badlands; soil, clay.  
Timber, very widely scattered juniper.  
Undergrowth, very scant. Shadscale, grass and weeds.

North bet. secs. 1 and 6.

Over broken clay badlands, through widely scattered timber and scant undergrowth; asc. 190 ft.

16.50

Top of broken blue clay country, spur ridge, bears S. 30° E., and N. 30° W., thence over a series of spurs and draws, putting to the SE.

37.10

Wash, drains N. 85° E.

40.00

Point for the 1/4 sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T38S

R1E 1/4 R2E  
S1 | S6

1956

Deposit a limestone rock 4x4x2 ins., mkd. with a cross (x) at the base of the post.

59.00

Across a series of spurs and draws, putting to the SE.  
Draw, drains S. 10° E.

60.29

Intersect the N. bdy. of the Tp., at a point 4.28 chs. S. 89° 57' of the original 1/4 sec. cor. of secs. 1 and 36, mkd. by an iron post 1 in. in diam., conforming to the record. As this point now refers to T. 37 S. only, I remove the markings pertaining to T. 38 S.

At the point of intersection, over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, 2 1/2 ins. diam., in a large mound of stone, with brass cap mkd.

T37S

R1E  
S36  
S1 | S6

C C

R1E T38S R2E  
1956

Land, broken desert.  
Soil, clay with some sandy clay loam in the north portion of the sec.  
Timber, widely scattered juniper and pinon.  
Undergrowth, scant. Shadscale, sagebrush, mountain rush and grass.

Subdivision of T. 38 S., R. 1 E.

Subdivision of T. 1988

Chains

Beginning at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp.

Thence

N. 0° 01' W. bet. secs. 35 and 36.

Short gently rolling desert land, through scattered timber and medium dense undergrowth, sloping gently to the S.

24.00 Leave sagebrush flat, enter medium timber.

32.70 Top of gentle rise; desc. along a gentle N. slope.

40.00 Point for the 1/4 sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T38S R1E

S35 | S36

1956

from which

A pinon 8 ins. in diam., bears N. 67° 45' E. 109 lks. dist., mkd. 1/4 S36 BT.

A pinon 6 ins. in diam., bears N. 72° 15' W. 67 lks. dist., mkd. 1/4 S35 BT.

48.70 Wash, drains W.

54.50 Spur, projects SW.

62.20 Draw, drains S. 20° W.

79.00 Deep draw, drains N. 30° W.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

On the SW. slope of a spur, projecting W., set an iron post, 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T38S R1E

S26 | S25  
S35 | S36

1956

from which

A pinon 3 ins. in diam., bears S. 05° 45' E. 109 lks. dist., mkd. BT.

A pinon 14 ins. in diam., bears S. 50° 15' W. 151 lks. dist., mkd. T38S R1E S35 BT.

A juniper 8 ins. in diam., bears N. 40° 15' W. 55 lks. dist., mkd. T38S R1E S26 BT.

Land, rolling desert.

Soil, sandy clay loam and gravel in the N. portion.

Timber, scattered juniper and pinon.

Undergrowth, sagebrush, mountain rush and medium grass.

Subdivision of T. 38 S., R. 1 E.

Chains

2000

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

Thence

S. 89° 54' W. bet. secs. 25 and 36.

Over rolling desert land, through medium dense timber and scant undergrowth; desc. 60 ft. over a W. slope.

25.60 Wash, drains S. 20° W.

39.80 Draw, drains S.

39.99 Point for the 1/4 sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T38S R1E

1/4 — S25  
S36

1956

from which

A pinon 6 ins. in diam., bears S. 51° 15' W. 19 lks. dist., mkd. 1/4 S36 BT.

42.00 Sagebrush opening 2.00 chs. wide, 4.00 chs. long, bears N. and S.

43.30 Desc. along a gentle S. slope.

48.00 Wash, drains S. 10° E.

79.98 The cor. of secs. 25, 26, 35 and 36.

Land, rolling desert.

Soil, sandy clay loam and gravel.

Timber, medium dense juniper and pinon.

Undergrowth, ewiump, sagebrush, mountain rush and scant grass.

Beginning at the cor. of secs. 3, 4, 33 and 34, on the S. Bdy. of the Tp.

Thence

N. 0° 02' W. bet. secs. 33 and 34.

Over rolling desert land, through medium dense timber and scattered undergrowth.

2.70 Right bank of Wahweap Wash, bears S. 30° E. and N. 30° W., thence across wash draining S. 30° E.

9.40 Left bank of wash, bears S. 40° E.

15.50 Spur, projects W.

23.10 Left bank of Wahweap Wash, bears S. 50° W. and N. 40° E., thence across wash draining S. 45° W.

25.30 Right bank of wash, bears S. 40° W. and N. 40° E.

28.40 Right bank of Wahweap Wash, bears S. 40° E. and N. 40° W., thence across wash draining S. 40° E.

## Subdivision of T. 38 S., R. 1 E.

## Chains

- 34.50 Left bank of wash, bears S. 40° E. and N. 40° W.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 33 and 34, falls on overflow land, where it is unsafe to set an iron post.
- 40.50 Point for the witness  $\frac{1}{4}$  sec. cor. of secs. 33 and 34.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E

W C

↓

S33 ↓ S34

1956

from which

A juniper 3 ins. in diam., bears N. 19° 30' E. 229 lks. dist., mkd. X. BT.

A juniper 6 ins. in diam., bears N. 27° W. 306 lks. dist., mkd. X. BT.

Raise a mound of stone 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of the post.

- 43.60 Spur, projects NW.
- 54.10 Left bank of Wahweap Wash, bears E. and W., thence across wash draining W.
- 58.00 Right bank of wash, bears E. and W.; asc. 54 ft.
- 68.90 Spur, projects S. 20° E.
- 76.70 Draw; drains SE.
- 80.00 Point for the cor. of secs. 27, 28, 33 and 34.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. in diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E

S28 | S27

S33 | S34

1956

from which

A juniper 6 ins. in diam., bears N. 78° E. 63 lks. dist., mkd. T38S R1E S27 BT.

A juniper 10 ins. in diam., bears S. 17° 30' E. 20 lks. dist., mkd. T38S R1E S34 BT.

A pinon 8 ins. in diam., bears S. 15° 30' W. 104 lks. dist., mkd. T38S R1E S33 BT.

Raise a mound of stone 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of the post.

Land, rolling desert.

Soil, sandy clay loam.

Timber, medium dense juniper and pinon.

Undergrowth, sagebrush, mountain rush and scant grass.

Subdivision of T. 38 S., R. 1 E.

Chains

N. 0° 02' W. bet. secs. 27 and 28.

Over rolling desert land, through medium dense timber and scant undergrowth; asc. 70 ft. along a SE. slope.

13.90

Spur, projects E., thence over a series of small spurs and draws putting to the SE.

33.70

Draw, drains E., thence along a gentle E. slope.

39.00

Draw, drains E.

40.00

Point for the 1/4 sec. cor. of secs. 27 and 28.

On the S. slope of a gravel spur, projecting E., set an iron post 30 ins. long, 2 1/2 ins. diam., 14 ins. in the ground and in a mound of stone, with brass cap mkd.

↑  
S28 | S27

1956

from which

A pinon 6 ins. in diam., bears N. 45° 30' E. 95 lks. dist., mkd. 1/4 S27 BT.

A pinon 10 ins. in diam., bears S. 30° 45' W. 8 lks. dist., mkd. 1/4 S28 BT.

47.50

Gravel spur, projects E.; desc. 20 ft. along a NE. slope.

62.70

Wash, drains SE.; asc. 110 ft.

78.70

Spur, projects S. 70° E.; desc. 20 ft. along a N. slope.

80.00

Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

T38S R1E  
S21 | S22  
S28 | S27

1956

from which

A pinon 6 ins. in diam., bears N. 66° 15' E. 84 lks. dist., mkd. T38S R1E S22 BT.

A juniper 6 ins. in diam., bears S. 39° 30' E. 50 lks. dist., mkd. BT.

A juniper 6 ins. in diam., bears S. 43° 30' W. 18 lks. dist., mkd. T38S R1E S28 BT.

A juniper 3 ins. in diam., bears N. 70° 30' W. 30 lks. dist. mkd. BT.

Land, rolling desert.  
Soil, sandy clay loam, with some gravel spurs.  
Timber, medium dense juniper and pinon.  
Undergrowth, medium sagebrush, mountain rush, bitter brush and scant grass.

Subdivision of T. 38 N., R. 11 E.

Chains

By 0° 02' W. bet. sec. 21 and 22.

Over rolling desert land, through dense timber and medium undergrowth; desc. along a gentle N. slope.

8.00 Wash, drains S. 80° E.; asc. along a gentle E. slope.

14.60 Leave timber, enter sagebrush opening.

16.60 Enter timber.

26.00 Wash, drains N. 40° E. from W.

40.00 Point for the 1/4 sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, with brass cap mkd.

T38S R1E

1/4 S21 | S22

1956

from which

A pinon 12 ins. in diam., bears N. 72° E. 56 lks. dist., mkd. 1/4 S22 BT.

A pinon 8 ins. in diam., bears S. 38° W. 13 lks. dist., mkd. 1/4 S21 BT.

Asc. 25 ft. along a SW. slope.

48.00 Spur, S. 85° E.; desc. 25 ft. along a NE. slope.

70.70 Draw, drains S. 35° E.; asc. 30 ft. over a gentle S. slope.

77.90 Spur, projects E.; desc. 20 ft. over a north slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22, falls in a draw draining S. 80° E., where it is unsafe to set a monument.

Land, rolling desert.

Soil, sandy clay.

Timber, dense juniper and pinon.

Undergrowth, scattered sagebrush, mountain rush, bitter brush and grass.

N. 0° 02' W. bet. sec. 15 and 16.

Over rolling desert land, through dense timber and scant undergrowth.

.20 Point for the witness cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground and in a mound of stone, with brass cap mkd.

T38S R1E

W C

1/4 S16 | S15

S21 | S22

1956

from which

## Subdivision of T. 38 S. 10 E. 1/4 Sec.

Chains

A pinon 12 ins. in diam., bears S. 55° E. 210 lks. dist., mkd. T38S R1E S22 BT.

A juniper 8 ins. in diam., bears N. 62° W. 92 lks. dist., mkd. T38S R1E S16 BT.

Asc. 25 ft. along a SE. slope.

3.00 Small spur, projects E.; desc. 20 ft.

17.00 Small draw, drains E.; asc. 30 ft.

19.50 Spur, projects E. 1 chain to end.

31.50 Wash, 4 ft. deep, 2 ft. wide, drains S. 70° E.; asc. 50 ft.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground, with brass cap mkd.

T38S R1E

$\frac{1}{4}$  S16 | S15

1956

from which

A juniper 20 ins. in diam., bears S. 73° E. 46 lks. dist., mkd.  $\frac{1}{4}$  S15 BT.

A juniper 12 ins. in diam., bears N. 85° W. 13 lks. dist., mkd.  $\frac{1}{4}$  S16 BT.

Asc. 40 ft. over a gentle SE. slope.

55.00 Wash, drains S. 10° E.

73.00 Spur, projects E.; desc. a gentle N. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R1E

S 9 | S10  
S16 | S15

1956

from which

A pinon 12 ins. in diam., bears N. 77° E. 70 lks. dist., mkd. T38S R1E S10 BT.

A juniper 12 ins. in diam., bears S. 58° W. 18 lks. dist., mkd. T38S R1E S16 BT.

Land, rolling desert.

Soil, sandy clay.

Timber, dense juniper and pinon.

Undergrowth, scant sagebrush, mountain rush, silverleaf and grass.

N. 0° 02' W. bet. secs. 9 and 10.

Subdivision of T<sub>3</sub> 38 S., R. 1 E.

Chains

Over gently rolling desert land, through dense timber and scant undergrowth.

2.40 Small wash, drains E.

10.60 Small draw, drains E., enter sagebrush flat.

25.00 Draw, drains E, 30° E., leave sagebrush flat.

37.00 Draw, drains S. 40° E.

40.00 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., 22 ins. in the ground, with brass cap mkd.

T38S R1E

↑  
S9 | S10

1956

from which

A pinon 8 ins. in diam., bears N. 55° E. 48 lks. dist., mkd.  $\frac{1}{4}$ S10 BT.

A pinon 12 ins. in diam., bears S. 62° W. 23 lks. dist., mkd.  $\frac{1}{4}$ S9 BT.

43.00 Small spur, projects S. 75° E.

63.00 Draw, drains S. 50° E.

74.00 Enter sagebrush flat.

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., 20 ins. in the ground, with brass cap mkd.

T38S R1E

S4 | S3  
—  
S9 | S10

1956

from which

A juniper 14 ins. in diam., bears N. 40° E. 88 lks. dist., mkd. T38S R1E S3 BT.

A pinon 6 ins. in diam., bears S. 70° E. 88 lks. dist., mkd. T38S R1E S10 BT.

Land, gently rolling desert.

Soil, sandy clay,

Timber, medium juniper and pinon.

Undergrowth, scant, bitter brush, mountain rush, sagebrush and grass.

N. 0° 02' W. bet. secs. 3 and 4.

Over gently rolling desert land, through medium dense timber and medium undergrowth.

12.00 Small sagebrush opening sloping gently to the E.

Subdivision of T. 38 S., R. 1 E., S. 4

Chains

32.50

Small draw, drains S. 40° E.

40.00

Point for the 1/4 sec. cor. of secs. 3 and 4.  
Set an iron post, 30 ins. long, 2 1/2 ins. diam., 15 ins. in the ground and in a mound of stones, with brass cap mkd.

T38S R1E  
S4|S3  
1956

from which

A pinon 8 ins. in diam., bears S. 45° E. 14 lks. dist., mkd. 1/4 S3 BT.

A pinon 10 ins. in diam., bears N. 70° W. 54 lks. dist., mkd. 1/4 S4 BT.

44.00

Wash, drains S. 70° E.

50.00

Spur, projects S. 20° E.

59.00

Wash, drains E.

60.14

Intersect the N. Bdy. of the Tp. at a point 4.33 chs. S. 89° 57' W. of the original 1/4 sec. cor. of sec. 33 and 4, mkd. by an iron post 1 in. in diam., conforming to the record. As this point now refers to T. 37 S. only, I remove the markings pertaining to T. 38 S.

At the point of intersection, set an iron post, 30 ins. long, 2 1/2 ins. in diam., 22 ins. in the ground, with brass cap mkd.

T37S R1E  
S33  
S4|S3  
C.G.  
T38S R1E  
1956

from which

A pinon 6 ins. in diam., bears S. 41° E. 54 lks. dist., mkd. T38S R1E S3 CC BT.

A juniper 8 ins. in diam., bears S. 25° 30' W. 51 lks. dist., mkd. T38S R1E S4 CC BT.

Land, rolling desert.

Soil, sandy clay.

Timber, medium dense juniper and pinon.

Undergrowth, medium sagebrush, bitter brush, oak, silverleaf, and scant grass.

At a point on the S. Bdy. of sec. 34, T. 37 S., R. 1 E. 80.00 chs. East of the closing cor. of secs. 3 and 4, T. 38 S., R. 1 E., and 4.33 chs. S. 89° 57' W. of the original 1/4 sec. cor. of secs. 3 and 34, mkd. by an iron post, 1 in. diam., conforming to the record, and which I remark to refer to sec. 34 only.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground for the cor. of secs. 2 and 3, T. 38 S., R. 1 E., with brass cap mkd.

Subdivision of T. 38 S., R. 11 E.

Chains

T378 R1E

S3 | S2

T388 R1E

1956

from which

A pinon 20 ins. in diam., bears S. 42° E. 22 lks. dist., mkd. T388 R1E S2 BT.

A pinon 8 ins. in diam., bears S. 20° 30' W. 37 lks. dist., mkd. T388 R1E S3 BT.

Thence

S. 0° 01' E. bet. secs. 2 and 3.

Over gently rolling desert land, through dense timber and scant undergrowth.

4.50 Draw, drains S. 40° W., thence over a series of small draws and spurs putting to the SW.

20.19 Point for the 1/4 sec. cor. of secs. 2 and 3.

On a rocky spur, projecting SW., set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground to solid rock and in a mound of stone, with brass cap mkd.

T388 R1E

S3 | S2

1956

from which

A scrub pinon, bears S. 20° E. 12 lks. dist., mkd. BT.

A scrub pinon, bears S. 80° W. 38 lks. dist., mkd. BT.

Desc. 40 ft. over a S. slope.

28.00 Draw, drains S. 70° W.; asc. 125 ft. over a NW. slope.

31.50 Sandstone spur ridge, projects N. 30° E. and S. 30° W. 20.00 chs. to end.

Desc. 250 ft. over a broken east slope.

60.19 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T388 R1E

S3 | S2

S10 | S11

1956

Deposit a sandstone rock, 4x4x2 ins. mkd. with a cross (x) at the base of the post.

Land, rolling and broken desert. Soil, sandy clay, the first half, clay with exposed sandstone the balance.

303

## Subdivision of T. 38 S., R. 1 E.

Chains

Timber, medium dense juniper and pinon the first half, widely scattered the balance.  
Undergrowth, scant sagebrush, bitterbrush, shadscale and grass.

N. 89° 59' E. bet. secs. 2 and 11.

Over broken desert land, through scattered timber and scant undergrowth; desc. 35 ft.

4.50 Draw, drains N. 70° E.

8.50 Recross draw, drains S. 30° E.

15.50 Rim, above canyon, bears S. 80° W. and N. 80° E.; desc. 70 ft. along a S. slope.

22.00 Canyon, drains S. 20° W.; asc. 155 ft. over a W. slope.

31.00 East rim of canyon, bears S. 20° W. and N. 20° E.; asc. 23 ft.

34.50 Clay ridge, bears N. and S.; desc. 100 ft. over an E. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11.

Over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., in a large mound of stone, with brass cap mkd.

T38S R1E

$\frac{1}{4}$   $\frac{S2}{S11}$

1956

from which

A juniper 24 ins. in diam., bears N. 36° 15' E. 42 lbs. dist., mkd.  $\frac{1}{4}$ S2 BT.

A juniper 20 ins. in diam., bears S. 40° 15' W. 39 lbs. dist., mkd.  $\frac{1}{4}$ S11 BT.

Desc. along an E. slope.

51.30 Draw, drains S. 70° E.

Asc. 50 ft.

55.50 Rocky clay spur, projects S.; desc. 45 ft.

65.00 West slope of clay knoll; desc. 35 ft.

67.50 Draw, drains S. 1.00 ch., thence W. 2.00 chs., thence S.

80.00 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T38S R1E

$\frac{S2}{S11} | \frac{S1}{S12}$

1956

Subdivision of T. 38 S., R. 1 E.

Chains

From which  
A juniper 6 inches diam., bears N. 63° 15' W. 235 lks.  
dist., mkd. T388 R1E S2 ET

Land, broken desert badlands.  
Soil, sandy clay and clay.  
Timber, scattered juniper and pinon.  
Undergrowth, scant greasewood, shadscale, and grass.

N. 40° 01' W. bet. secs. 1 and 2.  
Over rolling desert land, through scattered timber and scant  
undergrowth; asc. 40 ft. over a S. slope.  
1.00 Clay spur, projects W. 1.50 chs. to end.  
12.50 Draw, drains S. 40° W.  
15.00 Recross draw, drains E.  
20.00 Recross draw, drains SW., enter blue clay badlands, thence over a  
series of clay spurs and small draws.

28.50 Spur, projects N. 65° E.  
40.00 Point for the 1/4 sec. cor. of secs. 1 and 2.  
On a clay spur, projecting S. 40° E., set an iron post, 30 ins.  
long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.

T388 R1E

1/4  
S2 | S1

1956

Deposit a sandstone rock, 4x3x2 ins. mkd. with a cross (x) at  
the base of the post.

46.00 Spur, projects E.  
50.00 Spur, projects N. 70° E.  
57.00 Spur, projects S. 70° E.  
60.19 Intersect the S. bdy. of sec. 35, T. 37 S., R. 1 E., at a point  
3.18 chs. S. 89° 57' W. of the true point for the original 1/4 sec.  
cor. of secs. 2 and 35, and 4.36 chs. S. 89° 57' W. of its witness  
cor.

At the point of intersection.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the  
ground, at the closing cor. of secs. 1 and 2, with brass cap mkd.

T378 R1E

S35

S2 | S1

C C

T388 R1E

1956

Deposit a sandstone rock, 4x3 ins. mkd. with a cross (x) at  
the base of the post.

Subdivision of T. 38 S. 24 E. R. 23

Chains

Land, broken desert badlands.  
Soil, sandy clay and clay.  
Timber, scattered juniper and piñon.  
Undergrowth, scant sagebrush, shadscale, and grass.

Establishment of the  $\frac{1}{4}$  sec. cor. on the N. bdy. of sec. 2.  
At a point 4.38 chs. S. 89° 57' W. of the cor. of secs. 14 and 35  
T. 37 S., R. 1 E.

Set an iron post 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the  
ground, at the  $\frac{1}{4}$  sec. cor. on the N. bdy. of sec. 2, with brass c  
mkd.

$\frac{1}{4}$  S2  
T388 R15

1956

Deposit a sandstone rock, 5x3x2 ins. mkd. with a cross (x) at  
the base of the post.

Beginning at the true point for the cor. of secs. 15, 16, 21, and

Thence

West bet. secs. 16 and 21.

Over broken desert land, through medium dense timber and medium  
undergrowth, thence along the N. slope of a spur, projecting  
S. 80° E.; desc. 65 ft.

18.00 Draw, drains S. 20° W.

23.00 Small spur, projects S. 5.00 chs. to end.

31.00 Draw, drains S. 60° E.

35.00 Recross draw, drains N. 55° E.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the  
ground, with brass cap mkd.

T385 R16  
 $\frac{1}{4}$  S16  
S21

1956

from which  
A juniper 12 ins. in diam., bears S. 27° 45' W. 32 lks.  
dist., mkd.  $\frac{1}{4}$  S21 BT.

A pinon 8 ins. in diam., bears N. 52° 30' W. 50 lks. dist.,  
mkd.  $\frac{1}{4}$  S16 BT.

Foot of the Cock's Comb; asc. 335 ft. over a rocky E. slope.

60.00 Top of the Cock's Comb; a sandstone rim projecting N. and S.;  
desc. 325 ft. over a W. slope.

Subdivision of T. 38 S., R. 1 E.

Chains	<p>73.00 Draw, drains S.; asc. 160 ft. over an E. slope.</p> <p>80.00 Point for the cor. of secs. 16, 17, 20 and 21.</p> <p>Cement a brass tablet, 3 1/2 ins. in diam., with a 3 in. stem in a hole drilled in solid sandstone, with cap mkd.</p> <p style="text-align: center;">T38S R1E S17 S16 S20 S21</p>
	<p style="text-align: center;">1956</p> <p>Raise a mound of stone 3 ft. base, 2 1/2 ft. high, W. of the post.</p> <p>Land, broken desert mountain land. Soil, sandy clay, with exposed sandstone. Timber, medium dense juniper and pinon. Undergrowth, scant bitter brush, mountain rush, silverleaf and grass.</p>
	<p>N. 0° 03' W. bet. secs. 16 and 17.</p> <p>Over broken desert mountain land, through widely scattered timber and scant undergrowth; asc. 30 ft. along E. slope of west Cock's Comb.</p> <p>13.00 Draw, drains S. 70° E.; asc. 175 ft.</p> <p>38.00 Sandstone rim of draw, bears E. and W.</p> <p>40.00 Point for the 1/4 sec. cor. of secs. 16 and 17.</p> <p>Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T38S R1E ↑ S17 S16</p>
	<p style="text-align: center;">1956</p> <p>from which</p> <p>A pinon 8 ins. in diam., bears S. 61° 45' W. 23 lks. dist., mkd. 1817 BT.</p> <p>42.30 Draw, drains S. 70° E.; asc. 180 ft. over a broken E. slope.</p> <p>58.00 Small draw, drains S. 60° E., thence along a SE. slope.</p> <p>75.00 Head of draw, drains W.</p> <p>76.00 Rim, top of Cock's Comb, bears S. 05° W. and N. 05° E.; desc. along a west slope.</p> <p>80.00 Point for the cor. of secs. 8, 9, 16 and 17.</p> <p>Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R1E S8 S9 S17 S16</p>
	<p style="text-align: center;">1956</p>

Subdivision of E. 38 37, 1 E.

Chains

from which

A juniper 4 ins. in diam., bears S. 56° 15' W. 28 lbs. dist., mkd. T38S R1E S17 NE.

Land, broken desert mountain.  
Soil, principally barren sandstone the first 1/2 mile, sandy clay the balance.  
Timber, widely scattered juniper and pinon.  
Undergrowth, scant manzanita, service berry and grass.

Beginning at the cor. of secs. 9, 10, 15 and 16.

Thence

S. 89° 59' W. bet. secs. 9 and 16.

Over broken desert mountain land, through medium dense timber and scant undergrowth; asc. 125 ft. over an E. slope.

20.00 Sandstone rib, bears S. 10° E. and N. 10° W.; desc. 110 ft. over ledges facing to the W.

22.00 Draw, drains S. 20° E.; asc. 190 ft. over an E. slope.

27.80 Spur, projects S. 40° E.; desc. 60 ft. over a SW. slope.

32.60 Draw, drains S. 40° E.; asc. 160 ft. over a NE. slope.

40.01 Point for the 1/4 sec. cor. of secs. 9 and 16.

Set an iron post, 36 ins. long, 1 in. diam., 9 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.

T38S R1E  
1/4  $\frac{S 9}{S16}$

1956

Deposit a sandstone rock 5x3x3 ins. mkd. with a cross (x) at the base of the post.

Asc. 360 ft. over a broken E. slope.

53.50 Top of east Cock's Comb, a sandstone rim 100 ft. high, on spur ridge, bears N. and S.; desc. 300 ft. over a broken W. slope.

62.50 Bottom of deep draw, between east and west Cock's Combs, drains S.; asc. 275 ft. over a broken NE. changing to an E. slope.

78.50 Top of west Cock's Comb, a sandstone ridge, bears S. 05° W. and N. 05° E.; desc. 40 ft. over ledges facing W.

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

Land, broken desert mountain.  
Soil, sandy clay loam, with exposed sandstone.  
Timber, medium dense juniper and pinon.  
Undergrowth, scattered bitter brush, silver leaf, mountain rush and grass.

Beginning at the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp.

Thence

Subdivision of T. 38 S., R. 1 E.

Chains

Ed. n. 0° 03' W. bet. secs. 32 and 33.

Over broken desert mountain land, through widely scattered timber and scant undergrowth; asc. 200 ft. along an E. slope over a series of sandstone ribs and crevices, putting to the E.

21.90 Sandstone spur, projects E., thence along an E. slope of solid sandstone.

40.00 Point for the 1/4 sec. cor. of secs. 32 and 33.

On a sandstone rib, 25 ft. high projecting S. 80° E., cement a brass tablet 3 1/2 ins. in diam., with a 3 in. stem, in a hole drilled in solid sandstone, with cap mkl.

T38S R1E

S32 | S33

1956

Raise a mound of stone 3 ft. base, 3 ft. high, W. of the tablet.

Asc. 100 ft. along an E. slope.

52.60 Sandstone spur, projects E., thence along an E. slope over a series of sandstone ribs, putting to the E.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

On a small sandstone rib, projecting S. 70° E., cement a brass tablet 3 1/2 ins. in diam., with a 3 in. stem, in a hole drilled in solid sandstone, with cap mkl.

T38S R1E

S29 | S28  
S32 | S33

1956

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

Land, broken desert mountain.

Soil, sandstone, with sand in the pockets and crevices.

Timber, widely scattered juniper and pinon.

Undergrowth, scant bitter brush, mountain rush and grass.

Beginning at the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.

Thence

N. 0° 03' W. bet. secs. 31 and 32.

Over broken and rolling desert mountain land, through medium dense timber and medium undergrowth; asc. over a S. slope.

5.00 Sandstone ledge 150 ft. high; asc. 180 ft. over a S. slope.

26.50 Top of ascent, thence over gently rolling mountain land.

28.00 Enter sagebrush opening, with a few widely scattered juniper.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 32.

## Subdivision of T. 38 S., R. 1 E.

Chains

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T38S R1E

S31|S32

1956

from which

A juniper 6 ins. in diam., bears S.  $89^{\circ} 45'$  W. 10 lks. dist., mkd.  $\frac{1}{4}$  S31 BT.

52.00 Leave sagebrush opening, enter dense juniper and pinon; asc. 80 over a S. slope.

59.20 Spur, projects E.; desc. 40 ft. over a N. slope.

69.50 Draw, drains S.  $75^{\circ}$  E.

70.00 Small spur, projects E., thence along a gentle E. slope.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Over a cross (x) cut in solid sandstone, set an iron post, 30 in long,  $2\frac{1}{2}$  ins. diam., in a mound of stone, with brass cap mkd.

T38S R1E

S30|S29

S31|S32

1956

from which

A juniper 8 ins. in diam., bears N.  $63^{\circ}$  E. 14 lks. dist., mkd. T38S R1E S29 BT.

A juniper 12 ins. in diam., bears S.  $63^{\circ}$  W. 53 lks. dist., mkd. T38S R1E S31 BT.

Land, rolling and broken desert mountain land.

Soil, sandy clay, with some exposed sandstone.

Timber, medium dense juniper and pinon.

Undergrowth, medium mountain rush, bitter brush, sagebrush and grass.

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

Thence

N.  $89^{\circ} 56'$  W. bet. secs. 29 and 32.

Over broken desert mountain land, through medium dense timber and scattered undergrowth; asc. 415 ft. over a broken E. slope.

16.60 Top of the Cock's Comb, a sandstone ridge, bears N. and S.; desc. 220 ft. over a W. slope, thence over a series of small spurs and draws, putting to the S.

37.40 Spur, projects S.; desc. 40 ft.

39.93 Point for the  $\frac{1}{2}$  sec. cor. of secs. 29 and 32.

On the west edge of a ridge, bearing N.  $10^{\circ}$  E. and S.  $10^{\circ}$  W.

310

## Subdivision of T. 38 S., R. 1 E.

Chains

an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap nhd.

$$\begin{array}{r} \text{T38S R1E} \\ \frac{829}{832} \\ \hline \frac{1}{4} \end{array}$$

1956

Raise a mound of stone, 3 ft. base,  $2\frac{1}{2}$  ft. high, N. of the post.

Desc. 235 ft. over a W. slope.

50.00 Enter sagebrush opening, thence across nearly level bottom land.

52.40 Wash, drains S.; asc. 65 ft. over a gentle E. slope.

72.00 Leave opening, enter timber; asc. 115 ft. over an E. slope.

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

Land, broken and rolling desert mountain.

Soil, sandy clay loam, with some exposed sandstone.

Timber, medium dense juniper and pinon.

Undergrowth, medium sagebrush, bitter brush, grass and weeds.

## General Description

The land in the township varies from a broken desert mountain in the western portion, to clay badlands in the NE. and gently rolling desert in the SE. and center. The drainage is all to the S. into tributaries of the Colorado River. The soil is principally a sandy clay loam. There is a medium dense growth of juniper and pinon over most of the township. The undergrowth is mainly sagebrush, with lesser amounts of bitter brush, mountain rush, silver leaf, grass, shadscale and weeds. There are no permanent habitations in the township. A limited amount of prospecting for fissionable minerals has been, and, to some extent, is still being carried on in the area.

Section and quarter-section corners on the North boundary set in 1922 for Ts. 37 and 38 S., function only as corners for T. 37 S.

Corners set on the West boundary of this township in 1918 and marked for R. 1 E., do not function as such.





CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor the  
pursuance of special instructions bearing date of the 25 day of June,  
I have ~~surveyed~~ retraced a portion of the north bdy., and surveyed the south and  
boundaries and a portion of the subdivision of T. 38 S., R. 1 E.

of the Salt Lake Meridian, in the State of Utah, which  
represented in the foregoing field notes as having been executed by me ~~and under my direction~~, and  
said survey has been made in strict conformity with said instructions, the Manual of Instructions for  
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing  
field notes.

Salt Lake City, Utah  
June 24, 1957

*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.

\_\_\_\_\_  
Chief, Division of Cadastral Engineering

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

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25 day of June, 1956

I have ~~surveyed~~ supervised the retracement of a portion of the north bdy., the survey of the south and east boundaries and a portion of the subdivision of T. 38 S., R. 1 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~~ 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  
June 21, 1957

Robert C. Yundt  
Robert C. Yundt, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., SEP 13 1957, 1957

The foregoing field notes of the ~~survey of~~ retracement of a portion of the north bdy., the survey of the south and east boundaries and a portion of the subdivision of T. 38 S., R. 1 E. SLM, Utah

executed by Fred R. Chappell under the supervision of Robert C. Yundt having been critically examined and found correct, are hereby approved.

Donald B. Clement  
Chief, Division of Cadastral Engineering,  
Acting 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  
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the South Boundary

and

Portions of the East Boundary and Subdivision

of

Township 38 South, Range 2 East

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Kenneth D. Witt, Cartographic Survey Aid

Robert C. Yundt, Cadastral Surveyor (Chief of Party)

Under special instructions dated June 25, 1956, which provided

for the surveys included under Group No. 409, approved June 28, 1956

and assignment instructions dated July 2, 1956

Survey commenced October 15, 1956

Survey completed November 2, 1956

# INDEX DIAGRAM

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## Township 38 South, Range 2 East

Chains

The north boundary of T. 38 S., R. 2 E. was surveyed by Edie S. C. Smith in 1921. The west boundary was surveyed concurrently under this group, and the record appears in the field notes of T. 38 S., R. 1 E.

The following field notes are those of a survey of the south boundary, a portion of the east boundary, and a portion of the subdivision of T. 38 S., R. 2 E.

The corners along the latitudinal section lines are established on the true latitudinal curve, and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the entire township had been subdivided.

The survey was executed with W. and L. E. Gurley solar transit No. 541327, property of the Bureau of Land Management and constructed in accordance with their standard specifications. The horizontal plate has two double verniers placed opposite to each other and graduated to 30 seconds of arc. The instrument has a full vertical circle with one double vernier graduated to single minutes of arc. It is equipped with improved type solar attachment, but since this attachment was not used, no description of it will be included here. The instrument was in good adjustment and prior to the beginning of the field work it was examined and all errors eliminated. It was maintained in proper adjustment throughout the survey.

The geographic position of the SE. cor. of the township, determined from data obtained from the U. S. Geological Survey, is as follows: Latitude  $37^{\circ} 27' 23''$  N., Longitude  $111^{\circ} 37' 58''$  W.

The directions of the lines of the survey were determined by reference to true meridians established on line by Polaris observations. 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 were tested by comparison with a standard steel tape, one chain in length, and found to be correct. These tapes were graduated every link for the first chain and thereafter at intervals of 10 links. The measurements were made on the slope. The vertical angle of each interval was determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents which appear in these notes. In most cases, the measurements were determined by chaining, but in some instances they were obtained by triangulation or traverse. The details of these triangulations and traverses were thoroughly verified and only the true line distances are recorded in these field notes.

The mean magnetic declination was found to be  $15\frac{1}{4}^{\circ}$  East.

## Survey of the South Boundary of T. 38 S., R. 2 E.

Beginning at the true point for the cor. of Ts. 38 and 39 S., Rs. 2 and 3 E., from which point its witness corner, mkd. by an iron post,  $2\frac{1}{2}$  ins. diam., as described in the field notes of T. 39 S., R. 2 E., bears North, 10 lks. dist.

West, bet. secs. 1 and 36.

Over gently rolling land, through scattering timber and medium dense undergrowth.

## Survey of the South Boundary of T. 38 S., R. 2 E.

Chains

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 36, in a small draw draining S.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkl.

T38S R2E  
 $\frac{1}{4}$   $\frac{S\ 36}{S\ 1}$   
 T39S  
 1956

Deposit a sandstone rock, 5x4x3 ins., mkl. with a cross (X) at the base of the post.

80.00

Point for the cor. of secs. 1, 2, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkl.

T38S R2E  
 $\frac{S35|S36}{S2|S1}$   
 T39S  
 1956

Deposit broken glass at the base of the post.

Corner is situated at the head of a small draw draining S.

Land, rolling bench.

Soil, sandy to gravelly clay loam.

Timber, dwarf juniper and pinon.

Undergrowth, sagebrush, shadscale, and mountain rush.

West, bet. secs. 2 and 35.

Over rolling land, through scattering timber and medium dense undergrowth.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 35, in a small draw draining S.

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

T38S R2E  
 $\frac{1}{4}$   $\frac{S\ 35}{S\ 2}$   
 T39S  
 1956

Deposit broken glass at the base of the post.

80.00

Point for the cor. of secs. 2, 3, 34 and 35.

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

T38S R2E  
 $\frac{S34|S35}{S3|S2}$   
 T39S  
 1956

Deposit broken glass at the base of the post.

U. S. G. S. Survey of the South Boundary of T. 38 S., R. 2 E.

Chains

79.65

Land, rolling bench.  
Soil, sandy to gravelly clay loam.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, shadscale, and mountain rush.

West, bet. secs. 3 and 34.

Over rolling land, through scattering timber and medium dense undergrowth.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T38S R2E

$\frac{1}{4}$   $\frac{S\ 34}{S\ 3}$

T39S

1956

80.00

Point for the cor. of secs. 3, 4, 33 and 34, on the top of a ridge bearing N. and S.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T38S R2E

$\frac{S33}{S4} | \frac{S34}{S3}$

T39S R2E

1956

Deposit broken glass at the base of the post.

Land, rolling bench.  
Soil, sandy to gravelly clay loam.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, shadscale, and mountain rush.

West, bet. secs. 4 and 33.

Over rolling land, through widely scattered timber and medium dense undergrowth.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T38S R2E

$\frac{1}{4}$   $\frac{S\ 33}{S\ 4}$

T39S R2E

1956

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., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.

Survey of the South Boundary of T. 38 S., R. 2 E.

Chains	<p style="text-align: right;">T38S R2E  <u>S32 S31</u>                      S5 S4                      T39S R2E                      1956</p>
	<p>Land, rolling bench.                      Soil, sandy to gravelly clay loam.                      Timber, dwarf juniper and pinon.                      Undergrowth, sagebrush, shadscale, and mountain rush.</p>
40.00	<p>West, bet. secs. 5 and 32.</p> <p>Over broken clay spurs and small draws putting generally S., through widely scattered timber and scant undergrowth.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 5 and 32.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E  <math>\frac{1}{4}</math> <u>S 32</u>                      S 5                      T39S R2E                      1956</p> <p>Deposit broken glass at the base of the post.</p>
80.00	<p>Point for the cor. of secs. 5, 6, 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E  <u>S31 S32</u>                      S6 S5                      T39S R2E                      1956</p> <p>Deposit broken glass at the base of the post.</p> <p>Land, broken bench.                      Soil, gravelly to rocky clay loam.                      Timber, dwarf juniper and pinon.                      Undergrowth, sagebrush, shadscale, and grass.</p>
40.00	<p>West, bet. secs. 6 and 31.</p> <p>Over rolling bench, through medium dense timber and scant undergrowth.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 6 and 31.</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E  <math>\frac{1}{4}</math> <u>S 31</u>                      S 6                      T39S R2E                      1956</p>

Survey of the South Boundary of T. 38 S., R. 2 E.

Chains

78.65 The cor. of Ts. 38 and 39 S., Rs. 1 and 2 E., mkd. by an iron post, 2 1/2 ins. diam., as described in the field notes of T. 39 S., R. 1 E.

Land, rolling bench.  
Soil, sandy to gravelly clay loam.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, shadscale, and grass.

Survey of a Portion of the East Boundary of T. 38 S., R. 2 E.

Beginning at the true point for the cor. of Ts. 38 and 39 S., Rs. 2 and 3 E., hereinbefore described.

North, bet. secs. 31 and 36.

Over rolling land, through dense timber and scant undergrowth.

0.10 Witness cor. of Ts. 38 and 39 S., Rs. 2 and 3 E., hereinbefore described.  
26.50 Small draw, drains S. 45° W.

38.55 Low spur, slopes S. 40° W.

40.00 Point for the 1/4 sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T38S  
+  
R2E | R3E  
S36 | S31  
1956

Deposit broken glass at the base of the post.

Asc. a gradual SW. slope.

44.00 Ridge, bears S. 15° E. and N. 45° W.; desc. 280 ft. along a NE. slope.

61.45 Rocky draw, drains SE.; asc. 300 ft. over a S. slope.

78.90 Spur, slopes SW.; desc. along a NW. slope.

80.00 Point for the cor. of secs. 25, 30, 31 and 36, over a cross (X) cut in solid rock.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., in a large mound of stone, with brass cap mkd.

T38S  
R2E | R3E  
S25 | S30  
S36 | S31  
1956

Land, rolling in south, broken in the north.  
Soil, gravelly to rocky clay loam.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, shadscale, and mountain rush.

Survey of a Portion of the Subdivision of T. 38 S., R. 2 E.

<p>Chains</p> <p>40.00</p>	<p>Beginning at the cor. of secs. 25, 26, 35 and 36, on the S. bdy. of the township.</p> <p>N. 0° 01' W., bet. secs. 35 and 36.</p> <p>Asc. along a gradual SW. slope, through scattering timber and medium dense undergrowth.</p> <p>Point for the 1/4 sec. cor. of secs. 35 and 36.</p>	<p>ENTIRE</p>
<p>67.20</p> <p>80.00</p>	<p>Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E S35 S36 1956</p> <p>Deposit broken glass at the base of the post.</p> <p>Continue ascent along a SW. slope.</p> <p>Ridge, bears NW. and SE.; desc. along a NE. slope.</p> <p>Point for the cor. of secs. 25, 26, 35 and 36.</p>	<p>01.0</p> <p>02.85</p> <p>03.00</p>
<p>13.50</p> <p>23.10</p> <p>32.70</p> <p>37.10</p> <p>40.04</p>	<p>Set an iron post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E S26 S25 S35 S36 1956</p> <p>Land, broken mountain slopes. Soil, rocky clay loam. Timber, dwarf juniper and pinon. Undergrowth, sagebrush, shadscale, and grass.</p>	<p>00.00</p> <p>00.00</p> <p>00.00</p> <p>00.00</p>
<p>13.50</p> <p>23.10</p> <p>32.70</p> <p>37.10</p> <p>40.04</p>	<p>From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township.</p> <p>S. 89° 58' W., bet. secs. 25 and 36.</p> <p>Over broken land, through dense timber and scant undergrowth; asc. along a SW. slope.</p> <p>Spur, slopes S. 20° W.; desc. along a broken W. slope.</p> <p>Draw, drains S. 20° W.; asc. along a SE. slope.</p> <p>Spur, slopes S. 30° W.; desc. over a W. slope.</p> <p>Draw, drains SW.; asc. along a SE. slope.</p> <p>Point for the 1/4 sec. cor. of secs. 25 and 36, over a cross (X) cut in solid rock.</p> <p>Set an iron post, 30 ins. long, 2 1/2 ins. diam., in a large mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E S 25 1/4 S 36 1956</p>	<p>00.00</p> <p>00.00</p> <p>00.00</p> <p>00.00</p> <p>00.00</p> <p>00.00</p>

Survey of a Portion of the Subdivision of T. 38 S., R. 2 E.

Chains

Asc. 15 ft. along a SE. slope.

42.00 Spur, slopes S. 20° W.; desc. along a W. slope.

46.00 Small draw, drains S.; asc. along an E. slope.

50.70 Spur, slopes S. 20° W.; desc. along a W. slope.

59.60 Draw, drains S. 30° E.; continue along a broken S. slope.

71.40 Main wash, drains S. 20° E.; continue over rolling land.

80.08 The cor. of secs. 25, 26, 35 and 36.

Land, broken in the east, rolling in the west.  
Soil, sandy to gravelly clay loam.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, shadscale, and grass.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp.  
N. 0° 02' W., bet. secs. 33 and 34.

Over rolling land, through scattering timber and medium dense undergrowth.

40.00 Point for the 1/4 sec. cor. of secs. 33 and 34.

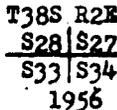
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.



Deposit a sandstone rock, 4x4x3 ins., mkd. with a cross (X) at the base of the post.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

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



Deposit broken glass at the base of the post.

Land, rolling.  
Soil, sandy to gravelly clay loam.  
Timber, dwarf juniper and pinon.  
Undergrowth, sagebrush, shadscale, and grass.

N. 0° 02' W., bet. secs. 27 and 28.

Over rolling land, through medium dense timber and scant undergrowth.

## Survey of a Portion of the Subdivision of T. 38 S., R. 2 E.

Chains

30.00

Main draw, drains SE.; asc. along a SW. slope.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 28.

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

T38S R2E

S28|S27

1956

Continue ascent along a broken SW. slope, over small draws and spurs putting SW.

80.00

Point for the cor. of secs. 21, 22, 27 and 28, over a cross (X) cut in solid sandstone.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, with brass cap mkd.

T38S R2E

S21|S22

S28|S27

1956

Land, broken mountainous slopes.

Soil, rocky clay loam.

Timber, dwarf juniper and pinon.

Undergrowth, sagebrush, shadscale, and grass.

N. 0° 02' W., bet. secs. 21 and 22.

Over broken land, through scattering timber and medium dense undergrowth; asc. along a SW. slope.

5.50

Spur, slopes SW.; desc. along a NW. slope.

10.00

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

23.50

Spur, slopes S. 30° W.; desc. along a NW. slope.

32.50

Draw, drains S. 70° W.; asc. along a SE. slope.

37.50

Spur, slopes S. 60° W.; desc. along a NW. slope.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 21 and 22.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T38S R2E

S21|S22

1956

(Survey discontinued at this point.)

Land, broken mountain slopes.

Soil, rocky clay loam.

Timber, dwarf juniper and pinon.

Undergrowth, sagebrush, shadscale, and mountain rush.

Survey of a Portion of the Subdivision of T. 38 S., R. 2 E.

Chains	<p>From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp. N. 0° 03' W., bet. secs. 32 and 33.</p> <p>Over rolling land, through scattering timber and medium dense undergrowth.</p> <p>40.00 Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 32 and 33.</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E ↓ S32 S33 1956</p>
	<p>Deposit broken glass at the base of the post.</p> <p>Continue over rolling mesa.</p> <p>80.00 Point for the cor. of secs. 28, 29, 32 and 33.</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., 18 ins. in the ground, and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E S29 S28 S32 S33 1956</p> <p>Deposit broken glass at the base of the post.</p> <p>Land, rolling desert. Soil, sandy to gravelly clay loam. Timber, dwarf juniper and pinon. Undergrowth, sagebrush, shadscale, and mountain rush.</p>
	<p>From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp. N. 0° 03' W., bet. secs. 31 and 32.</p> <p>Over rolling land, through widely scattered timber and scant undergrowth.</p> <p>40.00 Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2<math>\frac{1}{2}</math> ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T38S R2E ↓ S31 S32 1956</p> <p>Continue over rolling land.</p> <p>80.00 Point for the cor. of secs. 29, 30, 31 and 32, on the E. slope of a clay spur.</p>

Survey of a Portion of the Subdivision of T. 38 S. 7 E. 2 E.

Chains

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground to solid rock, and in a collar of stone, with brass cap mhd.

T38S R2E  
 S30 | S29  
 S31 | S32  
 1956

Land, rolling desert.  
 Soil, sandy to gravelly clay loam.  
 Timber, dwarf juniper and pinon.  
 Undergrowth, sagebrush, shadscale, and grass.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over rolling land, through scattering timber and scant undergrowth.

40.00

Point for the 1/4 sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 20 ins. in the ground to solid rock, and in a collar of stone, with brass cap mhd.

T38S R2E  
 S 29  
 S 32  
 1956

Deposit broken glass at the base of the post.

80.00

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

Land, rolling desert.  
 Soil, sandy to gravelly clay loam.  
 Timber, dwarf juniper and pinon.  
 Undergrowth, sagebrush, shadscale, and mountain rush.

GENERAL DESCRIPTION

The land covered by this fractional survey lies between the Wahweap Wash and the Cocks Comb. It is generally a broken bench facing southwest and covered by a medium growth of dwarf juniper and pinon of no commercial value except for fence posts. The drainage is generally to the southwest into the Wahweap.

The soil is a sandy to rocky clay loam. The undergrowth is a scant to medium dense growth of sagebrush, shadscale, mountain rush and grass.

The area has been badly overgrazed and the cover is poor. There are no settlers in this portion of the township. Some prospecting has been done for fissionable material in the past, but there is no activity at the present.

Corners on the north boundary set in 1922 for Ts. 37 and 38 S., function only as corners for T. 37 S.



CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth D. Witt, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 25th day of June, 1957

I have surveyed the south boundary and portions of the east boundary and subdivisions of Township 38 South, Range 2 East

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 29, 1957

*Kenneth D. Witt*  
Kenneth D. Witt  
Cartographic Survey Aid

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

ORIGINAL  
**FIELD NOTES**

OF THE SURVEY  
OF  
A PORTION OF THE EAST BOUNDARY  
AND  
A PORTION OF THE SUBDIVISION  
OF  
TOWNSHIP 38 SOUTH, RANGE 2 EAST

*Of the* Salt Lake *Mendian,*  
*in the State of* Utah

EXECUTED BY

- Vern E. Lane - Cadastral Surveyor (Chief of Party)
- Fred R. Chappell - Cadastral Surveyor

*Under special instructions dated* June 25 *, 1956* *, which provided*  
*for the surveys included under Group No.* 409 *, approved* June 28, 1956  
*and assignment instructions dated* May 7 *, 19 58*

*Survey commenced* October 15 *, 19 56*  
*Resumed* July 1 *1958*  
*Survey completed* July 25 *, 19 58*

# INDEX DIAGRAM

*Township* 38 South, *Range* 2 East

6	5	4	8	3	11	2	10	1	5
						10			
7	8	9	7	10		11		12	4
		13							
18	17	13	16	7	15	14		18	3
		12							
19	20	21	6	22	23			24	2
20	20	20		27	26			28	2
21	22	23		24	25			26	

Township 38 South, Range 2 East

Chains

The south and west boundaries, the south 2½ miles of the center line and sec. 32, T. 38 S., R. 2 E. were surveyed in 1956 by Fred R. Chappell. The south mile of the east boundary and sec. 36, T. 38 S., R. 2 E. were surveyed in 1956 by Kenneth D. Witt.

The following field notes are those of the survey of the north 5 miles of the east boundary, the north 3½ miles of the center line, and secs. 2 and 16, T. 38 S., R. 2 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

The survey was executed with a W. and L. E. Gurley solar transit, serial No. 541327, 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 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. 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 37° 27' 24.2" N. and longitude 111° 37' 58.4" 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° 15' E.

Corners on the north boundary set in 1922 for Ts. 37 and 38 S. function only as corners for T. 37 S. The original ¼ sec. cor. of sec. 1 and 36; the ¼ sec. cor. of secs. 2 and 35; the cor. of secs. 2, 3, 34, and 35; the ¼ sec. cor. of secs. 3 and 34 and the witness ¼ sec. cor. of secs. 4 and 33 of Ts. 37 and 38 S., R. 2 E. have been remarked to function for T. 37 S. only.

Portion of the East Boundary, T. 38 S., R. 2 E.

Chains

Beginning at the cor. of secs. 25, 30, 31 and 36, T. 38 S., Rs. 2 and 3 E., mkd. by an iron post, 2½ ins. diam., set in a large mound of stone.

North, bet. secs. 25 and 30.

Over broken desert mountain land, through dense timber and medium undergrowth; desc. 180 ft. over N. slope.

4.00 Draw, drains W.; asc. 200 ft. over S. slope.

9.70 Spur, projects S. 40° W.; thence along W. slope.

19.60 S. rim of Little Escalante Canyon, bears S. 80° E. and N. 80° W.; desc. 580 ft. over badly broken N. slope,

40.00 Point for the ¼ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S  
R2E R3E  
¼  
S25|S30  
1958

Deposit a sandstone, 4x3x3 ins., mkd. with a cross (X) at base of post.  
Desc. 45 ft. over N. slope.

41.20 Draw, drains NE.; asc. 40 ft. along SE. slope.

47.10 Spur, projects NE.; desc. 105 ft. over N. slope.

55.10 Bottom of Little Escalante Canyon, drains NE., 2.00 chs., thence SE.; asc. 150 ft. over S. slope.

61.00 Top of rim of ledges, 70 ft. high, bears E. and W.; asc. 40 ft.

64.60 Spur, projects W.; thence along W. slope, over series of small spurs and draws.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

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.

T38S  
R2E R3E  
S24|S19  
S25|S30  
1958

Land, badly broken desert mountain.  
Soil, rocky clay,  
Timber, dense juniper and pinon, scattered Douglas fir.  
Undergrowth, scattered sagebrush, bitter brush, silverleaf and grass.

North, bet. secs. 19 and 24.

Over broken desert mountain land, through dense timber and medium undergrowth; asc. 235 ft. over S. slope.

12.50 Spur, projects SE.; desc. 315 ft. over series of small spurs and draws projecting E.

Portion of the East Boundary, T. 38 S., R. 2 E.

Chains

37.70 Draw, drains E.; asc. 50 ft. over S. slope.

40.00 Point for the 1/4 sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T38S  
R2E R3E  
1/4  
S24 | S19  
1958

40.25 Spur, projects E.; desc. 60 ft. over E. slope.

44.00 Small draw, drains E.

46.30 Small spur, projects E.

48.90 Wash, 20 lks. wide, 12 ft. deep, drains SE

51.10 Same wash drains SW. for 1.00 ch., thence SE.

56.80 Same wash, drains E. for 1.00 ch., thence S. 20° W. for 1.00 ch., thence SE.; asc. 140 ft. over S. slope.

73.60 Spur, projects SE.; desc. 90 ft. over N. slope.

75.50 Draw, drains SE.; asc. 80 ft. over S. slope.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S  
R2E R3E  
S13 | S18  
S24 | S19  
1958

Deposit charcoal at base of post.

Land, broken and rolling desert mountain.

Soil, sandy clay.

Timber, dense juniper and pinon.

Undergrowth, medium shadscale, sagebrush, bitter brush, yellow brush and grass.

North, bet. secs. 13 and 18.

Over broken desert mountain land, through dense timber and medium undergrowth; asc. 570 ft. over a badly broken S. slope.

28.90 Ledgy spur, projects SW.; thence along W. slope.

30.00 Slope changes to S.; asc. 100 ft.

40.00 Point for the 1/4 sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

## Portion of the East Boundary, T. 38 S., R. 2 E.

Chains

T38S  
R2E R3E  
¼  
S13|S18  
1958

Asc. 10 ft. over S. slope.

41.00 Spur, projects SW.; desc. 75 ft. over NW. slope.

45.80 Draw, drains SW.; asc. 250 ft. over SE. slope.

55.50 Spur, projects W.; desc. 275 ft. over N. slope.

62.90 Draw, drains W.; asc. 160 ft. over S. slope.

70.60 Spur, projects NE.; desc. 15 ft. over N. slope.

72.20 Point selected for the witness cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground,  
and in a collar of stone, with brass cap mkd.

T38S  
R2E R3E  
W C  
S12|S 7  
S13|S18  
1958

Deposit a sandstone, 4x4x3 ins., mkd. with a cross (X) at base of  
post.

Desc. 200 ft. over a broken N. slope

80.00 Point for the cor. of secs. 7, 12, 13 and 18 falls on a sandstone ledge, where the cor. cannot be perpetuated.

Land, broken desert mountain land.

Soil, rocky clay, with exposed sandstone.

Timber, dense juniper and pinon.

Undergrowth, medium bitter brush, sagebrush, silverleaf, shadscale, grass and weeds.

North, bet. secs. 7 and 12.

Over a badly broken N. slope, through dense timber and scant under-  
growth; desc. 550 ft. over a badly broken NE. slope.

25.00 Draw, drains NW.; asc. 100 ft. over SW. slope.

30.90 Spur, projects NW.; thence along W. slope.

32.40 Head of draw, drains NW.; continue along W. slope.

35.50 Spur, projects W.; desc. 20 ft. over N. slope.

40.00 Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground,  
with brass cap mkd.

T38S  
R2E R3E  
¼  
S12|S 7  
1958

Portion of the East Boundary, T. 38 S., R. 2 E.

Chains  
 Deposit a sandstone, 5x4x2 ins., mkd. with a cross (X) at base of post.  
 Desc. 90 ft. over N. slope.  
 43.10 Draw, drains W.; asc. 20 ft. over S. slope.  
 45.30 Spur, projects W.; desc. 320 ft. over a series of small clay spurs and draws.  
 79.10 Wash, 20 lks. wide, 2 ft. deep, drains NW.  
 80.00 Point for the cor. of secs. 1, 6, 7 and 12.  
 Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.  
 T38S  
 R2E R3E  
 S 1 | S 6  
 S12 | S 7  
 1958  
 Raise a mound of stone, 3½ ft. base, 2½ ft. high, W. of post.  
 Land, broken desert mountain.  
 Soil, rocky sandy clay.  
 Timber, dense juniper and pinon.  
 Undergrowth, medium bitter brush, sagebrush, shadscale, grass and weeds.

North, bet. secs. 1 and 6.  
 Over broken desert mountain land, through dense timber and scant undergrowth; desc. 25 ft. over NE. slope.  
 1.80 Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 75 ft. over SW. slope.  
 7.30 Spur, projects E.; desc. 35 ft. over N. slope.  
 9.30 Small wash, drains E.; asc. 25 ft. over S. slope.  
 22.00 Spur, projects E.; desc. 45 ft. over a series of small spurs and draws projecting to the SE.  
 37.00 Draw, drains SE.; asc. 15 ft. over S. slope.  
 40.00 Point for the ¼ sec. cor. of secs. 1 and 6.  
 Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.  
 T38S  
 R2E R3E  
 ¼  
 S 1 | S 6  
 1958  
 Asc. 5 ft. over S. slope.  
 41.00 Spur, projects SE.; desc. 75 ft. over N. slope.  
 47.70 Stock trail, bears NW. and SE.; desc. 165 ft. over broken N. slope.  
 53.20 Bottom of Collets Canyon, at Camp Springs, drains E.; asc. 140 ft. over broken S. slope.  
 58.89 Intersect. the S. bdy. of sec. 36, T. 37 S., R. 2 E.  
 At the point of intersection.

Portion of the East Boundary, T. 38 S., R. 2 E.

Chains

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, for the closing cor. of Ts. 38 S., Rs. 2 and 3 E., with brass cap mkd.

T37S R2E

S36

S 1 | S 6

C C

R2E R3E

T38S

1958

From this point, the cor. originally set for the ¼ sec. cor. of secs. 1 and 36, Ts. 37 and 38 S., R. 2 E., monumented by an iron post, 1 in. diam., conforming to the record, bears east, 5.28 chs. dist. I remark this cor. to function for T. 37 S. only.

Land, broken desert mountain.

Soil, rocky, sandy clay.

Timber, dense juniper and pinon.

Undergrowth, scant sagebrush, bitterbrush, silverleaf, grass and weed

Portion of the Subdivision, T. 38 S., R. 2 E.

Beginning at the ¼ sec. cor. of secs. 21 and 22, mkd. by an iron post, conforming to the record.

N. 0° 02' W., bet. secs. 21 and 22.

Over badly broken desert mountain land, through dense timber and medium undergrowth; asc. 90 ft. over SW. slope.

4.00 Sandstone ledge, faces S.; continue ascent of 80 ft.

13.20 Ridge, bears E. and W.; desc. 100 ft. over NE. slope.

29.70 Draw, drains S. 70° E.; asc. 35 ft.

36.40 Top of rise; desc. 10 ft.

39.15 Point selected for the witness cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T38S R2E

S16 | S15

S21 | S22

W C

1958

39.20 S. rim of Little Escalante Canyon, bears irregularly E. and W.; desc. 75 ft. over ledges facing N.

40.00 Point for the cor. of secs. 15, 16, 21 and 22 falls on a sandstone ledge where the cor. cannot be perpetuated.

Land, broken desert mountain.

Soil, rocky clay.

Timber, dense juniper and pinon.

Undergrowth, medium service berry, bitterbrush, silverleaf, grass and weeds.

Portion of the Subdivision, T. 38 S., R. 2 E

Chains

N. 0° 02' W., bet. secs. 15 and 16.

Over broken desert mountain land, through dense timber and scant undergrowth; desc. 275 ft. over a badly broken N. slope.

13.00 Bottom of fork of Little Escalante Canyon, drains SE.; asc. 515 ft. over a broken S. slope.

30.00 Spur, projects SE.; desc. 80 ft. over N. slope.

36.50 Ledge, 50 ft. high, faces NW.; desc. 160 ft. over N. slope.

40.00 Point for the 1/4 sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 1/2 ft. base to top, with brass cap mkd.

T38S R2E

1/4  
S16|S15  
1958

Desc. 400 ft. over NE. slope.

55.30 Fork of Little Escalante Canyon, drains E., 2.00 chs., thence S. 20° E.

59.80 Draw, drains SE. for 3.00 chs. into canyon; asc. 305 ft. over broken SW. changing to W. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R2E

S 9|S10  
S16|S15  
1958

Deposit charcoal at base of post.

Land, broken desert mountain.

Soil, rocky sandy clay.

Timber, dense juniper and pinon.

Undergrowth, medium service berry, bitter brush, silverleaf and scant grass.

N. 0° 02' W., bet. secs. 9 and 10.

Over badly broken desert mountain land, through dense timber and medium undergrowth; desc. 100 ft. along W. slope.

4.00 Draw, drains W.; asc. 130 ft. along W. slope.

11.60 Top of rise; desc. 190 ft. over NW. slope.

23.70 Draw, drains S. 20° W.; asc. 195 ft. over SE. slope.

38.00 Top of ascent; thence desc. 15 ft. along E. slope.

40.00 Point for the 1/4 sec. cor. of secs. 9 and 10 falls in a small wash, draining SE., where the cor. cannot be perpetuated.

## Portion of the Subdivision, T. 38 S., R. 2 E.

Chains

- 40.10 Point selected for the witness  $\frac{1}{2}$  sec. cor. of secs. 9 and 10.  
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,  $3\frac{1}{2}$  ft. base to top, with brass cap mkd.
- T38S R2E  
 $\frac{1}{2}$   
S 9 | S10  
W C  
1958
- Asc. 105 ft. over S. slope.
- 49.10 Top of ascent, ridge bears E. and W.; desc. 25 ft. along E. slope.
- 51.00 Head of fork of Collets Canyon, drains NE.; asc. 20 ft.
- 55.00 Spur, projects NE.; desc. 560 ft. over badly broken NW. slope.
- 74.10 Bottom of fork of Collets Canyon, drains N.  $80^{\circ}$  E.; asc. 95 ft.
- 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., 22 ins. in the ground, and in a collar of stone, with brass cap mkd.
- T38S R2E  
S 4 | S 3  
S 9 | S10  
1958
- Land, badly broken mountain.  
Soil, rocky clay, with exposed sandstone.  
Timber, dense juniper and pinon, scattered Douglas fir.  
Undergrowth, medium service berry, bitter brush, silverleaf, scrub oak and scant grass.
- 
- N.  $0^{\circ} 02'$  W., bet. secs. 3 and 4.  
Over broken mountain land, through dense timber and scant undergrowth asc. 30 ft. over S. slope.
- 3.80 Spur, projects N.  $80^{\circ}$  E.; desc. 340 ft. over N. slope.
- 15.40 Bottom of fork of Collets Canyon, drains E.; asc. 100 ft. over S. slope.
- 20.30 Spur, projects E.; desc. 100 ft. over N. slope.
- 26.70 Wash in bottom of fork of Collets Canyon, drains SE.
- 30.10 Same wash, drains SW. for 1.00 ch., thence SE.
- 33.60 Same wash, drains SE.; asc. 85 ft. along SW. slope.
- 36.80 Spur, projects W.; desc. 80 ft. over NW. slope.
- 38.00 Draw, drains W.; asc. 75 ft. over SW. slope.
- 40.00 Point for the  $\frac{1}{2}$  sec. cor. of secs. 3 and 4.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 8 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.

## Portion of the Subdivision, T. 38 S., R. 2 E.

Chains

T38S R2E

$$\begin{array}{r} \frac{1}{2} \\ S\ 4\ | \ S\ 3 \\ 1958 \end{array}$$

Asc. 280 ft. along broken W. changing to SW. slope.

59.07 Intersect the S. bdy. of sec. 33, T. 37 S., R. 2 E.

At the point of intersection.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd.

T37S R2E

$$\begin{array}{r} S33 \\ S\ 4\ | \ S\ 3 \\ C\ C \end{array}$$
T38S R2E  
1958

From this point, the true point for the cor. originally established for the cor. of secs. 4 and 33 bears E., 4.83 chs. dist. and is witnessed E., 3.30 chs. dist. by an iron post, 1 in. diam., conforming to the record. I remark this witness cor. to function for T. 37 S. only.

Land, broken desert mountain.

Soil, rocky clay, with exposed and broken sandstone.

Timber, dense juniper and pinon, scattered Douglas fir.

Undergrowth, medium service berry, silverleaf, bitter brush and grass.

Establishment of the cor. of secs. 1 and 2 on the S. bdy. of sec. 35, T. 37 S., R. 2 E., at proportionate dist. bet. the closing cor. of secs. 3 and 4 and the closing cor. of Ts. 38 S., Rs. 2 and 3 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T37S R2E

$$\begin{array}{r} S35 \\ S\ 2\ | \ S\ 1 \end{array}$$
T38S  
1958

From this point, the cor. originally established for the ¼ sec. cor. of secs. 2 and 35 bears E., 5.13 chs. dist. and is monumented by an iron post, 1 in. diam., conforming to the record. I remark this cor. to function for T. 37 S. only.

Establishment of the cor. of secs. 2 and 3 on the S. bdy. of sec. 34, T. 37 S., R. 2 E., at proportionate dist. bet. the closing cor. of secs. 3 and 4 and the closing cor. of Ts. 38 S., Rs. 2 and 3 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid rock, and in a collar of stone, with brass cap mkd.

T37S R2E

$$\begin{array}{r} S34 \\ S\ 3\ | \ S\ 2 \end{array}$$
T38S R2E  
1958

From this point, the cor. originally established for the ¼ sec. cor. of secs. 3 and 34 bears E., 4.98 chs. dist. and is monumented by an iron post, 1 in. diam., conforming to the record. I remark this cor. to function for T. 37 S. only.

The point for the N. ¼ cor. of sec. 2 is at midpoint on the N. bdy. of sec. 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid rock, and in a collar of stone, with brass cap mkd.

## Portion of the Subdivision, T. 38 S., R. 2 E.

Chains

actual

$\frac{1}{2}$  S 2  
 T38S R2E  
 1958

From this point, the cor. originally established for the cor. of secs. 3 and 34, Ts. 37 and 38 S., R. 2 E., mkd. by an iron post, 1 in. diam., conforming to the record, bears E., 5.05 chs. dist.

I remark this cor. to function for T. 37 S. only.

Beginning at the cor. of secs. 1 and 2 on the N. bdy. of the township mkd. by an iron post, previously set and described.

S. 0° 01' E., bet. secs. 1 and 2.

Over broken mountain land, through dense timber and medium undergrowth asc. 120 ft. over a series of small spurs and washes projecting W.

18.95 Point for the  $\frac{1}{2}$  sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T38S R2E

$\frac{1}{2}$   
 S 2 | S 1  
 1958

Deposit charcoal at base of post.

Asc. 540 ft. over W. changing to badly broken N. slope.

43.70 Spur ridge, projects E.; desc. 50 ft. along SE. slope.

54.00 Head of draw, drains E.; asc. 225 ft. over broken N. slope.

58.95 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T38S R2E

S 2 | S 1  
 S11 | S12  
 1958

Land, broken mountain.

Soil, sandy clay, with exposed broken sandstone.

Timber, dense juniper and pinon, scattered Douglas fir.

Undergrowth, medium service berry, bitter brush, silverleaf and grass

S. 89° 57' W., bet. secs. 2 and 11.

Over broken mountain land, through dense timber and medium undergrowth; asc. 190 ft. along broken N. slope.

8.90 Sandstone spur, projects N.; desc. 145 ft. along SW. slope.

13.50 Head of draw, drains S.; asc. 60 ft. over SE. slope.

18.40 Ridge, bears SW. and NE.; desc. 325 ft. over NW. slope.

24.20 Draw, drains N.; asc. 95 ft. over NE. slope.

Portion of the Subdivision, T. 38 S., R. 2 E.

## Chains

- 28.00 Ledge spur, projects N.; desc. 160 ft. along N. slope.
- 34.40 Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 2 and 11.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 8 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.
- T38S R2E  
 $\frac{1}{4}$   $\begin{array}{c} \leftarrow S 2 \\ S11 \\ W C \\ 1958 \end{array}$
- 34.50 Rim of ledges, bears S. and E.; desc. 150 ft. over badly broken W. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 11 falls on the steep W. slope of a ledge, where the cor. cannot be perpetuated.  
Desc. 325 ft. over a badly broken W. slope.
- 50.00 Bottom of draw, drains N.; asc. 80 ft. over E. slope.
- 65.20 Spur, projects N.; desc. 30 ft. along a NW. slope.
- 74.20 Draw, drains N.; thence asc. 110 ft. along N. slope.
- 80.00 Point for the cor. of secs. 2, 3, 10 and 11.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.
- T38S R2E  
 $\begin{array}{c} S 3 | S 2 \\ S10 | S11 \\ 1958 \end{array}$
- Land, broken mountain.  
Soil, sandy clay, with exposed and broken sandstone.  
Timber, dense juniper and pinon, scattered Douglas fir.  
Undergrowth, medium service berry, bitter brush, silverleaf and scant grass.
- 
- N.  $0^{\circ} 16'$  E., bet. secs. 2 and 3.  
Over broken mountain land, through dense timber and medium undergrowth; desc. 180 ft. over N. slope.
- 10.00 Bottom of canyon, drains E.; asc. 675 ft. over broken S. slope.
- 38.00 W. side of sandstone saddle in ridge, bears E. and W.; desc. 60 ft. over N. slope.
- 39.60 Point selected for the witness  $\frac{1}{4}$  sec. cor. of secs. 2 and 3.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  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.
- T38S R2E  
 $\frac{1}{4}$   $\begin{array}{c} S 3 | S 2 \\ W C \\ 1958 \end{array}$

Portion of the Subdivision, T. 38 S., R. 2 E.

Chains

40.00 True point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 3 falls on the steep N. slope of a sandstone ledge, where the cor. cannot be perpetuated.  
 Desc. 680 ft. over badly broken N. slope.

58.00 Bottom of canyon, drains E.; asc. 105 ft. over clay slope facing S.

58.95 The cor. of secs. 2, 3, 34 and 35, previously set and described.  
 Land, broken mountain.  
 Soil, sandy clay, with exposed sandstone.  
 Timber, dense juniper and pinon, scattered Douglas fir.  
 Undergrowth, medium service berry, bitter brush, silverleaf and scant grass.

From the true point for the cor. of secs. 15, 16, 21 and 22.  
 West, bet. secs. 16 and 21.

Over broken mountain land, through dense timber and medium undergrowth asc. 210 ft. over broken NE. changing to E. slope.

20.80 Ridge, bears S. and NE.; desc. 460 ft. over broken NW. slope.

36.20 Draw, drains SW.; asc. 75 ft. over E. slope.

38.40 Spur, projects S., 3.50 chs. to end; desc. 30 ft. over W. slope.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T38S R2E  
 $\frac{1}{4}$   $\frac{S16}{S21}$   
 1958

Desc. 25 ft. over W. slope.

41.40 Sandstone draw, drains S.; asc. 30 ft. over E. slope.

45.00 Spur, projects SW.; desc. 80 ft. over W. slope.

48.00 Draw, drains SW.; asc. 100 ft. over E. slope.

53.10 Spur, projects SW.; desc. 190 ft. over W. slope.

62.80 Draw, drains SW.; asc. 35 ft. over E. slope.

68.50 Low spur, projects S.; desc. 90 ft. over W. slope.

70.00 Draw, drains S.; asc. E. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

On the E. slope of a spur, projecting S.,  
 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T38S R2E  
 $\frac{S17}{S20} \frac{S16}{S21}$   
 1958

Portion of the Subdivision, T. 38 S., R. 2 E.

Chains	<p>Land, broken mountain. Soil, rocky sandy clay. Timber, dense juniper and pinon. Undergrowth, medium service berry, bitter brush, silverleaf and scant grass.</p>
<p>20.10 22.10 33.80 40.00</p>	<p>N. 0° 03' W., bet. secs. 16 and 17. Over broken mountain land, through dense timber and scant undergrowth. Asc. 100 ft. along SE. slope. Spur, projects SW.; desc. 80 ft. over NW. slope. Draw, drains SW.; asc. 65 ft. over SE. slope. Spur, projects SW.; desc. 20 ft. over NW. slope. Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, <math>3\frac{1}{2}</math> ft. base to top, with brass cap mkd.</p>
	<p style="text-align: center;">T38S R2E <math>\frac{1}{4}</math> S17   S16 1958</p>
<p>46.60 51.50 55.80 65.50 80.00</p>	<p>Asc. 25 ft. over S. slope. Spur, projects W.; desc. 55 ft. over N. slope. Draw, drains W.; asc. 30 ft. over S. slope. Spur, projects W.; desc. 150 ft. over N. slope. Draw, drains SW.; asc. 85 ft. over SW. changing to W. slope. Point for the cor. of secs. 8, 9, 16 and 17. Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.</p>
	<p style="text-align: center;">T38S R2E S 8   S 9 S17   S16 1958</p>
	<p>Land, mountainous. Soil, sandy clay. Timber, dense juniper and pinon. Undergrowth, medium service berry, bitter brush, silverleaf and scant grass.</p>
<p>5.00</p>	<p>Beginning at the cor. of secs. 9, 10, 15 and 16, previously set and described. S. 89° 56' W., bet. secs. 9 and 16. Over broken mountain land, through dense timber and medium undergrowth; desc. 275 ft. over broken W. slope. Bottom of draw, drains S.; asc. 250 ft. over E. slope.</p>

Portion of the Subdivision, T. 38 S., R. 2 E.

Chains

15.00 Spur, projects S.; desc. 240 ft. over broken W. slope.

28.00 Bottom of canyon, drains SE.; asc. 150 ft. along NE. slope.

38.50 Slope changes to N. slope.

40.03 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., 12 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.

T38S R2E  
 $\frac{1}{4}$   $\frac{S 9}{S 16}$   
1958

Desc. 155 ft. along N. changing to NW. slope.

49.10 Draw, drains N. 20° E.; asc. 535 ft. over SE. slope.

64.30 Ridge, bears N. and S.; desc. 140 ft. over W. slope.

80.06 The cor. of secs. 8, 9, 16 and 17, previously set and described.

Land, mountainous.  
Soil, sandy clay.  
Timber, dense juniper and pinon, scattered Douglas fir.  
Undergrowth, medium service berry, bitter brush, silverleaf and scant grass.

GENERAL DESCRIPTION

The land in the north and east half of T. 38 S., R. 2 E. is mountainous with exposed sandstone ridges and deep canyons. The general elevation of the township ranges from about 6000 to 7200 ft. above sea level. Little Escalante Canyon drains SE. through sec. 16 and leaves the township in sec. 25. Paradise Canyon drains SE. through the township from sec. 17 and leaves the township in sec. 35. Tributaries of Collets Wash head in secs. 4 and 9 and drain E, joining in sec. 3, then drain N. out of the township and join Collets Wash which drains through the E. and then through the NE. cor. of sec. 1. Along the west 2 miles of the township the drainage is to the SW.

The soil is sandy with exposed sandstone ridges and ledges. There are scattered cottonwood groves in the canyon bottoms and moderate to dense juniper and pinon and scattered Douglas fir throughout the township, with scattered undergrowth of sagebrush, bitterbrush, silverleaf, service berry and scant growth of grass.

There is evidence of prospecting for minerals throughout the township. One spring is located in the NE. cor. of sec. 1 and there are numerous seeps in the canyon bottoms. There are no improvements or access roads in the township and the land is used primarily for stock grazing.

Access to the survey lines was provided by helicopters.



CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of June, 1956 I have surveyed a portion of the E. bdy. and a portion of the subdivision of Township 38 South, Range 2 East

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.

January 26, 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, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of June, 1956, I have supervised the survey of a portion of the E. bdy. and a portion of the subdivision of T. 38 S., R. 2 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; 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.

January 26, 1959
Salt Lake City, Utah

[Signature of Vern E. Lane]
Vern E. Lane, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., JUL 17 1959, 19

The foregoing field notes of the survey of a portion of the E. bdy. and a portion of the subdivision of Township 38 South, Range 2 East, Salt Lake Meridian, Utah

executed by Fred R. Chappell under the supervision of Vern E. Lane having been critically examined and found correct, are hereby approved.

[Signature of Earl G. Harrington]
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 is a true copy of the original field notes.

[Signature]
Cadastral Engineering Staff Officer.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

# FIELD NOTES

of the

Survey of the South and East Boundaries

and a

Portion of the Subdivision

of

Township 39 South, Range 1 East

Of the Salt Lake Meridian,

the State of Utah

## EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Robert C. Yundt, Cadastral Surveyor (Chief of Party)

Under special instructions dated June 25, 1956, which provided

the surveys included under Group No. 409, approved June 28, 1956

and assignment instructions dated July 2, 1956

Survey commenced August 8, 1956

Survey completed September 14, 1956

# INDEX DIAGRAM

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18	17	25 24 16 23	16 15	14	13 9
19	20	21	15 22	23	24 8
20	29	28	14 27	26	25 7
21 26	27 28 25	28	13 24	25	12 23 6
6	5	4	3	2	1

T. 39 S., R. 1 E.

Chains

The west boundary of T. 39 S., R. 1 E., was surveyed by Robert C. Yundt in 1948. The north boundary surveyed concurrently under this group and is described in the field notes of the survey of T. 38 S., R. 1 E. The following field notes are those of the survey of the south and east boundaries and that part of the subdivision considered sufficient in extent to mark the boundaries of those sections normally considered as State school lands, and to facilitate the development of the natural resources. The corners along the latitudinal lines were established at the true latitudinal curve and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the township had been completely subdivided.

The survey was executed with a Buff and Buff solar transit No. 26066, being the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instrument has a full vertical circle and improved type solar attachment. The horizontal plate has two double verniers placed opposite to each other and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. Since the solar attachment was not used, no description of it will be included here. The instrument was in good adjustment, and prior to the beginning of the field work it was examined and all errors eliminated. It was maintained in good adjustment during the survey.

The geographic position of the southeast corner of the township, determined from data obtained from U. S. Geological Survey is as follows: Latitude 37° 22' 10" N. and Longitude 111° 44' 30" W. The mean magnetic declination was found to be 15° 15' East.

The directions of the lines of the survey were determined by reference to true meridians established on line by hour angle observations on polaris or observations on the sun. The lines were carried forward as transit lines and checked by succeeding observations.

The measurements were made with steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain, and thereafter at intervals of ten links. They were tested by comparison with a Lufkin 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 the horizontal equivalents, which appear in these notes. In most cases the distances were determined by chaining but in some instances they were obtained by triangulation and in others by traverses and offsets. The details of these were thoroughly verified and only the true line distances returned in the notes.

## South Boundary of T. 39 S., R. 1 E.

Beginning at the cor. of Ts. 39 and 40 S., Rs. 1 and 2 E., marked by an iron post, 2½ ins. diam. conforming to the record.

Thence

S. 89° 54' W., bet. secs. 1 and 36.

Over broken desert land, through dense timber and scant undergrowth, asc. 50 ft. over an E. slope.

10.00 Point of spur, projects S.; asc. 200 ft. over a broken E. slope.

18.90 W. rim of Tommy Canyon, bears N. and S.; asc. 160 ft. over an E. slope.

South Boundary of T. 39 S., R. 1 E.

Chains

34.80

Top of ascent.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 36.

In a shallow draw, draining S., set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

$\frac{1}{4}$   $\frac{S\ 36}{S\ 1}$   
1956

from which

A juniper, 8 ins. diam., bears S. 07° 15' E., 49 lks. dist., marked  $\frac{1}{4}$  S1 BT.

A juniper, 6 ins. diam., bears N. 01° W., 24 lks. dist., marked  $\frac{1}{4}$  S36 BT.

46.30

Top of mesa; desc. 70 ft. over a gentle W. slope.

80.00

Point for the cor. of secs. 1, 2, 35, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T39S R1E  
 $\frac{S35\ S36}{S2\ S1}$   
T40S  
1956

from which

A juniper, 6 ins. diam., bears S. 49° E., 69 lks. dist., marked T40S R1E S1 BT.

A pinon, 5 ins. diam., bears S. 13° 15' W., 53 lks. dist., marked T40S R1E S2 BT.

Land, broken desert.

Soil, sandy clay loam, with exposed sandstone.

Timber, dense juniper and pinon.

Undergrowth, scant bitter brush, black brush, mountain rush and grass.

S. 89° 54' W., bet. secs. 2 and 35.

Over broken desert land, through dense timber and scant undergrowth, over gently rolling mesa top.

22.80

Rim of sandstone ledges, 75 ft. high, bears NW. and SE.; desc. 125 ft. over a broken W. slope.

26.10

Head of gulch, drains N. 20° W.; asc. 90 ft. along a NE. slope.

31.70

Spur, projects N. 5 chs. to end; desc. 125 ft. over a W. slope.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap marked

U. S. GEOLOGICAL SURVEY

80.00	Point for the cor. of secs. 2, 3, 34, and 35. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked
81.50	Spur, projects S.; thence over gently rolling mesa top, sloping to the S. 89° 54' W., bet. secs. 3 and 34. Bottom of canyon, stream of good water, 2 ft. wide, 4 ins. deep, flows S. 1.00 ch., thence S. 80° W. about 10.00 chs., thence S. Asc. 345 ft. over a broken S. slope.
82.30	Spur, projects S.; thence over gently rolling mesa top, sloping to the S. 89° 54' W., bet. secs. 3 and 34.
83.00	Spur, projects S.; thence over gently rolling mesa top, sloping to the S. 89° 54' W., bet. secs. 3 and 34.
84.00	Point for the cor. of secs. 2, 3, 34, and 35. Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked
	<p style="text-align: center;">T398 R1E S34 S35 S3 S2 T408 1956</p>
	from which
	A pinon, 8 ins. diam., bears S. 68° W., 42 lks. dist., marked T408 R1E S3 BT.
	A juniper, 6 ins. diam., bears N. 23° 15' W., 73 lks. dist., marked T398 R1E S34 BT.
	Land, broken desert.
	Soil, sandy clay loam, with exposed sandstone.
	Timber, dense juniper and pinon.
	Undergrowth, scant bitter brush, black brush, mountain rush, tamarisk, and grass.
	S. 89° 54' W., bet. secs. 3 and 34.
	Over broken desert land, through dense timber and scant undergrowth, desc. 35 ft. over a gentle W. slope.
8.50	Shallow draw, drains S.; asc. 40 ft. over an E. slope.
13.70	Spur, projects S.; desc. 135 ft. over a W. slope.
28.80	Draw, drains S.; asc. 35 ft. over an E. slope.
30.60	Sandstone knob; desc. 40 ft. over a W. slope.
40.00	Point for the cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked
	<p style="text-align: center;">S 34 S 3 1956</p>
	RAISE A mound of stone, 2 1/2 ft. base, 2 ft. high, W. of post.
	A pinon, 6 ins. diam., bears S. 68° W., 42 lks. dist., marked T408 R1E S3 BT.
	A juniper, 6 ins. diam., bears N. 23° 15' W., 73 lks. dist., marked T398 R1E S34 BT.

South Boundary of T. 39 S., R. 1 E.

Chains	Desc. 220 ft. over a NW. slope.	enaid
50.70	Bottom of canyon, drains S.; asc. 210 ft. over an E. slope.	
58.90	W. rim of canyon, bears SW. from N.; thence over rolling land.	
69.60	E. rim of Wahweap Canyon, bears SE. and NW.; desc. 170 ft. over a broken SW. slope.	
80.00	Point for the cor. of secs. 3, 4, 33, and 34.	
	Cement a brass tablet, 3½ ins. diam., with a 3 inch stem, in a hole drilled in solid sandstone, with cap marked	
	T39S R1E S33 S34 S4 S3 T40S 1956	
	Raise a mound of stone, 4 ft. base, 3½ ft. high, W. of the post.	
	Land, broken desert. Soil, sandy clay loam, with sandstone ledges and boulders. Timber, dense juniper and pinon, with a few cottonwood in the canyon bottoms. Undergrowth, scattered bitter brush, black brush, silverleaf and grass.	
	S. 89° 54' W., bet. secs. 4 and 33.	
	Over broken desert land, through dense timber and scant undergrowth; desc. 130 ft. over a broken SW. changing to W. slope.	
4.80	Bottom of Wahweap Canyon, stream of water, 4 ins. deep, 3 ft. wide, flows S. 20° W. for about 8.00 chs. thence SE.; asc. 320 ft. over a broken E. slope.	
24.20	W. rim of Wahweap Canyon, bears N. 10° W. and S. 10° E., thence over rolling land sloping gently to the NW.	
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.	
	Over a cross (X) cut in solid sandstone, set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd.	
	¼ $\frac{S\ 33}{S\ 4}$ 1956	
	from which	
	A pinon, 12 ins. diam., bears S. 46° 45' W., 83 lks. dist., marked ¼ S4 BT.	
	A pinon, 14 ins. diam., bears N. 15° 15' W., 45 lks. dist., marked ¼ S33 BT.	
	Over gently rolling land sloping to the N.	
56.70	Shallow draw, drains N., thence over a series of small spurs and draws putting to the N.; asc. 40 ft.	
78.70	Spur, projects N.	

South Boundary of T. 39 S., R. 1 E.

Chains

80.00

Point for the cor. of secs. 4, 5, 32, and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 16 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T39S R1E  
S32 | S33  
S5 | S4  
T40S  
1956

Deposit a sandstone rock, 4x3x2 ins., marked with a cross (X) at the base of the post.

Land, broken and rolling desert.  
Soil, sandy clay loam, with sandstone ledges and boulders.  
Timber, dense juniper and pinon, with a few cottonwood in the canyon bottoms.  
Undergrowth, scattered bitter brush, silverleaf, mountain rush, and grass.

S. 89° 54' W., bet. secs. 5 and 32.

Over gently rolling desert land, sloping to the northwest, through dense timber and scant undergrowth.

3.30

Small wash, drains NE.

12.10

Wood road, bears S. 20° W. and N. in wash draining N.

40.00

Point for the 1/4 sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap marked

1/4  $\frac{S\ 32}{S\ 5}$   
1956

from which

A juniper, 20 ins. diam., bears S. 29° 45' E., 72 lks. dist., marked 1/4 S5 BT.

A pinon, 3 ins. diam., bears N. 64° 30' W., 72 lks. dist., marked BT.

Over gentle NE. slope.

67.10

Shallow draw, drains NE.; thence over gentle E. slope.

80.00

Point for the cor. of secs. 5, 6, 31, and 32.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap marked

T39S R1E  
S31 | S32  
S6 | S5  
T40S  
1956

from which

A pinon, 6 ins. diam., bears N. 38° 30' E., 231 lks. dist., marked T39S R1E S32 BT.

## South Boundary of T. 39 S., R. 1 E.

Chains

A juniper, 12 ins. diam., bears S. 63° 45' E., 61 lks. dist., marked T40S R1E S5 BT.

A pinon, 6 ins. diam., bears S. 74° W., 81 lks. dist., marked T40S R1E S6 BT.

Land, gently rolling desert.

Soil, sandy clay loam.

Timber, dense juniper and pinon.

Undergrowth, scant bitter brush, silver leaf, wild apple, mountain rush and grass.

S. 89° 54' W., bet. secs. 6 and 31.

Over rolling desert land, through dense timber and scant undergrowth asc. 25 ft. over a gentle E. slope.

8.70 Spur, projects S.; desc. 10 ft. over a gentle W. slope.

10.60 Shallow basin, drains S.; asc. 70 ft. over a E. slope.

30.00 Spur, projects S. 85° E.

33.61 The cor. of T. 39 S., Rs. 1 West and 1 East, marked by an iron post, 3 ins. diam., conforming to the record.

Land, rolling desert.

Soil, sandy clay loam.

Timber dense juniper and pinon.

Undergrowth, scant bitter brush, silver leaf, mountain rush and grass

## East Boundary of T. 39 S., R. 1 E.

Beginning at the cor. of Ts. 39 and 40 S., Rs. 1 and 2 E.

Thence

North, bet. secs. 31 and 36.

Over broken desert land, through medium timber and medium undergrowth; asc. 110 ft.

8.10 Sandstone spur, projects S. 70° E. about 6 chs. to end; desc. 75 ft. over ledges facing N.

16.80 Bottom of Tommy Canyon, drains S. 70° E.; asc. 100 ft. along a W. slope.

37.00 Base of ledges 200 ft. high, facing S.

37.50 Top of ledges.

40.00 Point for the ¼ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap marked

T39S

¼  
R1E | R2E  
S36 | S31

1956

from which

East Boundary of T. 39 S., R. 1 E.

Chains

221.50 A juniper, 10 ins. diam., bears N. 62° 45' E., 50 lks. dist., marked  $\frac{1}{2}$  S31 BT.

A pinon, 3 ins. diam., bears N. 51° W., 51 lks. dist., marked BT.

Asc. 70 ft.

50.60 Spur, projects NW, desc. 175 ft. over a NW. slope.

68.00 Bottom of Tommy Canyon, drains W., about 8 chs., thence S.; asc. 150 ft. over ledges.

68.50 Top of E. side of sandstone spur, projects N. 20° W., thence along E. side of spur.

80.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T39S  
 R1E | R2E  
 S25 | S30  
 S36 | S31  
 1956

Deposit a sandstone rock, 4x4x2 ins., marked with a cross (X) at the base of the post.

Land, broken desert.

Soil, sandy clay, with barren sandstone spurs, ledges and boulders. Timber, medium juniper and pinon, with a few cottonwood in the canyon bottom.

Undergrowth, sagebrush, rabbit brush and tamerisk in the canyon bottom, with scant bitter brush and grass on the spurs.

North, bet. secs. 25 and 30.

Over broken desert land, through medium dense timber and scattered undergrowth; desc. 100 ft. along a broken E. slope.

32.90 Bottom of brushy rincon; asc. 130 ft. over a broken SE. slope.

40.00 Point for the  $\frac{1}{2}$  sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap marked

T39S  
 R1E | R2E  
 S25 | S30  
 1956

from which

A juniper, 6 ins. diam., bears S. 35° 45' E., 144 lks. dist., marked  $\frac{1}{2}$  S30 BT.

A juniper, 6 ins. diam., bears S. 31° 45' W., 96 lks. dist., marked  $\frac{1}{2}$  S25 BT.

Asc. 160 ft. over a S. slope.

East Boundary of T. 39 S., R. 1 E.

Chains	Notes
44.00	Sandstone spur, projects S. 70° E. 9100 ft. to end; desc. 155 ft. over a broken NE. slope.
52.80	Bottom of Tommy Canyon, drains SE.
54.20	Recross wash in Tommy Canyon, drains W. from E.; asc. 280 ft. over a ledgy S. slope.
64.20	Spur, projects E.; desc. 265 ft. over a broken N. slope.
73.60	Bottom of Tommy Canyon, drains E.; asc. 95 ft. over a S. slope.
79.97	Top of sandstone rim, 90 ft. high, facing S.
80.00	Point for the cor. of secs. 19, 24, 25, and 30. Cement a brass tablet, 3½ ins. diam., with a 3 inch stem, in a hole drilled in solid sandstone and marked
<p>T39S R1E R2E S24 S19 S25 S30 1956</p>	
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the post.
	Land, broken desert. Soil, sandy clay, with barren sandstone ledges and boulders. Timber, medium juniper and pinon, with a few cottonwood in the canyon bottoms. Undergrowth, sagebrush, bitter brush, mountain rush and scant grass.
	North, bet. secs. 19 and 24.
	Over broken desert land, through medium timber and undergrowth; asc. 60 ft. over a S. slope.
6.00	Spur, projects W.; desc. 40 ft. over a N. slope.
12.60	Rim of ledges, 125 ft. high, desc. 160 ft. over a broken N. slope.
21.10	Bottom of Tommy Canyon, drains W. from NE.
26.40	Wash, drains E.; asc. 150 ft. over a broken SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24, falls on a steep sandstone slope where the cor. cannot be perpetuated.
40.40	Point for the witness ¼ sec. cor. of secs. 19 and 24. Cement a brass tablet, 3½ ins. diam., with a 3 in. stem, in a hole drilled in solid sandstone and marked
<p>T39S R1E R2E ¼ S24 S19 W C 1956</p>	
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of the tablet.

Chains	
45.00	Asc. 40. ft. over a S. slope.
46.40	Spur, projects E.; desc. 75 ft. over a N. slope.
57.70	Draw, drains E.
76.00	Leave timber, enter sagebrush opening.
80.00	Point for the cor. of secs. 13, 18, 19, and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap marked
	T39S R1E   R2E S13   S18 S24   S19 1956
	from which
	A scrub juniper, bears S. 7° 45' E., 328 lks. dist., marked BT.
	A scrub juniper, bears S. 1° 45' W., 417 lks. dist., marked BT.
	Raise a mound of stone, 2 ft. base, 2 ft. high, W. of the post.
	Land, broken and rolling desert. Soil, sandy clay loam, with sandstone ledges and boulders. Timber, medium juniper and pinon, with a few cottonwood in the canyon bottoms. Undergrowth, squaw berry, sagebrush, bitterbrush and scant grass.
	North, bet. secs. 13 and 18.
	Over rolling desert land, through scattered timber and medium dense undergrowth.
28.80	Wash, drains S. 85° E.
32.00	Gravel knoll; desc. N. slope.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap marked
	T39S R1E   R2E ¼ S13   S18 1956
	from which
	A juniper, 8 ins. diam., bears N. 8° 15' E., 172 lks. dist., marked ¼ S18 BT.
40.90	Bend of wash, drains SE. from NE.
43.70	Road, bears E. and W.; thence along E. end of spur projecting from the W.
80.00	Point for the cor. of secs. 7, 12, 13 and 18

Chains	miedO
	<p>At the base of a gravel spur, set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, with brass cap marked</p> <p style="text-align: center;">T39S R1E R2E S12 S7 S13 S18 1956</p> <p>from which</p> <p>A pinon, 14 ins. diam., bears N. 22° 45' E., 56 lks. dist., marked T39S R2E S7 BT.</p> <p>A pinon, 10 ins. diam., bears N. 39° 30' W., 103 lks. dist., marked T39S R1E S12 BT.</p> <p>Land, rolling desert. Soil, sandy clay, with some gravel. Timber, scattered juniper and pinon. Undergrowth, silverleaf, black brush, bitter brush, sagebrush and scant grass.</p>
	<p>North, bet. secs. 7 and 12.</p> <p>Over rolling desert land, through medium timber and undergrowth; asc. 30 ft.</p>
6.10	Gravel spur; projects E.; desc. 30 ft.
11.00	Wash, drains S. 80° E.; thence over rolling land.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12.
	<p>Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, and in a mound of stone, with brass cap marked</p> <p style="text-align: center;">T39S R1E R2E ¼ S12 S7 1956</p> <p>from which</p> <p>A juniper, 8 ins. diam., bears N. 34° 30' E., 74 lks. dist., marked BT.</p> <p>A pinon, 10 ins. diam., bears S. 53° 15' W., 59 lks. dist., marked ¼ S12 BT.</p> <p>Asc. 70 ft. over a S. slope.</p>
52.30	Spur, projects W.; desc. into sagebrush opening.
62.60	Sagebrush opening; asc. 131 ft. over a SE. slope.
77.10	Spur, projects NE.; desc. 45 ft.
80.00	Point for the cor. of secs. 1, 6, 7, and 12.
	<p>On the NW. slope of a spur, set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap marked</p>

Chains

T39S  
R1E R2E  
S1|S6  
S12|S7  
1956

from which

A juniper, 6 ins. diam., bears S. 13° E., 19 lks. dist., marked T39S R2E S7 BT.

A juniper, 10 ins. diam., bears N. 86° 15' W., 31 lks. dist., marked T39S R1E S1 BT.

Land, rolling desert.  
Soil, sandy clay and gravel.  
Timber, medium juniper and pinon.  
Undergrowth, scattered sagebrush, mountain rush and grass.

North, bet. secs. 1 and 6.

Over rolling desert land, through medium dense timber and undergrowth; desc. 45 ft. over a gentle N. slope.

8.00 Enter sagebrush opening.

15.00 Leave sagebrush opening; enter timber, thence over gently rolling land, sloping to the W.

38.20 Wash, drains W.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap marked.

T39S  
R1E R2E  
 $\frac{1}{4}$   
S1|S6  
1956

from which

A pinon, 10 ins. diam., bears N. 33° 45' E., 128 lks. dist., marked  $\frac{1}{4}$  S6 BT.

A juniper, 6 ins. diam., bears N. 35° 30' W., 123 lks. dist., marked  $\frac{1}{4}$  S1 BT.

Asc. 35 ft. over a gentle S. slope.

62.60 W. side of knob; desc. a gentle N. slope.

70.60 Wash, drains SW.

80.00 Point for the cor. of Ts. 38 and 39 S., Rs. 1 and 2 E.

Set an iron post, 30 ins. long, 2½ diam., 22 ins. in the ground, with brass cap marked.

T38S  
R1E R2E  
S36|S31  
S1|S6  
T39S  
1956

Chains

acres(?)

from which

A pinon, 8 ins. diam., bears S. 89° 30' E., 35 lks. dist., marked T39S R2E S6 BT.

A pinon, 12 ins. diam., bears S. 11° 15' W., 56 lks. dist., marked T39S R1E S1 BT.

A pinon, 8 ins. diam., bears N. 81° 30' W., 97 lks. dist., marked T38S R1E S36 BT.

Land, rolling desert.  
Soil, sandy clay, with some gravel.  
Timber, medium juniper and pinon.  
Undergrowth, medium sagebrush, scattered mountain rush, silverleaf and grass.

Subdivision of T. 39 S., R. 1 E.

Beginning at the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township.

Thence

N. 0° 01' W., bet. secs. 35 and 36.

Over rolling and broken desert land, through dense timber and scattered undergrowth; asc. a gentle W. slope.

20.50 Small spur, projects W.; desc. 45 ft. along a gentle NW. slope.

40.00 Point for the 1/4 sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 2 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T39S R1E  
1/4  
S35|S36  
1956

from which

A pinon, 6 ins. diam., bears S. 53° 45' E., 429 lks. dist., marked 1/4 S36 BT.

A juniper, 8 ins. diam., bears S. 70° 30' W., 61 lks. dist., marked 1/4 S35 BT.

Desc. along a gentle NW. slope.

47.30 Draw, drains W.

56.80 Head of gulch, drains W.; desc. 155 ft. along a W. slope.

70.00 Large draw, with deep wash in bottom, drains SW. from N. 160° E. asc. 75 ft. over a broken SE. slope.

80.00 Point for the cor. of secs. 25, 26, 35, and 36

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T39S R1E  
S26|S25  
S35|S36  
1956

## Subdivision, T. 39 S., R. 1 E.

Chains

from which

A cross (X) cut in a sandstone ledge, 4 ft. high, bears W., 9 lks. dist. and marked X.

B O

Land, rolling and broken desert, sloping gently to the SW.  
Soil, sandy clay, with some exposed sandstone.  
Timber, medium dense juniper and pinon.  
Undergrowth, medium sagebrush, greasewood, silver leaf and scant grass.

From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township.

Thence

S. 89° 48' W., bet. secs. 25 and 36.

Over broken and rolling desert land, through dense timber and scattered undergrowth; asc. 255 ft. over a broken E. slope.

5.40 Spur, rim, projects S.; desc. 75 ft. over a broken W. slope.

12.60 Bottom of box canyon, drains S., heads about 5 chs. N.; asc. 75 ft. over a broken E. slope.

27.60 W. rim of box canyon, bears N. and S.; asc. 40 ft. over a gentle E. slope.

37.10 Top of ascent, spur ridge, projects S.; desc. over a gentle W. slope.

40.00 Point for the E. sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, with brass cap marked

T39S R1E

S25
—
S36

1956

Deposit a sandstone rock, 4x3x2 ins., marked with a cross (X) at the base of the post.

Desc. 45 ft. along a small spur, projecting W.

48.30 Point of spur; desc. 60 ft. over a W. slope.

68.10 Rim of sandstone, above draw, bears NE. and SW.; desc. 70 ft.

76.00 Large draw, drains S. 16° W.; asc. 40 ft.

80.00 The cor. of secs. 25, 26, 35, and 36.

Land, broken and rolling desert.  
Soil, sandy clay, with sandstone ledges and boulders.  
Timber, medium dense juniper and pinon.  
Undergrowth, scattered sagebrush, black brush, greasewood and scant grass.

From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the township.

Thence

Chains		meters
	<p>N. 0° 02' W., bet. secs. 33 and 34.                      Over broken and rolling desert lands, through medium dense timber and scattered undergrowth; desc. 30 ft. over a W. slope.</p>	
2.00	<p>Small draw, drains W.; asc. 200 ft. over white sandstone ledges, facing to the S.</p>	
9.10	<p>Top of ledges, thence along a W. slope.</p>	
21.40	<p>Wash, drains W.; continue along a W. slope.</p>	
40.00	<p>Point for the ¼ sec. cor. of secs. 33 and 34.                      Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap marked</p>	
	<p>T39S R1E                      S33 S34                      1956</p>	
	<p>from which</p> <ul style="list-style-type: none"> <li>A pinon, 8 ins. diam., bears N. 16° 45' E., 113 lks. dist., marked ¼ S34 BT.</li> <li>A pinon, 12 ins. diam., bears N. 2° 15' W., 115 lks. dist., marked ¼ S33 BT.</li> </ul>	
	<p>Along a gentle W. slope, over a series of small swales and rises.</p>	
71.40	<p>Small draw, drains W.; continue along gentle W. slope.</p>	
80.00	<p>Point for the cor. of secs. 27, 28, 33, and 34.                      Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.</p>	
	<p>T39S R1E                      S28 S27                      S33 S34                      1956</p>	
	<p>from which</p> <ul style="list-style-type: none"> <li>A pinon, 6 ins. diam., bears N. 26° 45' E., 51 lks. dist., marked T39S R1E S27 BT.</li> <li>A pinon, 10 ins. diam., bears S. 44° E., 68 lks. dist., marked T39S R1E S34 BT.</li> <li>A pinon, 8 ins. diam., bears S. 81° 30' W., 45 lks. dist., marked T39S R1E S33 BT.</li> </ul>	
	<p>Land, rolling desert.                      Soil, sandy clay loam.                      Timber, medium dense juniper and pinon.                      Undergrowth, scattered bitter brush, silverleaf, mountain rush and scant grass.</p>	
	<p>N. 0° 02' W., bet. secs. 27 and 28.</p>	

Subdivision, T39 S., R. 1 E.

Chains

Over gently rolling desert land, through medium dense timber and scattered undergrowth; asc. 15 ft. along a W. slope.

11.70 Spur, projects W.; continue along a W. slope.

14.00 Small wash, drains W.; asc. 70 ft. over a W. slope.

37.10 Spur, projects W.; desc. 15 ft.

39.80 Point for the witness  $\frac{1}{4}$  sec. cor. of secs. 27 and 28.

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 marked

T39S R1E  
 $\frac{1}{4}$   
S28|S27  
W C  
1956

from which

A scrub pinon, bears N. 76° E., 61 lks. dist., marked BT.

A scrub pinon, bears N. 20° 15' W., 47 lks. dist., marked BT.

40.00 True point for the  $\frac{1}{4}$  sec. cor. of secs. 27 and 28 falls in a wash, 6 ft. deep, draining W., where the cor. cannot be perpetuated.

Asc. 60 ft. along a W. slope.

52.15 Spur, projects W.; desc. 30 ft.

62.75 Draw, drains SW.; asc. 60 ft.

72.60 Spur, projects SW.; desc. 45 ft.

80.00 Point for the cor. of secs. 21, 22, 27, and 28.

Cement a brass tablet, 3 $\frac{1}{2}$  ins. diam., with a 3 inch stem, in a hole drilled in solid sandstone and marked

T39S R1E  
S21|S22  
S28|S27  
1956

from which

A pinon, 7 ins. diam., bears N. 47° 45' E., 84 lks. dist., marked T39S R1E S22 BT.

A pinon, 10 ins. diam., bears S. 41° 15' E., 47 lks. dist., marked T39S R1E S27 BT.

A pinon, 8 ins. diam., bears S, 78° 30' W., 64 lks. dist., marked T39S R1E S28 BT.

Land, rolling desert.

Soil, sandy clay loam, with some exposed sandstone.

Timber, medium dense juniper and pinon.

Undergrowth, scattered wild apple, bitter brush, silverleaf and grass.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling desert land, through dense timber and scattered undergrowth; desc. 20 ft.

Chains

- 6.00 Draw, drains W.; asc. 55 ft. along a SE. slope.
- 14.20 Spur, projects SW.; desc. 85 ft. over a NW. slope.
- 24.30 Draw, drains W.; asc. 95 ft. over a S. slope.
- 38.40 Spur, projects W.; desc. over a N. slope.
- 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 21 and 22.  
Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E  
 $\frac{1}{4}$   
S21|S22  
1956

from which

A pinon, 10 ins. diam., bears S. 53° 30' E., 99 lks. dist., marked  $\frac{1}{4}$  S22 BT.

A pinon, 8 ins. diam., bears S. 42° W., 71 lks. dist., marked  $\frac{1}{4}$  S21 BT.

Desc. 25 ft. along a W. slope.

- 53.80 Wash, drains W.; asc. 90 ft.
- 71.00 Spur, projects SW.; desc. 45 ft. over a N. slope.
- 80.00 Point for the cor. of secs. 15, 16, 21, and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked

T39S R1E  
S16|S15  
S21|S22  
1956

from which

A pinon, 6 ins. diam., bears N. 73° 15' E., 103 lks. dist., marked T39S R1E S15 BT.

A pinon, 8 ins. diam., bears S. 43° 45' E., 79 lks. dist., marked T39S R1E S22 BT.

A pinon, 6 ins. diam., bears N. 55° 45' W., 36 lks. dist., marked T39S R1E S16 BT.

Land, rolling desert.  
Soil, sandy clay loam.  
Timber, dense juniper and pinon.  
Undergrowth, scattered bitter brush, black brush, sagebrush and grass.

N. 0° 02' W., bet. secs. 15 and 16.

Over gently rolling desert land, through scattered timber and medium undergrowth; desc. 56 ft. over a NW. slope.

Subdivision, T. 39 S., R. 1 E.

Chains	
19.40	Wash, drains W.; asc. 25 ft.
29.30	Spur, projects W.; desc. 55 ft. over a N. slope.
40.00	Point for the 1/4 sec. cor. of secs. 15 and 16.  On a sandy bank, 2-chs. E. of the Wahweap wash, set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked
	T39S R1E 1/4 S16 S15 1956
41.00	Raise a mound of stone, 3 ft. base, 2 1/2 ft. high, W. of the post.
48.00	Wash, drains NW. 2.50 chs. into Wahweap Wash; asc. 25 ft.
79.89	Spur, projects W., 4.00 chs. to end; desc. into brush flat.
80.00	Wire fence, bears N. 85° W. and S. 85° E.
80.00	Point for the cor. of secs. 9, 10, 15, and 16.
	Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked  T39S R1E S9 S10 S16 S15 1956
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of the post.  Land, gently rolling desert. Soil, sandy clay loam. Timber, scattered juniper and pinon. Undergrowth, bitter brush, black brush, medium sagebrush and scant grass.
	N. 0° 02' W., bet. secs. 9 and 10.  Over gently rolling desert land, through scattered timber and medium undergrowth; asc. 45 ft.
22.40	Spur, projects SW.; thence over nearly level land.
40.00	Point for the 1/4 sec. cor. of secs. 9 and 10.  On a small spur, projecting SW., set an iron post, 30 ins. long, 2 1/2 ins diam., 22 ins. in the ground, with brass cap marked
	T39S R1E 1/4 S9 S10 1956
46.40	from which  A juniper, 6 ins. diam., bears N. 86° 45' E., 100 lks. northdist., marked 1/4 S10-BT.
54.24	Dirt road, Cannonville to Tommy Canyon, bears E. and W.
80.00	Wahweap Wash, drains S. 20° W., thence over a sagebrush opening.
80.00	Point for the cor. of secs. 3, 4, 9, and 10.

Chains	Description	Station
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap marked	00.00
	T39S R1E S4 S3 S9 S10 1956	00.00
	Deposit broken glass at the base of the post.	
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the post.	
	Land, gently rolling desert. Soil, sandy clay loam. Timber, scattered juniper and pinon. Undergrowth, scattered greasewood, black brush, bitter brush, and medium sagebrush.	
	N. 0° 03' E., bet. secs. 3 and 4.	
	Over rolling desert land, through scattered timber and scant undergrowth, over a brush opening:	
16.00	Leave brush opening, enter scattered timber.	
21.80	Wash, drains E. for 2.00 chs. into Wahweap Wash.	
22.50	Wash, drains S. 70° E., 2.00 chs. into Wahweap Wash.	
28.50	Wash, drains N. 70° E., 1.50 chs. into Wahweap Wash.	
35.90	Wash; drains E. into Wahweap Wash.	
40.00	Point for the ¼ sec. cor. of secs. 3 and 4.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked	
	T39S R1E S4 S3 1956	
	from which	
	A pinon, 8 ins. diam., bears S. 62° 45' E., 50 lks. dist., marked ¼ S3 BT.	
	A juniper, 16 ins. diam.; bears W., 122 lks. dist., marked ¼ S4 BT.	
44.50	Wahweap Wash, drains S. 7° E.	
48.00	Wahweap Wash, drains SW.	
56.00	Spur, projects E.	
72.90	Wash, drains E., 2.00 chs. into Wahweap Wash.	
80.58	The cor. of secs. 3, 4, 33, and 34, marked by an iron post, 2½ ins. diam., as described in the field notes for T. 38 S., R. 1 E.	

Subdivision, T. 39 S., R. 1 E.

Chains

Land, gently rolling desert.  
Soil, sandy clay loam.  
Timber, scattered juniper and pinon.  
Undergrowth, black brush, greasewood, sagebrush, silverleaf, and scant grass.

Beginning at the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the township.

Thence

S. 89° 49' W., bet. secs. 1 and 12.

Over gently rolling desert land, through scattered timber and medium dense undergrowth; desc. 75 ft. along a NW. slope.

14.70 Draw, drains S.; asc. 50 ft. along the S. slope of a spur projecting S.

40.00 Point for the 1/4 sec. cor. of secs. 1 and 12.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E  
1/4 S 1  
S12  
1956

from which

A juniper, 6 ins. diam., bears N. 58° 15' E., 80 lks. dist., marked 1/4 S1 BT.

A juniper, 6 ins. diam., bears S., 60 lks. dist., marked 1/4 S12 BT.

Desc. along the W. slope of spur.

63.20 Enter sagebrush opening, sloping gently to the W.

64.00 Wash, drains S.

71.50 Deep narrow wash, drains S., enter widely scattered timber.

80.00 Point for the cor. of secs. 1, 2, 11, and 12.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E  
S2 | S1  
S11 | S12  
1956

from which

A juniper, 6 ins. diam., bears N. 61° 45' E., 185 lks. dist., marked T39S R1E S1 BT.

A juniper, 6 ins. diam., bears N. 73° W., 260 lks. dist., marked T39S R1E S2 BT.

Chains

Station

Land, gently rolling desert.  
Soil, sandy clay loam.  
Timber, widely scattered juniper and pinon.  
Undergrowth, medium dense sagebrush, bitter brush and grass.

S. 89° 49' W., bet. secs. 2 and 11.

Over gently rolling desert land sloping to the S.

1.30 Wash, drains SE.

12.70 Enter timber.

30.50 Leave timber, enter sagebrush opening, with a few scattered juniper

40.00 Point for the 1/4 sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E

S 2  
S11  
1956

from which

A juniper, 14 ins. diam., bears N. 6° 15' W., 113 lks. dist., marked 1/4 S2 BT.

48.00 Leave sagebrush opening, enter timber.

55.50 Small spur, projects SW.

62.50 Leave timber, enter sagebrush opening.

65.20 Wash, drains S.

75.50 Leave sagebrush opening, enter timber.

80.00 Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E

S3|S2  
S10|S11  
1956

from which

A juniper, 6 ins. diam., bears S. 72° 45' E., 36 lks. dist., marked T39S R1E S11 BT.

A pinon, 10 ins. diam., bears N. 82° W., 48 lks. dist., marked T39S R1E S3 BT.

Land, gently rolling desert.  
Soil, sandy clay loam.  
Timber, scattered patches of juniper and pinon.  
Undergrowth, medium dense sagebrush, scattered mountain rush and grass.

Subdivision, T. 39 S., R. 1 E.

## Chains

S. 89° 49' W., bet. secs. 3 and 10.

Over gently rolling desert land, through medium dense timber and medium undergrowth.

7.50 Small spur, projects S.; desc. 70 ft. over a gentle W. slope.

35.00 Enter deep wash, drains W. from NE.

39.10 Leave wash, drains S. 50° W.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 3 and 10.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E

S 3

$\frac{1}{4}$  S10

1956

from which

A juniper, 6 ins. diam., bears N. 32° E., 33 lks. dist., marked  $\frac{1}{4}$  S3 BT.

A juniper, 10 ins. diam., bears S. 13° W., 28 lks. dist., marked  $\frac{1}{4}$  S10 BT.

41.40 Wash, drains S. from NE.; asc. 95 ft. over an E. slope.

49.10 Spur, projects S.; desc. 85 ft. over a W. slope.

69.70 Wahweap Wash, drains S.

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

Land, gently rolling desert.

Soil, sandy clay loam.

Timber, medium juniper and piñon.

Undergrowth, medium dense sagebrush, scattered mountain rush, greasewood and scant grass.

From the cor. of secs. 1, 2, 11, and 12.

Thence

N. 0° 01' W., bet. secs. 1 and 2.

Over gently rolling desert land, through medium dense undergrowth; asc. 30 ft. over a gentle sagebrush covered S. slope.

8.00 Enter timber; asc. 10 ft.

11.20 Low spur, projects E. about 6.00 chs. to end; desc. 35 ft. over a N. changing to an E. slope.

34.90 Wash, drains SE.

40.00 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., 22 ins. in the ground, and in a collar of stone, with brass cap marked

Chains	
	<p style="text-align: center;">T39S R1E  <math>\frac{1}{4}</math>                      S2 S1                      1956</p> <p>From which</p> <p>A juniper, 10 ins. diam., bears S. 70° 45' W., 270 lks. dist., marked <math>\frac{1}{4}</math> S2 BT.</p> <p>Asc. 60 ft. over a sagebrush covered S. slope.</p>
80.22	<p>The cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the township, marked by an iron post, 2½ ins. diam., as described in the field notes of T. 38 S., R. 1 E.</p> <p>Land, gently rolling desert.                      Soil, sandy clay loam.                      Timber, scattered juniper and pinon.                      Undergrowth, scattered mountain rush, medium dense sagebrush and grass.</p>
	<p>From the cor. of secs. 2, 3, 10, and 11.</p> <p>Thence</p> <p>N. 0° 01' W., bet. secs. 2 and 3.</p> <p>Over nearly level land, through scattered timber and medium dense undergrowth; asc. 25 ft. over a S. slope.</p>
11.50	Small rise; desc. 15 ft. over a gentle NW. slope.
38.00	Draw, drains SW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked
	<p style="text-align: center;">T39S R1E  <math>\frac{1}{4}</math>                      S3 S2                      1956</p> <p>from which</p> <p>A pinon, 8 ins. diam., bears S. 83° 30' E., 113 lks. dist., marked <math>\frac{1}{4}</math> S2-BT.</p> <p>A pinon, 10 ins. diam., bears S. 55° 30' W., 147 lks. dist., marked <math>\frac{1}{4}</math> S3 BT.</p>
50.00	Draw, drains W.; thence over a series of small spurs and washes putting to the SW.
63.40	Deep wash, drains SW.
66.60	Recross wash; drains SE.
72.00	Recross wash; drains SW, from N. 20° E.
80.50	The cor. of secs. 2, 3, 34, and 35 on the N. bdy. of the township, marked by an iron post, 2½ ins. diam., as described in the field notes of T. 38 S., R. 1 E.

Subdivision, T. 39 S., R. 1 E.

373

Chains

Land, gently rolling desert sloping to the S.  
Soil, sandy clay loam.  
Timber, scattered juniper and pinon the first half mile, medium dense juniper and pinon the balance.  
Undergrowth, medium dense sagebrush, scattered mountain rush, silverleaf and grass.

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

Thence: S. 89° 54' W., bet. secs. 16 and 21.

Over rolling desert land, through medium dense timber and medium undergrowth; asc. 22 ft. along a NW. slope.

4.90 Spur, projects N.; desc. 130 ft. over a W. slope.

29.10 Sagebrush covered draw, drains N.; asc. 20 ft.

33.50 Spur, projects N. 20° W.; desc. 55 ft. over a SW. slope.

39.40 Point for the witness 1/4 sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E

1/4 S 16  
S 21 WC  
1956

from which

A pinon, 12 ins. diam., bears N. 88° 45' E., 315 lks. dist., marked X BT.

A juniper, 10 ins. diam., bears S. 58° E., 216 lks. dist., marked X BT.

40.00 True point for the 1/4 sec. cor. of secs. 16 and 21 falls in the E. channel of the Wahweap Wash, draining S., where the cor. cannot be perpetuated.

42.00 Sand island in Wahweap Wash; asc. 40 ft.

44.00 W. channel of Wahweap Wash, drains S.

53.60 Spur, projects S.; desc. over a gentle W. slope.

64.00 Draw, drains S. 20° W.

71.80 Wash, drains S.

75.90 Recross wash, drains N. 20° E.

77.90 Recross wash, drains SE.

80.00 Point for the cor. of secs. 16, 17, 20, and 21.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E

S17 | S16  
S20 | S21  
1956

Chains

and

from which

A juniper, 8 ins. diam., bears N. 57° E., 98 lks. dist., marked T39S R1E S16 BT.

A juniper, 10 ins. diam., bears N. 25° 30' W., 142 lks. dist., marked T39S R1E S17 BT.

Land, rolling desert.  
 Soil, sandy clay loam.  
 Timber, medium dense juniper and pinon.  
 Undergrowth, medium dense sagebrush, scattered greasewood, black brush, silverleaf and grass.

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling desert land, through medium dense timber and medium undergrowth.

2.50 Wash, drains SE.; asc. 50 ft.

19.40 Spur, projects S: 70° E.; thence over a series of small spurs and draws putting to the S. and SE.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

On the E. side of a gravel spur, projecting S., set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap marked

T39S R1E

¼

S17|S16

1956

from which

A pinon, 6 ins. diam., bears S. 43° E., 57 lks. dist., marked ¼ S16 BT.

Desc. along an E. slope.

58.70 Draw, drains SE.; asc. 35 ft.

61.10 Spur, projects E.; desc. 50 ft. over a N. slope, over a series of small spurs and washes putting to the E.

80.00 Point for the cor. of secs. 8, 9, 16, and 17.

On the point of a clay spur, projecting from the W., set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground and in a mound of stone, with brass cap marked

T39S R1E

S8|S9

S17|S16

1956

from which

A pinon, 10 ins. diam., bears N. 64° 15' E., 97 lks. dist., marked T39S R1E S9 BT.

A pinon, 10 ins. diam., bears S. 3° 15' E., 62 lks. dist., marked T39S R1E S16 BT.

375

Subdivision, T. 39 S., R. 1 E.

Chains

A pinon, 8 ins. diam., bears N. 21° 30' W., 48 lks. dist., marked T39S R1E S8 BT.

Land, rolling desert.  
Soil, sandy clay loam.  
Timber, medium dense juniper and pinon.  
Undergrowth, medium dense sagebrush, bitter brush, silverleaf, and grass.

From the cor. of secs. 9, 10, 15, and 16.

Thence

S. 89° 54' W., bet. secs. 9 and 16.

Over rolling desert land, through medium dense timber and medium undergrowth.

- 6.00 Wahweap Wash, drains S.  
9.95 Barb wire fence, bears S. 70° E. and N. 70° W.; asc. 140 ft. over an E. slope.  
21.90 Spur, projects S.  
30.00 Shallow draw, drains S.; asc. 60 ft. over an E. slope.  
35.90 Gravel spur, projects S.; desc. 65 ft. over a SW. 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., 22 ins. in the ground, with brass cap marked

T39S R1E  
 $\frac{1}{4}$   $\frac{S\ 9}{S16}$   
1956

Raise a mound of stone, 3 ft. base, 2 $\frac{1}{2}$  ft. high, N. of the post.

Desc. 35 ft. over a W. slope.

- 42.20 Draw, drains SE.; asc. 105 ft. over an E. slope.  
58.00 Gravel spur, projects S.; desc. 200 ft. over a W. slope.  
77.00 Draw, drains S.  
79.98 The cor. of secs. 8, 9, 16, and 17:

Land, rolling desert.  
Soil, sandy clay loam, with a small amount of exposed sandstone.  
Timber, medium dense juniper and pinon.  
Undergrowth, medium sagebrush, scattered bitter brush, black brush, and grass.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the township.

Thence

N. 0° 03' W., bet. secs. 32 and 33,

Chains

Over rolling desert land, through dense timber and scattered undergrowth; desc. 15 ft. over NW. slope.

- 4.70 Small draw, drains NE.; desc. 35 ft. along a NE. slope.  
 21.00 Wash, drains E.; asc. 20 ft. over a S. slope.  
 35.40 Small spur, projects E.; desc. along a NE. slope.  
 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T39S R1E

 $\frac{1}{4}$ 

S32|S33

1956

from which

A juniper, 6 ins. diam., bears S.  $84^{\circ}$  E., 33 lks. dist., marked  $\frac{1}{4}$  S33 BT.

A pinon, 6 ins. diam., bears S.  $44^{\circ} 30'$  W., 59 lks. dist., marked  $\frac{1}{4}$  S32 BT.

Desc. 60 ft. over a NE. slope.

- 59.10 Wash, drains E.; asc. 50 ft. over a S. slope.  
 79.00 Spur, projects E.; desc. along a N. slope.  
 80.00 Point for the cor. of secs. 28, 29, 32, and 33.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap marked

T39S R1E

S29|S28

S32|S33

1956

from which

A pinon, 14 ins. diam., bears S.  $40^{\circ}$  E., 106 lks. dist., marked T39S R1E S33 BT.

A juniper, 6 ins. diam., bears S.  $35^{\circ}$  W., 75 lks. dist., marked T39S R1E S32 BT.

A pinon, 6 ins. diam., bears N.  $50^{\circ}$  W., 157 lks. dist., marked T39S R1E S29 BT.

Land, rolling desert.

Soil, sandy clay loam.

Timber, dense juniper and pinon.

Undergrowth, scant black brush, bitter brush, mountain rush, silverleaf, and grass.

From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the township.

Thence

N.  $0^{\circ} 03'$  W., bet. secs. 31 and 32.

Subdivision, T. 39 S., R. 1 E.

Chains

Over gently rolling desert land, through dense timber and scant undergrowth; asc. 20 ft. over a NE. slope.

13.10

Small spur, projects E.

15.10

Draw, drains E.

25.70

Small spur, projects E.

35.00

Draw, drains E.

40.00

Point for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 23 ins. in the ground, with brass cap marked

T39S R1E

$\frac{1}{4}$

S31|S32

1956

from which

A juniper, 21 ins. diam., bears N.  $60^{\circ} 30'$  E., 81 lks. dist., marked  $\frac{1}{4}$  S32 BT.

A pinon, 6 ins. diam., bears N.  $56^{\circ} 15'$  W., 55 lks. dist., marked  $\frac{1}{4}$  S31 BT.

Asc. 20 ft. along an E. slope.

50.20

Spur, projects E.; desc. 30 ft. along an E. slope.

64.60

Draw, drains E.; asc. along a S. slope.

80.00

Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap marked

T39S R1E

S30|S29

S31|S32

1956

from which

A juniper, 10 ins. diam., bears N.  $24^{\circ} 30'$  E., 70 lks. dist., marked T39S R1E S29 BT.

A pinon, 10 ins. diam., bears S.  $85^{\circ}$  E., 54 lks. dist., marked T39S R1E S32 BT.

A juniper, 8 ins. diam., bears S.  $24^{\circ}$  W., 58 lks. dist., marked T39S R1E S31 BT.

Land, gently rolling desert.

Soil, sandy clay loam.

Timber, dense juniper and pinon.

Undergrowth, scattered black brush, bitter brush, silver leaf, mountain rush and grass.

From the cor. of secs. 28, 29, 32, and 33.

Thence

Chains

S. 89° 49' W., bet. secs. 29 and 32.  
 Over gently rolling desert land, through dense timber and scattered undergrowth; asc. 50 ft. along a NE. slope.

33.90 Draw, drains N.

39.00 Wash, drains N. 20° E.

40.00 Point for the  $\frac{1}{2}$  sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap marked

T39S R1E

 $\frac{1}{2}$  S 29

S 32

1956

from which

A pinon, 8 ins. diam., bears S. 80° E., 70 lks. dist., marked  $\frac{1}{2}$  S32 BT.

A pinon, 6 ins. diam., bears N. 37° W., 52 lks. dist., marked  $\frac{1}{2}$  S29 BT.

Asc. 30 ft. along a N. slope.

43.60 Spur, projects NE.

44.80 Small draw, drains N. 30° E.; asc. 90 ft. over an E. slope.

69.60 Spur, projects SE.

72.70 Wash, drains SE.; asc. 35 ft. over a SE. slope.

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

Land, rolling desert.

Soil, sandy clay loam.

Timber, medium dense juniper and pinon.

Undergrowth, scattered black brush, wild apple, bitter brush, silverleaf and grass.

## General Description

The land in the township varies from rolling desert land in most of the township to broken desert mountains in the northwest. The drainage is all to the south, into tributaries of the Colorado River. The soil is principally a sandy clay loam, with a considerable amount of exposed sandstone in the northwest portion. There is a medium dense growth of juniper and pinon over most of the township. The undergrowth is mainly sagebrush with a lesser amount of black brush, bitter brush, wild apple, mountain rush, silverleaf, grass, and weeds. There are no permanent habitations in the township. A limited amount of prospecting for fissionable minerals has been, and to some extent is still being carried on in the area.



### CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25 day of June, 1956

I have surveyed The South and East Boundaries and a portion of the Subdivision of Township 39 South Range 1 East

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

April 30 1957

*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

0-10-1  
(9-27-57)

EDUCATED DISTRICT

I, Robert C. Yundt ~~do hereby~~ **CERTIFY** upon honor that, in  
pursuance of special instructions bearing date of the 25 day of June, 1956,

I have ~~surveyed~~ **Supervised** the survey of the South and East Boundaries and a  
portion of the Subdivision of Township 39 South Range 1 East.

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

April 30 1957

*Robert C. Yundt*  
Robert C. Yundt

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 13 1957, 1957

The foregoing field notes of the survey of The South and East Boundaries and a portion  
of the Subdivision of Township 39 South Range 1 East.

executed by Fred R. Chappell Cadastral Surveyor, under the supervision of  
Robert C. Yundt Cadastral Surveyor ( Chief of Party )  
having been critically examined and found correct, are hereby approved.

*Donald Clement*  
Chief, Division of Cadastral Engineering  
Acting 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  
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the South and East Boundaries

and a

Portion of the Subdivision

of

Township 39 South, Range 2 East

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Robert C. Yundt, Cadastral Surveyor (Chief of Party)

Fred R. Chappell, Cadastral Surveyor

Kenneth D. Witt, Cartographic Survey Aid

Under special instructions dated June 25, 1956, which provided

for the surveys included under Group No. 409, approved June 28, 1956

and assignment instructions dated July 2, 1956

Survey commenced October 9, 1956

Survey completed November 1, 1956

# INDEX DIAGRAM

Township 39 South, Range 2 East

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## Township 39 South, Range 2 East

Chains

The west and north boundaries were surveyed concurrently under this same group and the record appears in the field notes for T. 39 S., R. 1 E. and T. 38 S., R. 2 E., respectively.

The following field notes are those of a survey of the south boundary, the east boundary, and that part of the subdivision of T. 39 S., R. 2 E. considered sufficient in extent to facilitate the development of the natural resources and to identify the boundaries of those sections normally considered as State school land.

The corners along the latitudinal section lines were established on the true latitudinal curve, and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the entire township had been subdivided.

The survey was executed with Gurley solar transit No. 541327, property of the U. S. Bureau of Land Management and constructed in accordance with their standard specifications. The horizontal plate has two double verniers placed opposite to each other and graduated to 30 seconds of arc. The instrument has a full vertical circle with one double vernier graduated to single minutes of arc. It is equipped with improved type solar attachment. Since this solar attachment was not used, no description of it will be included here. The instrument was in good adjustment, and prior to the beginning of the field work it was examined and all errors eliminated. It was maintained in proper adjustment throughout the survey.

The geographic position of the southeast corner of the township, determined from data obtained from the U. S. Geological Survey is as follows: Latitude  $37^{\circ} 22' 10''$  N., Longitude  $111^{\circ} 37' 58''$  W. The mean magnetic declination was found to be  $15\frac{1}{2}^{\circ}$  East.

The directions of the lines of the survey were determined by reference to true meridian lines established on line by Polaris observations. The lines were carried forward as transit lines and checked by succeeding observations.

The measurements were made with steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of ten links. These tapes were tested by comparison with a 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 horizontal equivalents which appear in these notes. In most cases, the measurements were determined by chaining, but in some instances they were obtained by triangulation and others by traverses and offsets. The details of these were verified, and only the true line distances are reported in these field notes.

## South Boundary of T. 39 S., R. 2 E.

Beginning at the cor. of Ts. 39 and 40 S., Rs. 2 and 3 E., mkd. by an iron post,  $2\frac{1}{2}$  ins. diam., described in the field notes for T. 40 S., R. 2 E., surveyed concurrently under this same group.

S.  $89^{\circ} 58'$  W., bet. secs. 1 and 36.

South Boundary of T4039 S., R. 2 E.

Chains

Over rolling mesa land, through medium dense timber.  
 26.00 Wash, 30 lks. wide, 10 ft. deep, course N. 10° E.  
 40.00 Point for the 1/4 sec. cor. of secs. 1 and 36.  
 Set an iron post, 30 ins. long, 2 1/2 ins. diam., 4 ins. in the ground, with mound of stone, with brass cap mkd.

T39S R2E  
 S36  
 1/4 S 1  
 T40S  
 1956

Deposit broken glass at the base of the post.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.  
 Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T39S R2E  
 S35 | S36  
 S 2 | S 1  
 T40S  
 1956

from which

A juniper, 18 ins. diam., bears N. 50 1/2° E., 64 lks. dist., mkd. T39S R2E S36 BT.

A juniper, 18 ins. diam., bears S. 59° E., 36 lks. dist., mkd. T40S R2E S1 BT.

Land, level mesa land.  
 Soil, sandy clay.  
 Timber, medium growth of juniper and pinon.  
 Undergrowth, scattered growth of blackbrush and sagebrush.

S. 89° 58' W., bet. secs. 2 and 35.

Over level mesa land, through medium dense timber.

9.60 Leave timber; enter sagebrush flat.

20.80 Small wash, course N. 10° E.

25.60 Enter timber.

40.00 Point for the 1/4 sec. cor. of secs. 2 and 35.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T39S R2E  
 S35  
 1/4 S 2  
 T40S  
 1956

## South Boundary of T39 S., R. 2 E.

Chains	
	Deposit a sandstone rock, 4x3x3 ins., mkd. with a cross (X) at the base of the post.
	Leave timber; enter sagebrush flat.
56.00	Enter timber.
73.20	Leave timber; enter sagebrush flat.
79.80	Wash, 20 lks. wide, 10 ft. deep, course N.
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.
	T39S R2E S34 S35 S 3   S 2 T40S 1956
	Land, level mesa land. Soil, sandy clay. Timber, medium growth of juniper and pinon. Undergrowth, scattered growth of blackbrush and sagebrush.
	S. 89° 58' W., bet. secs. 3 and 34. Over level mesa land, through medium dense timber.
1.10	Wash, 40 lks. wide, 15 ft. deep, course N. 20° E.
32.10	Sandstone ledge, bears NE. and SW.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, with mound of stone, with brass cap mkd.
	T39S R2E S34 ¼ S 3 T40S 1956
80.00	Point for the cor. of secs. 3, 4, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground, with mound of stone, with brass cap mkd.
	T40S R2E S33 S34 S 4   S 3 T40S 1956
	from which A pinon, 7 ins. diam., bears N. 60½° E., 64 lks. dist., mkd. T39S R2E S34 BT.

South Boundary of T. 39 S., R. 2 E.

Chains

and

A pinon, 8 ins. diam., bears S. 32 1/2° E., 96 lks. dist., mkd. T40S R2E S3 BT.

A pinon, 16 ins. diam., bears S. 40 1/2° W., 66 lks. dist., mkd. T40S R2E S4 BT.

A pinon, 5 ins. diam., bears N. 72 1/2° W., 28 lks. dist., mkd. T39S R2E S33 BT.

Land, rolling mesa land.  
Soil, sandy clay.  
Timber, dense growth of juniper and pinon.  
Undergrowth, scant growth of blackbrush and sagebrush.

S. 89° 58' W., bet. secs. 4 and 33.

Over rolling mesa land, through dense timber.

38.50 Ridge, bears SE. and NW.

40.00 Point for the 1/4 sec. cor. of secs. 4 and 33, falls on edge of canyon rim.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.

T39S R2E

1/4 S33  
S 4

T40S  
1956

41.40 Spur, projects SW.

48.40 Rim of canyon, bears SE. and NE.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, surrounded by a mound of stone, with brass cap mkd.

T39S R2E

S32 | S33  
S 5 | S 4

T40S  
1956

from which

A juniper, 6 ins. diam., bears N. 37° E., 83 lks. dist., mkd. T39S R2E S33 BT.

A pinon, 12 ins. diam., bears S. 60 1/2° E., 100 lks. dist., mkd. T40S R2E S4 BT.

A juniper, 20 ins. diam., bears N. 87° W., 52 lks. dist., mkd. T39S R2E S32 BT.

Land, level mesa land.  
Soil, sandy clay.  
Timber, dense growth of juniper and pinon.  
Undergrowth, scant growth of blackbrush and sagebrush.

## South Boundary of T. 39 S., R. 2 E.

Chains	
40.00	<p>S. 89° 58' W., bet. secs. 5 and 32.</p> <p>Over level mesa land, through dense timber.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 5 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, surrounded by a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T39S R2E  <math>\frac{1}{4}</math> <math>\frac{S32}{S 5}</math>  T40S  1956</p>
62.20	<p>Rim of canyon, bears NE. and SW.; desc. 500 ft. into Four Mile Canyon.</p>
78.60	<p>Stream of water, 4 lks. wide, 3 ins. deep, course SW. in bottom of Four Mile Canyon.</p>
80.00	<p>Point for the cor. of secs. 5, 6, 31 and 32.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.</p> <p style="text-align: center;">T39S R2E  <math>\frac{S31   S32}{S 6   S 5}</math>  T40S  1956</p> <p>Land, broken mesa land.  Soil, sandy clay.  Timber, scattered growth of juniper and pinon.  Undergrowth, mountain rush, blackbrush, and sagebrush.</p>
31.30	<p>S. 89° 58' W., bet. secs. 6 and 31.</p> <p>Over mountainous land, through scattered timber; asc. 490 ft. over E. slope to rim of canyon.</p> <p>Rim of Four Mile Canyon, bears N. and S.</p>
40.00	<p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 6 and 31.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;">T39S R2E  <math>\frac{S31}{S 6}</math>  T40S  1956</p>
53.20	<p>E. rim of Tommy Canyon, bears N. and S.; desc. 590 ft. into canyon.</p>
67.70	<p>Wash, in bottom of Tommy Canyon, course SW.</p>
79.65	<p>The cor. of Ts. 39 and 40 S., Rs. 1 and 2 E., mkd. by an iron post, 2½ ins. diam., described in the field notes for T. 40 S., R. 1 E., surveyed concurrently under this same group.</p> <p>Land, broken slopes of canyons.  Soil, sandy clay.  Timber, scattered growth of juniper and pinon.  Undergrowth, mountain rush, blackbrush, and sagebrush.</p>

East Boundary of T. 39 S., R. 2 E.

Chains

Beginning at the cor. of Ts. 39 and 40 S., Rs. 2 and 3 E., hereinbefore described.

North, bet. secs. 31 and 36.

Over rolling mesa land, through medium dense timber; desc. 100 ft. to the 1/4 sec. cor.

40.00

Point for the 1/4 sec. cor. of secs. 31 and 36, falls in the head of a small draw, course W.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T39S  
R2E R3E  
1/4  
S36|S31  
1956

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

52.20

Rim of canyon, bears NE. and SW.; desc. NW. slope.

68.00

(Approximate distance) Wash, in bottom of canyon, course NE.

80.00

True point for the cor. of secs. 25, 30, 31 and 36, falls where it is impractical to monument the corner.

Land, broken slopes of canyon.  
Soil, sandy clay.  
Timber, scattered growth of juniper and pinon.  
Undergrowth, mountain rush, blackbrush, and sagebrush.

North, bet. secs. 25 and 30.

Over mountainous land, through medium dense timber.

1.00

(Approximate distance) Wash, in bottom of canyon, course E.

7.26

Point selected for the witness cor. of secs. 25, 30, 31 and 36, on top of large table rock.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., in a mound of stone, with brass cap mkd.

T39S  
W C  
R2E R3E  
S25|S30  
S36|S31  
1956

Asc. 140 ft. over S. slope.

20.00

Flat top spur, projects E.

30.00

Desc. 120 ft. to 1/4 sec. cor.

40.00

Point for the 1/4 sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.

## East Boundary of T. 39 S., R. 2 E.

Chains	
	<p style="text-align: center;">T39S R2E R3E S25   S30 1956</p>
42.20	S. rim of Last Chance Canyon, bears SE. and NW.
73.00	(Approximate distance) Wash, in bottom of canyon, course SE.
79.36	Point for the witness cor. of secs. 19, 24, 25 and 30, on rock spur, projects W.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone surface rock, and in a mound of stone, with brass cap mkd.
	<p style="text-align: center;">T39S R2E   R3E S24   S19 S25   S30 W C 1956</p>
80.00	True point for the cor. of secs. 19, 24, 25 and 30, falls on face of cliff where the corner cannot be perpetuated.
	Land, broken mountainous land. Soil, sandy clay. Timber, medium growth of juniper and pinon. Undergrowth, scant growth of blackbrush and sagebrush.
	North, bet. secs. 19 and 24.
	Over mountainous land, through medium growth of timber.
4.00	(Approximate distance) Wash, in bottom of draw, course SW.
13.52	Rim of canyon, bears N. 75° E. and S. 75° E.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, with a mound of stone, with brass cap mkd.
	<p style="text-align: center;">T39S R2E R3E S24   S19 1956</p>
72.50	Head of deep draw, drains SW.
80.00	Point for the cor. of secs. 13, 18, 19 and 24, falls on S. slope on large boulder.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in rock, with a mound of stone, with brass cap mkd.
	<p style="text-align: center;">T39S R2E   R3E S13   S18 S24   S19 1956</p>

East Boundary of T. 39 S., R. 2 E.

Chains

1000

Land, rolling mesa land.  
Soil, sandy clay.  
Timber, medium growth of juniper and pinon.  
Undergrowth, scant growth of blackbrush and sagebrush.

North, bet. secs. 13 and 18.

Over rolling mesa land, through medium dense timber.

6.00 Spur, projects W.; desc. 100 ft. over N. slope.

33.50 Rim of canyon, bears N. 75° E. and S. 75° W.

37.00 (Approximate distance) Wash, in bottom of canyon, course S. 75° W.

39.00 N. rim of canyon, bears E. and W.

40.00 Point for the 1/4 sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.

T39S  
R2E R3E  
1/4  
S13 | S18  
1956

79.20 Large wash, course SW.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.

T39S  
R2E R3E  
S12 | S 7  
S13 | S18  
1956

Land, rolling mesa land.  
Soil, sandy clay.  
Timber, medium growth of juniper and pinon.  
Undergrowth, scant growth of blackbrush and sagebrush.

North, bet. secs. 7 and 12.

Over rolling mesa land, through medium dense timber.

23.70 Large wash, course W.

30.00 Rocky spur, projects W.

40.00 Point for the 1/4 sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground with mound of stone, with brass cap mkd.

T39S  
R2E R3E  
1/4  
S12 | S 7  
1956

East Boundary of T. 39 S., R. 2 E.

Chains

- 57.80 S. rim of canyon, bears NE. and SW.
  - 59.20 N. rim of canyon, bears NE. and SW.
  - 79.20 Point for the witness cor. of secs. 1, 6, 7 and 12.
- Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.

T39S  
 R2E R3E  
 S 1 | S 6  
 S12 | S 7  
 W C  
 1956

- 80.00 The true point for the cor. of secs. 1, 6, 7 and 12, falls on the face of sandstone ledge, where the corner cannot be perpetuated.
- Land, rolling mesa land.  
 Soil, sandy clay.  
 Timber, medium growth of juniper and pinon.  
 Undergrowth, scant growth of blackbrush and sagebrush.

North, bet. secs. 1 and 6.

Over rolling mesa land, through medium dense timber; asc. 135 ft. over gradual S. slope.

- 40.00 Point for the ¼ sec. cor. of secs. 1 and 6.
- Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, with a mound of stone, with brass cap mkd.

T39S  
 R2E R3E  
 S 1 | S 6  
 1956

Asc. 130 ft. over S. slope.

- 80.00 True point for the cor. of Ts. 38 and 39 S., Rs. 2 and 3 E. falls in the edge of small drain where it is impractical to set monument.

At a point North, 0.10 chs. dist.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid surface, and in a mound of stone, with brass cap mkd.

W C  
 T38S  
 R2E R3E  
 S36 | S31  
 S 1 | S 6  
 T39S  
 1956

from which

A juniper, 10 ins. diam., bears S. 23¼° W., 34 lks. dist., mkd. T39S R2E S1 BT.

Chains

chains

A juniper, 14 ins. diam., bears N. 68° W., 41 lks. dist., mkd. T38S R2E S36 BT.

Land, rolling mesa land.

Soil, sandy clay.

Timber, dense growth of juniper and pinon.

Undergrowth, scant growth of blackbrush and sagebrush.

Portion of the Subdivision, T. 39 S., R. 2 E.

Beginning at 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 level mesa land, through medium dense timber.

40.00

Point for the 1/4 sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E

S35 | S36

1956

from which

A pinon, 18 ins. diam., bears N. 10° E., 46 lks. dist., mkd. 1/4 S36 BT.

A juniper, 8 ins. diam., bears N. 75° W., 90 lks. dist., mkd. 1/4 S35 BT.

73.60

Desc. 50 ft. over NE. glope to corner.

80.00

Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.

T39S R2E

S26 | S25

S35 | S36

1956

from which

A pinon, 8 ins. diam., bears S. 74 1/2° E., 42 lks. dist., mkd. T39S R2E S36 BT.

A pinon, 14 ins. diam., bears S. 11 1/2° W., 44 lks. dist., mkd. T39S R2E S35 BT.

A pinon, 8 ins. diam., bears N. 40 1/2° W., 26 lks. dist., mkd. T39S R2E S26 BT.

Land, broken mesa land.

Soil, sandy clay.

Timber, medium growth of juniper and pinon.

Undergrowth, scant growth of blackbrush and sagebrush.

Portion of the Subdivision, T. 39 S., R. 2 E.

Chains

- From the true point for the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, which is 7.26 chs. South of the witness corner.
- S. 89° 52' W., bet. secs. 25 and 36.
- Over mountainous land, through medium dense timber.
- 25.00 (Approximate distance) Wash, in bottom of canyon, course NE.
- 40.02 True point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36, falls on the face of a ledge, where the corner cannot be monumented.
- 40.66 Point for the witness  $\frac{1}{4}$  sec. cor. of secs. 25 and 36.
- Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.
- T39S R2E  
WC  $\frac{1}{4}$   $\frac{S25}{S36}$   
1956
- Asc. 70 ft. over E. slope.
- 50.00 Top of ascent; thence across rolling mesa land.
- 60.70 Small wash, course N. 20° W.
- 69.00 Spur, projects N.
- 77.20 Small wash, course NW.
- 80.04 The cor. of secs. 25, 26, 35 and 36.
- Land, rolling mesa land.  
Soil, sandy clay.  
Timber, medium growth of juniper and pinon.  
Undergrowth, scant growth of blackbrush and sagebrush.
- 
- From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp.
- N. 0° 02' W., bet. secs. 33 and 34.
- Over rolling mesa land, through medium heavy timber.
- 25.00 Small wash, course N. 25° W.
- 31.50 W. edge of rocky spur, projecting N. 70° W.
- 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., 24 ins. in the ground, with brass cap mkd.
- T39S R2E  
 $\frac{1}{4}$   
S33|S34  
1956
- from which
- A juniper, 8 ins. diam., bears N. 33° E., 42 lks. dist., mkd.  $\frac{1}{4}$  S34 BT.

Portion of the Subdivision T39S R. 2 E.

Chains	and
	A juniper, 4 ins. diam., bears N. 40° W., 32 lks. dist., mkd. ½ S33 BT.
44.00	Small wash, course S. 70° W.
50.00	Small wash, course S. 60° W.; asc. over gradual S. slope.
60.00	Spur, projects S. 80° W.
77.00	Wash, course N. 40° W.
80.00	Point for the cor. of secs. 27, 28, 33 and 34, falls approximately one chain W. of wash.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T39S R2E S28 S27 S33 S34 1956
	from which
	A juniper, 12 ins. diam., bears N. 53° E., 50 lks. dist., mkd. T39S R2E S27 BT.
	A juniper, 10 ins. diam., bears S. 53° W., 14 lks. dist., mkd. T39S R2E S33 BT.
	A juniper, 10 ins. diam., bears N. 71½° W., 40 lks. dist., mkd. T39S R2E S28 BT.
	Land, rolling mesa land. Soil, sandy clay. Timber, medium growth of juniper and pinon. Undergrowth, medium growth of blackbrush and sagebrush.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over rolling mesa land, through medium dense timber.
1.70	Wash, course N. 60° W.
17.00	Wash, course W.
26.00	Spur, projects S. 40° E.
34.00	Rocky knob.
40.00	Point for the cor. of secs. 27 and 28, falls on E. slope.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.
	T39S R2E S28 S27 S33 S34 1956
	from which
	A pinon, 5 ins. diam., bears S. 77° 45' E., 22 lks. dist., mkd. ½ S27 BT.

3988

Portion of the Subdivision T. 39 S., R. 2 E.

Chains

Set an iron post, 18 ins. diam., bears S. 64° W., 81 lks. dist., mkd.  $\frac{1}{4}$  S28 BT.

46.00 Wash, course N. 80° W.

55.00 Wash, course S. 60° W.

63.00 Small spur, projects S. 70° E.; thence over a number of small washes.

73.00 Small spur, projects S. 40° W.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 24 ins. in the ground, with brass cap mkd.

T39S R2E  
 $\frac{S21}{S28}$  |  $\frac{S22}{S27}$   
 1956

from which

A juniper, 10 ins. diam., bears S. 44° 45' E., 53 lks. dist., mkd. T39S R2E S27 BT.

A juniper, 10 ins. diam., bears N. 56° 45' W., 51 lks. dist., mkd. T39S R2E S21 BT.

Land, rolling mesa land.

Soil, sandy clay.

Timber, medium growth of juniper and pinon.

Undergrowth, scant growth of mountain rush, blackbrush, and sagebrush.

N. 0° 02' W., bet. secs. 21 and 22.

Over rolling mesa land, through medium dense timber.

6.25 Unimproved dirt road, bears N. 51° 30' E. and S. 51° 30' W.

6.43 Four strand barbed wire fence, bears same as the road.

24.00 Small spur, projects N. 80° W.

28.00 Small wash, course S. 80° W.

39.50 Small wash, course S. 50° W.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 12 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E  
 $\frac{S21}{S22}$   
 1956

from which

Portion of the Subdivision, T. 39 S., R. 2 E.

Chains

A juniper, 15 ins. diam., bears N 31° 30' E., 66 lks. dist., mkd. ¼ S22 BT.

A pinon, 12 ins. diam., bears N 80° 30' W., 23 lks. dist., mkd. ¼ S21 BT.

50.00 Small drain, course N. 70° W.

60.00 Small spur, projects N. 60° W.

74.00 Wash, course S. 20° W.

80.00 Point for the cor. of secs. 15, 16, 21 and 22

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T39S R2E  
 S16|S15  
 S21|S22  
 1956

from which

A juniper, 8 ins. diam., bears N. 56° 30' E., 32 lks. dist., mkd. T39S R2E S15 BT.

A pinon, 8 ins. diam., bears N. 2° 30' W., 58 lks. dist., mkd. T39S R2E S16 BT.

Land, rolling mesa land.  
 Soil, sandy clay.  
 Timber, medium growth of juniper and pinon.  
 Undergrowth, scant growth of mountain rush and sagebrush.

N. 0° 02' W., bet. secs. 15 and 16.

Over rolling mesa land, through medium dense timber; asc. 250 ft. over S. slope to ¼ sec. cor.

10.00 Spur, projects S. 60° W.

29.00 Spur, projects N. 60° W.

39.00 Small spur, projects S. 80° W.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16, falls on N. slope of spur.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T39S R2E  
 S16|S15  
 1956

from which

A pinon, 4 ins. diam., bears S. 45° 45' E., 50 lks. dist., mkd. ¼ S15 BT.

66.00 Head of gulch, drains W.

Portion of the Subdivision, T39 S., R. 2 E.

Chains

75.00 Bottom of swale, 10 chs. wide.  
 80.00 Point for the cor. of secs. 9, 10, 15 and 16.  
 Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E

S 9	S10
S16	S15

1956

from which

A pinon, 8 ins. diam., bears S. 36½° E., 30 lks. dist., mkd. T39S R2E S15 BT.

A juniper, 4 ins. diam., bears N. 3½° W., 26 lks. dist., mkd. T39S R2E S9 BT.

Land, rolling mesa land.

Soil, sandy clay.

Timber, medium growth of juniper and pinon.

Undergrowth, scant growth of mountain rush and blackbrush.

N. 0° 02' W., bet. secs. 9 and 10.

Over rolling mesa land, through medium dense timber.

18.50 Head of gulch, course W.

40.00 Point for the ¼ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T39S R2E

S 9	S10
-----	-----

1956

from which

A pinon, 5 ins. diam., bears N. 36° E., 33 lks. dist., mkd. ¼ S10 BT.

45.00 Spur, projects W.

56.00 Draw, course S. 80° E.

60.00 Small wash, course SE.

71.00 Draw, course N. 75° E.

76.00 Draw, course S. 60° E.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Portion of the Subdivision T. 38 S., R. 2 E.

Chains	mial')
	<p>T39S R2E S 4   S 3 8 9   S 10 1956</p> <p>from which</p> <p>A juniper, 12 ins. diam., bears S. 52½° W., 42 lks. dist., mkd. T39S R2E S9 BT.</p> <p>A juniper, 4 ins. diam., bears N. 9½° W., 20 lks. dist., mkd. BT.</p> <p>Land, rolling mesa land. Soil, sandy clay. Timber, medium growth of juniper and pinon. Undergrowth, scant growth of mountain rush and blackbrush.</p>
28.00	<p>N. 0° 17' W., bet. secs. 3 and 4.</p> <p>Over number of small drains and spurs putting SE., covered with medium dense timber.</p> <p>Wash, course SE.</p>
40.00	<p>Point for the ¼ sec. cor. of secs. 3 and 4.</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.</p> <p>T39S R2E S 4   S 3 1956</p> <p>from which</p> <p>A juniper, 8 ins. diam., bears N. 50½° E., 12 lks. dist., mkd. ¼ S3 BT.</p> <p>A juniper, 12 ins. diam., bears S. 89½° W., 18 lks. dist., mkd. ¼ S4 BT.</p> <p>Continue over number of small washes and spurs, putting SE.</p>
70.00	<p>Wash, drains SE.</p>
80.27	<p>The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., described in the field notes for T. 38 S., R. 2 E., surveyed concurrently under this same group.</p> <p>Land, rolling mesa land. Soil, sandy clay. Timber, medium growth of juniper and pinon. Undergrowth, scant growth of mountain rush and blackbrush.</p>
	<p>From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., described in the field notes for T. 38 S., R. 2 E., surveyed concurrently under this same group.</p> <p>S. 0° 01' E., bet. secs. 1 and 2.</p>

Portion of the Subdivision, T. 39 S., R. 2 E.

Chains

- Over broken mesa land, through medium dense growth of timber.
- 3.00 N. rim of Paradise Canyon, bears SE. and NW.
- 7.00 (Approximate distance) Wash, in bottom of canyon, course SE.
- 10.00 S. rim of Paradise Canyon, bears SE. and NW.
- 27.40 Spur, projects E.
- 40.09 Point for the 1/4 sec. cor. of secs. 1 and 2,  
 Set an iron post, 36 ins. long, 1 in. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.  
 T39S R2E  
 1/4  
 S 2 | S 1  
 1956
- Continue over number of small drains and spurs, putting E.
- 79.56 Point selected for the witness cor. of secs. 1, 2, 11 and 12.  
 Set an iron post, 36 ins. long, 1 in. diam., 24 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.  
 W C  
 T39S R2E  
 S 2 | S 1  
 S11 | S12  
 1956
- 80.09 True point for the cor. of secs. 1, 2, 11 and 12, falls on steep E. slope, where it is impractical to monument corner.  
 Land, broken mesa land.  
 Soil, sandy clay.  
 Timber, medium growth of juniper and pinon.  
 Undergrowth, scant growth of mountain rush and blackbrush.

From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., mkd. by an iron post, 2 1/2 ins. diam., described in the field notes for T. 38 S., R. 2 E., surveyed concurrently under this same group.

S. 0° 01' E., bet. secs. 2 and 3.

Over level mesa land, through medium dense timber.

- 40.18 Point for the 1/4 sec. cor. of secs. 2 and 3.

Set an iron post, 36 ins. long, 1 in. diam., 24 ins. in the ground, with brass cap mkd.

T39S R2E  
1/4  
S 3 | S 2  
1956

from which

Portion of the subdivision, T. 39 S., R. 2 E.

Chains

BEARINGS

- 60.00 Spur, projects SE.
- 68.00 Draw, course SE.
- 70.00 Small spur, projects E.
- 79.50 Spur, projects S. 80° E.
- 80.18 Point for the cor. of secs. 2, 3, 10 and 11, falls on S. slope of spur.

Set an iron post, 36 ins. long, 1 in. diam., 15 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E  

S 3	S 2
S10	S11

 1956

from which

A pinon, 12 ins. diam., bears N. 57½° E., 78 lks. dist., mkd. T39S R2E S2 BT.

A juniper, 6 ins. diam., bears S. 40° W., 13 lks. dist., mkd. T39S R2E S10 BT.

Land, rolling mesa land.  
 Soil, sandy clay.  
 Timber, medium dense growth of juniper and pinon.  
 Undergrowth, medium growth of sagebrush and mountain rush.

N. 89° 59' E., bet. secs. 2 and 11.  
 Over broken mesa land, through medium dense timber.

- 3.50 Desc. 150 ft. into draw, course SE.
  - 7.00 Wash, in bottom of draw, course S. 30° E.; asc. 150 ft. over W. slope.
  - 27.00 Enter sagebrush flat.
  - 35.00 Swale, drains S. 20° E.
  - 40.03 Point for the ¼ sec. cor. of secs. 2 and 11.
- Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T39S R2E  

¼ S 2	
¼ S11	

 1956

from which

Position of the Subdivisions, T. 39 S., R. 2 E.

Chains

A pinon, 12 ins. diam., bears S. 60° E., 72 lks. dist., mkd.  $\frac{1}{4}$  S13 BT.

A pinon, 12 ins. diam., bears N. 8 $\frac{1}{2}$ ° W., 38 lks. dist., mkd.  $\frac{1}{4}$  S2 BT.

52.00 Swale, drains S. 20° E.

60.00 Swale, drains S.

77.00 Desc. 170 ft. over E. slope. true point for the

80.06 The cor. of secs. 1, 2, 11 and 12.

Land, rolling mesa land.

Soil, sandy clay.

Timber, medium dense growth of juniper and pinon.

Undergrowth, medium growth of sagebrush and mountain rush.

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

S. 89° 58' W. bet. secs. 16 and 21.

Over rolling mesa land, through medium dense timber.

5.00 Draw, course S. 40° W.

17.50 Small spur ridge, bears N. and S.

24.50 Draw, course S.

25.50 Spur, projects S. 30° W.

27.00 Wash, course S. 20° E.

33.30 Spur, projects S.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$  ins. diam., 10 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E

$\frac{1}{4}$   $\frac{S16}{S21}$

1956

from which

A pinon, 12 ins. diam., bears S. 22 $\frac{1}{2}$ ° E., 99 lks. dist., mkd.  $\frac{1}{4}$  S21 BT.

41.50 Spur, projects S. 80° W.

50.00 Draw, course S. 20° E.

61.00 Wash, course S. 30° E.

69.50 Draw, course S. 40° E.

70.00 Road, bears N. and S.

80.00 Point for the cor. of secs. 16, 17, 20 and 21, falls on a spur, which projects S. 70° W.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E  
 S17|S16  
 S20|S21  
 1956

from which

A pinon, 12 ins. diam., bears N. 23½° E., 39 lks. dist., mkd. T39S R2E S16 BT.

A pinon, 12 ins. diam., bears S. 89½° E., 87 lks. dist., mkd. T39S R2E S21 BT.

A juniper, 4 ins. diam., bears S. 12½° W., 47 lks. dist., mkd. T39S R2E S20 BT.

Land, rolling mesa land.  
 Soil, sandy clay.  
 Timber, medium growth of juniper and pinon.  
 Undergrowth, scant growth of silver leaf.

N. 0° 03' W., bet. secs. 16 and 17.

Over rolling mesa land, through medium dense timber.

8.00 Wash, course S. 80° E.

18.00 Unimproved road, bears S. 60° E. and N. 60° W.

30.00 Small wash, course S. 35° W.

40.00 Point for the ¼ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E  
 ¼  
 S17|S16  
 1956

from which

A juniper, 6 ins. diam., bears N. 63° E., 110 lks. dist., mkd. ¼ S16 BT.

A pinon, 8 ins. diam., bears S. 18½° W., 31 lks. dist., mkd. ¼ S17 BT.

50.00 Wash, course N. 40° E.

55.00 Spur, projects N. 40° E.

62.50 Wash, course N. 30° W.

76.00 Wash, course S. 10° W.

77.00 Spur, projects S. 15° W.

79.70 Point for the witness cor. of secs. 8, 9, 16 and 17.

Part of the Subdivision T. 39 S., R. 2 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

W C  
T39S R2E  
S 8 | S 9  
S17 | S16  
1956

80.00

True point for the cor. of secs. 8, 9, 16 and 17, falls on steep S. slope, where it is impractical to monument the corner.

Land, broken mesa land.  
Soil, sandy clay.  
Timber, medium growth of juniper and pinon.  
Undergrowth, scant growth of silver leaf and mountain rush.

From the cor. of secs. 9, 10, 15 and 16.

N. 89° 55' W., bet. secs. 9 and 16.

Over broken mesa land, through medium dense timber.

3.00

Draw, course S. 40° E.

14.70

Desc. 180 ft. over N. clay slope.

37.50

Wash, course S. 50° W.

40.04

Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, with mound of stone, with brass cap mkd.

T39S R2E  
¼ S 9  
S16  
1956

from which

A juniper, 8 ins. diam., bears S. 32½° W., 52 lks. dist., mkd. ¼ S16 BT.

52.00

Wash, course S. 20° E.

60.00

Wash, course N.

78.50

Wash, course S. 40° W.

80.08

True point for the  
The cor. of secs. 8, 9, 16 and 17.

Land, broken mesa land.  
Soil, sandy clay.  
Timber, scattered growth of juniper and pinon.  
Undergrowth, scant growth of silver leaf and sagebrush.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp.

N. 0° 03' W., bet. secs. 32 and 33.

Portion of the Subdivision, T. 39 S., R. 2 E.

Chains	entire
	Over rolling mesa land, through medium growth of timber.
28.00	Small wash, course N. 70° E.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.
	T39S R2E S32 S33 1956
	from which
	A pinon, 6 ins. diam., bears N. 62½° E., 50 lks. dist., mkd. ¼ S33 BT.
	A pinon, 4 ins. diam., bears S. 85° W., 48 lks. dist., mkd. ¼ S32 BT.
49.00	Rim of Four Mile Canyon; desc. 225 ft. into canyon.
59.00	Spur, projects W.
69.75	Stream of water, 4 lks. wide, 2 ins. deep, course SW.
75.00	N. rim of Four Mile Canyon, bears NE, and SW.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.
	T39S R2E S29 S28 S32 S33 1956
	Land, broken mesa land. Soil, sandy clay. Timber, medium growth of juniper and pinon. Undergrowth, scant growth of silver leaf and sagebrush.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp. N. 0° 03' W., bet. secs. 31 and 32.
	Over mountainous land, covered with juniper and pinon; asc. 600 ft. over S. slope to rim of Four Mile Canyon.
10.70	N. rim of Four Mile Canyon.
21.00	Wash, course S. 40° E.
26.00	Spur, projects E.
32.00	Wash, course NE.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.

## Portion of the Subdivisions T. 39 S., R. 2 E.

## Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E

S31|S32

1956

from which

A pinon, 8 ins. diam., bears N. 31½° E., 41 lks. dist., mkd. ¼ S32 BT.

A pinon, 6 ins. diam., bears S. 67½° W., 44 lks. dist., mkd. ¼ S31 BT.

41.00 Wash, course N. 80° E.

43.50 Wash, course N. 80° E.

48.00 Spur, projecting E.

53.50 Wash, course N. 80° E.

80.00 Point for the cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, surrounded by a mound of stone, with brass cap mkd.

T39S R2E

S30|S29

S31|S32

1956

from which

A pinon, 10 ins. diam., bears N. 47° E., 44 lks. dist., mkd. T39S R2E S29 BT.

A juniper, 20 ins. diam., bears S. 48½° E., 44 lks. dist., mkd. T39S R2E S32 BT.

A juniper, 6 ins. diam., bears N. 81½° W., 77 lks. dist., mkd. T39S R2E S30 BT.

Land, broken mesa land.

Soil, sandy clay.

Timber, medium growth of juniper and pinon.

Undergrowth, scant growth of silver leaf, mountain rush, blackbrush, and sagebrush.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 54' W., bet. secs. 29 and 32.

Over broken mesa land, through medium dense timber.

3.00 Desc. 118 ft. to stream bed.

5.00 Stream of water, course S.

7.50 Asc. 150 ft. to rim of canyon.

Chains

12.00 W. rim of canyon, bears N. and S.  
 32.50 Wash, drains N. 10° E.  
 39.95 Point for the ¼ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T39S R2E

¼ S29  
 ¼ S32  
 1956

from which

A pinon, 20 ins. diam., bears S. 15½° E., 55 lks. dist., mkd. ¼ S32 BT.

A pinon, 8 ins. diam., bears West, 26 lks. dist., mkd. BT.

Asc. 130 ft. over gentle E. slope.

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

Land, broken mesa land.

Soil, sandy clay.

Timber, scattered growth of juniper and pinon.

Undergrowth, scattered growth of silver leaf and sagebrush.

General Description

The land in the township is mostly rolling mesas with broken slopes along the canyons. The township is drained by Tommy Canyon and Four Mile Canyon in the southwest portion and Last Chance Canyon in the southeast portion. The soil is mostly sandy clay. There is a medium growth of juniper and pinon. The undergrowth is mostly sagebrush, blackbrush, mountain rush, and silver leaf. There are no permanent habitations in the township.



CERTIFICATE OF CADASTRAL ENGINEER

No. 1, Fred A. Chappell and Kenneth D. Witt, ENGINEER CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of June, 1957 we have surveyed the south and east boundaries and a portion of the subdivision of T. 39 S., R. 2 E.

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.

Salt Lake City, Utah  
March 26, 1957

*Fred A. Chappell*  
Fred A. Chappell, Cadastral Surveyor  
*Kenneth D. Witt*  
Kenneth D. Witt, Cartographic Survey Aid

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.

(Seal, Division of Cadastral Engineering)

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys is \_\_\_\_\_  
is a true copy of the original field notes.

(Seal, Division of Cadastral Engineering)

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of June, 1956, I have surveyed supervised the survey of the south and east boundaries and a portion of the subdivision of T. 39 S., R. 2 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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
March 26, 1957

Robert C. Yundt
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., SEP 13 1957, 19

The foregoing field notes of the survey of the south and east boundaries and a portion of the subdivision of T. 39 S., R. 2 E., Salt Lake Meridian, Utah

executed by Fred R. Chappell and Kenneth D. Witt, under the supervision of Robert C. Yundt having been critically examined and found correct, are hereby approved.

James O. Crenshaw
Acting 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

## 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
30	29	28	27	26	25
31	32	33	34	35	36

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T 38 S, R 1 W  
36

T 39 S, R 1 E  
6

T 39 S, R 1 W

1 14

12 13 7

13 12 18

24 10 19

25 10 30

36 9 31

8

T 40 S, R 1 W

1

T 40 S, R 1 E

6

7

12 6 7

13 5 18

24 4 19

25 3 30

36 1 31

1.

Survey of the Salt Lake Meridian in Townships 39 and 40 South

The survey of the Salt Lake Meridian in townships 39 and 40 south was commenced April 29, 1948, and was executed with Buff and Buff solar transit number 26594, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument is provided with a horizontal plate having two double verniers placed opposite to each other, a full vertical circle with one double vernier and a General Land Office solar attachment. The verniers of the horizontal plate, the vertical circle, and the latitude and declination arcs of the solar attachment are all graduated to single minutes of arc. The instrument was in good condition, and having been placed in satisfactory adjustment prior to the beginning of the field work, was tested and found free from any appreciable error. The instrument was maintained in good adjustment during the survey, being frequently tested to insure its continued accuracy. The directions of the lines of the survey were determined by the solar transit method.

The measurements were made with steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a 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 equivalents, which are used in the field note record.

Establishment of a true meridian upon which to test the solar attachment: At my camp on the northern edge of the old town of Pahreah, in latitude  $37^{\circ}15'30''$  N., and longitude  $111^{\circ}59'45''$  W., at 5h39'35" p.m. by my watch, which carries correct 105th meridian standard time as verified by radio signals from station K S L earlier in the evening, on April 29, 1948, I observe Polaris at western elongation, making four settings of the transit, two each with the telescope in direct and reversed positions, marking the mean point in the line thus determined by a nail in a hub firmly set in the ground ten chains north of my station. I then lay off the azimuth of the star,  $1^{\circ}13'45''$ , to the east of this point (21.46 links), and mark the true meridian with a nail in a second hub firmly set in the ground.

April 30, 1948. Every half hour from 7:00 a.m. to 10:30 a.m., and from 1:30 p.m. to 5:00 p.m. I make the proper settings on the arcs of the solar attachment and ascertain that the resulting orientations of the instrument, when compared with the true meridian above determined have a maximum error of less than  $1'30''$ . I repeat the tests of the arcs daily by noon observations, and verify the meridional indications at frequent intervals.

The survey was initiated at the standard corner of Ts. 40 and 41 S., Rs. 1 E. and 1 W., and surveyed North, setting corners at regular intervals to 480.00 chains, where a corner of T. 40 S., Rs. 1 E. and 1 W. was established. From here a line was surveyed East, as the south boundary of section 36 to a point due south of the corner of townships 38 and 39 south, R. 1 W., set by Andrew Nelson in 1918, where the corner of T. 39 S., Rs. 1 E. and 1 W. was established. From here the meridian was surveyed North, to Nelson's corner, with the fractional measurement in the last half mile.

-----

Survey of the Salt Lake Meridian in Township 40 South.

Beginning at the standard corner of Ts. 40 and 41 S., Rs. 1 E. and 1 W., which is marked by an iron post, 3 ins. in diameter, firmly set, properly marked and witnessed as described in the official record:

Thence:

North, between sections 31 and 36.

Chains

Over mountainous land, through medium dense timber and scant undergrowth; descend 95 ft. along a NW. slope.

5.00 Draw, drains W. about 2 chains to junction with Coyote Canyon draining S., Ascend 740 ft. along a SW. slope over ledges.

28.10 Ledge, about 60 ft. high, bears E. and W. on the south rim of a flat topped spur projecting W., descend gentle N. slope.

31.00 Ledge, about 60 ft high, bears E. and W., on the north rim of spur, descend 365 ft. along a broken NW. slope over ledges.

38.00 Rocky draw, drains W., ascend 35 ft. along a SW. slope.

40.00 Point for the  $\frac{1}{4}$  section corner of sections 31 and 36:

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



A pinon pine, 4 ins. in diameter, bears S. 60°00' E., 50 links distant, marked BT.

A pinon pine, 16 ins. in diameter, bears N. 30°00' W., 8 links distant, marked  $\frac{1}{4}$ S36BT.

Ascend 340 ft. along a rocky SW. slope over ledges.

46.00 Sandstone ledge about 60 ft. high, bears SE. and NW.

48.00 Spur, projects W., descend 605 ft. along a rocky NW. slope over ledges

52.00 Sandstone ledge about 60 ft. high, bears SW. and NE.

61.00 Rocky draw, drains S. 60° W., ascend 625 ft. along a SW. slope over ledges.

75.50 Sandstone ledge about 50 ft. high, bears NW. and SE.

80.00 Point for the corner of sections 25, 30, 31, and 36:

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



A juniper, 3 ins. in diameter, bears S. 39°45' E., 48 links distant, marked BT.

A juniper, 3 ins. in diameter, bears S. 32°30' W., 43 links distant, marked BT.

A juniper, 3 ins. in diameter, bears N. 27°00' W., 66 links distant, marked BT.

No other suitable tree available for marking.

Land, rough and broken mountain slopes  
Soil, rocky clay loam.

Salt Lake Meridian in Township 40 South

Chains	Timber, dwarf juniper and pinon pine; undergrowth, sagebrush, shad-scale, weeds, and grass.															
	North, between sections 25 and 30.															
	Over rough mountainous land, through medium dense timber and scant undergrowth; ascend 50 ft. along a SW. slope.															
2.35	Spur, projects SW., descend 45 ft. along a NW. slope.															
14.10	Rocky draw, drains SW., ascend 130 ft. along a SE. slope.															
21.40	Spur at the south edge of mesa, projects SW., continue over rolling top.															
38.90	North edge of mesa, bears NE. and SW., descend 20 ft along a NW. slope.															
40.00	Point for the $\frac{1}{4}$ section corner of sections 25 and 30:															
	Set an iron post, 3 ft. long and 1 in. in diameter, 10 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:															
	<table style="margin-left: auto; margin-right: auto;"> <tr><td></td><td style="text-align: center;">1/4</td><td></td></tr> <tr><td></td><td style="text-align: center;">S25</td><td style="text-align: center;">S30</td></tr> <tr><td></td><td style="text-align: center;">1948</td><td></td></tr> </table>		1/4			S25	S30		1948							
	1/4															
	S25	S30														
	1948															
	from which,															
	A juniper, 16 ins. in diameter, bears S. 36°00' E., 36 links distant, marked $\frac{1}{4}$ S30BT.															
	A pinon pine, 7 ins. in diameter, bears N. 5°30' W., 70 links distant, marked $\frac{1}{4}$ S25BT.															
	Descend 405 ft. along a NW. slope over ledges.															
57.30	Box canyon, drains W., ascend 425 ft. along a S. slope over ledges.															
73.90	Spur, projects W. about 8 chains to end, descend 60 ft. along a NW. slope.															
80.00	Point for the corner of sections 19, 24, 25, and 30:															
	Set an iron post, 3 ft. long and 2 ins. in diameter, 18 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:															
	<table style="margin-left: auto; margin-right: auto;"> <tr><td></td><td style="text-align: center;">T40S</td><td></td></tr> <tr><td></td><td style="text-align: center;">R1W</td><td style="text-align: center;">R1E</td></tr> <tr><td></td><td style="text-align: center;">S24</td><td style="text-align: center;">S19</td></tr> <tr><td></td><td style="text-align: center;">S25</td><td style="text-align: center;">S30</td></tr> <tr><td></td><td style="text-align: center;">1948</td><td></td></tr> </table>		T40S			R1W	R1E		S24	S19		S25	S30		1948	
	T40S															
	R1W	R1E														
	S24	S19														
	S25	S30														
	1948															
	from which,															
	A pinon pine, 3 ins. in diameter, bears N. 11°00' E., 39 links distant, marked BT.															
	A pinon pine, 4 ins. in diameter, bears S. 4°00' W., 81 links distant, marked BT.															
	A juniper, 4 ins. in diameter, bears N. 37°45' W., 67 links distant, marked BT.															
	Land, rough and broken mountain slopes.															
	Soil, rocky clay loam.															
	Timber, juniper and pinon; undergrowth, sagebrush, shadscale, weeds.															

Chains	Notes
	<p>North, between sections 19 and 24.</p> <p>Over mountainous land, through medium dense timber and scant undergrowth; descend 15 ft. along a SW. slope.</p>
.70	Small draw, drains W., ascend 50 ft. along a SW. slope.
11.50	Spur, projects W., descend 310 ft. along a NW. slope to the draw.
30.80	Sandstone ledge about 60 ft. high, bears NE. and SW.
32.65	Draw, drains S. 80° W., ascend 160 ft. along a NW. slope over ledges.
34.50	Sandstone ledge about 60 ft. high, bears NW. and SE.
36.00	Sandstone spur, projects S. 60° W., descend along a NW. slope.
38.41	<p>On top of a sandstone ledge about 75 ft. high bearing N. 20° E. and S. 20° W.:</p> <p>Set an iron post, 12 ins. long and 1 in. in diameter, 8 ins. in a hole drilled into solid rock, as a witness <math>\frac{1}{4}</math> section corner of section 19 and 24, with brass cap marked:</p> <div style="text-align: center;"> <p>W C  <math>\frac{1}{4}</math>  S24   S19  1948</p> </div> <p style="text-align: right;">from which,</p> <p>A pinon pine, 3 ins. in diameter, bears S. 38°30' E., 59 links distant, marked X BT</p> <p>A pinon pine, 3 ins. in diameter, bears S. 44°30' W., 115 links distant, marked X BT.</p> <p>Descend 155 ft. over ledges.</p>
40.00	Point for the $\frac{1}{4}$ section corner of sections 19 and 24 falls on steep slope of sandstone ledges. Descend 45 ft. along a steep NW. slope over ledges.
44.00	Coyote Canyon, drains S. 20° W., ascend 195 ft. along a rocky SE. slope over ledges.
47.15	Top of sandstone ledge about 100 ft. high and bearing NE. and SW., ascend 75 ft. along a rolling SE. slope.
75.20	Spur, projects E., descend 15 ft. along a NW. slope.
80.00	<p>Point for the corner of sections 13, 18, 19, and 24:</p> <p>Set an iron post, 3 ft. long and 2 ins. in diameter, 14 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:</p> <div style="text-align: center;"> <p>T40S  R1W   R1E  S13   S18  —  S24   S19  1948</p> </div> <p style="text-align: right;">from which,</p> <p>A pinon pine, 16 ins. in diameter, bears S. 54°00' E., 122 links distant, marked T40SR1E19BT.</p> <p>A pinon pine, 18 ins. in diameter, bears S. 41°45' W., 42 links distant, marked T40SR1W324BT.</p>

## Salt Lake Meridian in Township 40 South

## Chains

A juniper, 3 ins. in diameter, bears N.  $34^{\circ}15'$  W., 34 links distant, marked BT.

No other suitable tree available for marking.

Land, rough and broken mountain slopes in the south and rolling hills in the north.

Soil, gravelly to rocky clay loam.

Timber, dwarf juniper and pinon pine; undergrowth, sagebrush, shade-scale, weeds, and grass.

North, between sections 13 and 18.

Over rolling land, through medium dense timber and scant undergrowth; descend 30 ft. along a NW. slope.

.70 Small draw, drains SE., ascend rolling S. slope.

26.00 Spur, projects E., descend 35 ft. along a NE. slope.

40.00 Point for the section corner of sections 13 and 18:

Set an iron post, 3 ft. long and 1 in. in diameter, 28 ins. in the ground, and in a mound of stone, with brass cap marked:

S13 | S18

1948

from which.

A juniper, 16 ins. in diameter, bears N.  $18^{\circ}45'$  E., 32 links distant, marked S18BT.

A pinon pine, 3 ins. in diameter, bears S.  $7^{\circ}00'$  W., 27 links distant, marked BT.

Descend 20 ft. along a NE. slope.

41.10 Small wash, drains SE. at the S. edge of a sagebrush park.

49.10 N. edge of park, bears E. and W., continue over rolling land.

57.50 Wash, 30 links wide and 3 ft. deep, drains N.  $60^{\circ}$  E., continue along the west edge of a sagebrush park.

65.50 Edge of park bears E. and S.

70.20 Wash, 20 links wide and 2 ft. deep, drains E.

71.00 Enter sagebrush park, edge bears NE. and NW.

76.20 Leave park, edge bears E. and S.  $60^{\circ}$  W.

80.00 Point for the corner of sections 7, 12, 13, and 18:

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

T40S

R1W | R1E

S12 | S 7

S13 | S18

1948

from which



Salt Lake Meridian in Township 40 South

Chains

WC  
T40S  
R1W R1E  
S1 S6  
S12 S 7  
1948

80.00 Point for the corner of sections 1, 6, 7, and 12 falls upon sloping sandstone at the south edge of a small draw draining N. 60° E.:

At the corner point:

Cut a cross (X) in solid rock, from which,

A pinon pine, 12 ins. in diameter, bears N. 62°15' E., 47 links distant, marked T40SR1ES6BT.

A pinon pine, 8 ins. in diameter, bears S. 81°30' W., 96 links distant, marked T40SR1WS12BT.

A pinon pine, 3 ins. in diameter, bears N. 49°00' W., 41 links distant, marked BT.

No other suitable tree available for marking.

Land, rolling hills.  
Soil, shallow gravelly clay loam.  
Timber, dwarf juniper and pinon; undergrowth, sagebrush, shadscale, rabbit brush, weeds, and grass.

North, between sections 1 and 6.

Over mountainous land, through medium dense timber and scant undergrowth.

0.10 Small draw, drains N. 60° E., ascend 165 ft. along a SE. slope.

31.00 Top of ascent on an E. slope, descend 45 ft. along a NE. slope.

37.20 On the Cook's Comb, the divide between Cad's Crotch to the west and the Wahweap to the east, and bearing N. 20° E. and S. 20° W.:

Set an iron post, 3 ft. long and 1 in. in diameter, 10 ins. in the ground to solid rock, and in a mound of stone, for a witness  $\frac{1}{4}$  section corner of sections 1 and 6, with brass cap marked:

$\frac{1}{4}$   
S1 | S6  
WC  
1948

Deposit a sandstone rock, 7x5x3 ins., marked with a cross (X) at the base of the post. No suitable trees available for marking.

Descend 60 ft. along a broken NW. slope over ledges.

40.00 Point for the  $\frac{1}{4}$  section corner of sections 1 and 6 falls upon steeply sloping sandstone, where a corner monument cannot be perpetuated. Descend 410 ft. along a steep NW. slope over ledges.

77.00 Wash in the bottom of Cad's Crotch, drains N. 20° E., ascend 30 ft. along a SE. slope.

80.00 Point for the corner of township 40 south, ranges 1 east and 1 west:

Chains

ended

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

T398R1W  
536

S1 | S6  
R1W | R1E

T408  
1948

from which

A pinon pine, 10 ins. in diameter, bears S. 34°30' E., 57 links distant, marked T408R1E66BT.

A juniper, 4 ins. in diameter, bears S. 55°45' W., 13 links distant, marked BT.

Land, rough and broken mountain slopes.

Soil, rocky clay loam.

Timber, dwarf juniper and pinon; undergrowth, sagebrush, shadscale, weeds, and grass.

Survey of a Portion of the South Boundary of Section 36, Township 39 South, Range 1 West

Beginning at the corner of township 40 south, ranges 1 east and 1 west above described: Thence:

East, along the south boundary of section 36.

Over mountainous land, through medium dense timber and scant undergrowth; descend 35 ft. along a SE. slope.

0.95 Cad's Crotch, drains N. 35° E., ascend 370 ft. along a NW. slope over ledges.

12.60 High rock fin on the Cock's Comb bearing N. 20° E. and S. 20° W., descend 240 ft. over a broken E. slope.

46.54 To a point due south of the corner of townships 38 and 39 south, range 1 west; and point for the cor. of T. 39 S., R. 1 E. and 1 W.:

Set an iron post, 3 ft. long and 3 ins. in diameter, 28 ins. in the ground, with brass cap marked:

T398  
R1W | R1E  
836 | 831

S6

T408 R1E  
1948

from which

A pinon pine, bears East, 56 links distant, marked BT.

A juniper, 10 ins. in diameter, bears N. 61°45' W., 37 links distant, marked T398R1E56BT.

Land, rough and broken mountain slopes.

Soil, rocky clay loam.

Timber, dwarf juniper and pinon; undergrowth, sagebrush, shadscale, rabbit brush, weeds, and grass.

00.00

00.00

00.00

Salt Lake Meridian in Township 39 South

Chains

Survey of the Salt Lake Meridian in Township 39 South.

Beginning at the corner of township 39 south, ranges 1 east and 1 west

Thence:

North, between sections 31 and 36..

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

23.90 Leave timber and enter dense sagebrush, edge bears E. and W.

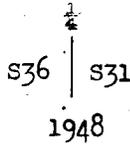
30.85 Wash, 1 chain wide and 15 ft. deep, drains E.

36.30 Leave sagebrush, reenter timber and undergrowth, edge bears E. and W.

38.65 Small draw, drains E.

40.00 Point for the 1/4 section corner of sections 31 and 36.

Set an iron post, 3 ft. long and 1 in. in diameter, 15 ins. in the ground to solid rock, and in a mound of stone, with brass cap marked:



from which,

A pinon pine, 6 ins. in diameter, bears N. 81°15' E., 91 links distant, marked 1/4S31BT.

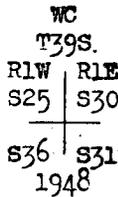
A pinon, pine, 6 ins. in diameter, bears S. 57°45' W., 71 links distant, marked 1/4S36BT.

Ascend 75 ft. along a SE. slope.

76.20 Low spur, projects S. 80° E., descend 55 ft. along a NE. slope.

78.50 Small draw, drains E., ascend 45 ft. along a SW. slope.

79.60 Set an iron post, 3 ft. long and 2 ins. in diameter, 28 ins. in the ground, for a witness section corner of sections 25, 30, 31, and 36, with brass cap marked:



from which,

A pinon pine, 8 ins. in diameter, bears S. 37°30' E., 59 links distant, marked XBT.

A juniper, 6 ins. in diameter, bears S. 72°00' W., 71 links distant, marked XBT.

80.00 Point for the corner of sections 25, 30, 31, and 36 falls upon steeply sloping sandstone, where a corner monument cannot be perpetuated: Cut a cross (X) in solid bedrock.

Land, rolling mountain slopes.

Soil, gravelly to rocky clay loam.

Timber, dwarf juniper and pinon; undergrowth, sagebrush, shadscale, weeds, and grass.

Chains

North, between sections 25 and 30

Over mountainous land, through medium dense timber and scant undergrowth; ascend 90 ft. along a general SE. slope.

2.70

Spur, projects E., descend 110 ft. along a NE. slope.

9.20

Draw, drains S. 80° E., ascend 155 ft. along a SE. slope.

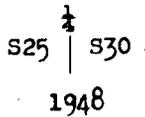
20.20

Cock's Comb, bears N. 30° E. and S. 10° W., descend 75 ft. along a NW. slope.

40.00

Point for the  $\frac{1}{4}$  section corner of sections 25 and 30:

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



from which,

A pinon pine, 12 ins. in diameter, bears S. 22°45' E., 22 links distant, marked  $\frac{1}{4}$ S30BT.

A juniper, 6 ins. in diameter, bears S. 52°00' W., 66 links distant, marked  $\frac{1}{4}$ S25BT.

Continue along a gentle NW. slope.

61.80

Ridge bears E. and W., descend 50 ft. along a NW. slope.

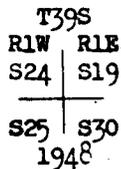
76.35

Cad's Crotch, drains S. 30° W. about 8 chains, thence W., ascend 25 ft. along a SE. slope.

80.00

Point for the corner of sections 19, 24, 25, and 30.

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



from which,

A pinon pine, 4 ins. in diameter, bears N. 65°15' E., 63 links distant, marked BT.

A pinon pine, 12 ins. in diameter, bears S. 35°45' E., 83 links distant, marked T39SR1ES30BT.

A pinon pine, 8 ins. in diameter, bears S. 10°00' W., 72 links distant, marked T39SR1WS25BT.

No other suitable tree available for marking.

Land, rough and broken mountain slopes.

Soil, gravelly to rocky clay loam.

Timber, dwarf juniper and pinon; undergrowth, sagebrush, shadscale, weeds, and grass.

North, between sections 19 and 24.

Over mountainous land, through medium dense timber and scant under-

- Chains**
- 14.85 West fin of Coaks Comb, bears S. 10° W. and E., descend 250 ft. along a NW. slope
- 24.80 Rocky draw, drains N. 60° W., ascend 225 ft. along a SW. slope.
- 34.80 Spur, projects W., descend 125 ft. along a NW. slope.
- 40.00 Point for the 1/2 section corner of sections 19 and 24:  
 Set an iron post, 3 ft. long and 1 in. in diameter, 30 ins. in the ground, with brass cap marked:
- |      |     |
|------|-----|
| S24  | S19 |
| 1948 |     |
- from which,
- A juniper, 6 ins. in diameter, bears N. 55° 15' E., 84 links distant, marked 1/2 S19BT.
- A pinon pine, 4 ins. in diameter, bears S. 49° 30' W., 18 links distant, marked BT.
- Descend 75 ft. along a NW. slope.
- 45.70 Head of draw draining SW., ascend 45 ft. along a S. slope.
- 48.30 Spur, projects SW., continue ascent of 65 ft. along a SW. slope.
- 55.30 Top of ascent on a W. slope, descend 160 ft. along a NW. slope.
- 57.15 Spur, projects W., continue descent of 105 ft. along a NW. slope.
- 65.00 Rocky draw, drains SW., ascend 145 ft. along a SW. slope.
- 71.80 Coal vein, about 15 ft. thick, bears N. 10° E. and S. 10° W.
- 77.80 Rocky spur, projects W. about 10 chs. to end, descend 25 ft. along a N. slope.
- 78.25 Set an iron post, 3 ft. long and 2 ins. in diameter, 25 ins. in the ground to solid rock, and in a mound of stone, for a witness section corner of sections 13, 18, 19, and 24, with brass cap marked:
- |      |     |
|------|-----|
| T39S |     |
| R1W  | R1E |
| S13  | S18 |
| S24  | S19 |
| WC   |     |
| 1948 |     |
- from which,
- A pinon pine, 14 ins. in diameter, bears S. 38° 00' E., 82 links distant, marked XBT.
- A pinon pine, 4 ins. in diameter, bears S. 33° 45' W., 61 links distant, marked XBT
- Descend 65 ft. along a steep NW. slope.
- 80.00 Point for the corner of sections 13, 18, 19, and 24 falls on steep slope of loose clay, where the monument cannot be perpetuated.
- Land, rough and broken mountain slopes.  
 Soil, sandy to rocky clay loam.  
 Timber, dwarf juniper and pinon; undergrowth, shadscale, rabbit brush weeds, and grass.

Chains	Description
	Beginning at the true point for the corner of sections 13, 18, 19, and 24: North, between sections 13 and 18. Over mountainous land, through medium dense timber and scant undergrowth; descend 115 ft. along a NW. slope.
5.90	Bend in canyon draining S. 30° W. from N. bears W. 30 links.
15.15	Enter wash, draining S. 5° W. from N.
16.30	Leave wash, drains S. from N. 15° W.
19.50	Small draw, drains S. 30° W. to main wash, ascend 65 ft. over a S. slope.
27.60	Spur, projects N. 70° W., descend 35 ft. along a NW. slope.
30.80	Draw, drains SW. about 4 chains thence SE., ascend 60 ft. along a SW. slope.
33.70	Spur, projects W. about 6 chains to junction with spurs projecting N. and S.
36.50	Head of small draw draining NW.
37.30	Small spur, projects N. 70° W., descend 45 ft. along a NW. slope.
39.62	Set an iron post, 3 ft. long and 1 in. in diameter, 20 ins. in the ground to solid rock, and in a mound of stone, for a witness $\frac{1}{4}$ section corner of sections 13 and 18, with brass cap marked: $\frac{1}{4}$ S13   S18 1948 from which, A juniper, 4 ins. in diameter, bears S. 80°00' E., 72 links distant, marked XBT. A juniper, 10 ins. in diameter, bears North, 39 links distant marked XBT.
40.00	Point for the $\frac{1}{4}$ section corner of sections 13 and 18 falls upon a steep slope of loose rock, where the monument cannot be perpetuated.
42.00	Small draw, drains NW., ascend 230 ft. along a SW. slope.
49.50	Spur, projects W., descend 50 ft. along a NW. slope.
66.20	Spur, projects S. 80° W., descend 100 ft. along a NW. slope.
74.00	Small draw, drains W., ascend along a gentle SW. slope.
79.50	Spur, projects W., descend 65 ft. along a steep NW. slope.
80.00	Point for the corner of sections 7, 12, 18, and 13: Set an iron post, 3 ft. long and 2 ins. in diameter, 30 ins. in the ground, with brass cap marked: T39S R1W   R1E S12   S17 S13   S18 1948 from which

Chains

A juniper, 24 ins. in diameter, bears N. 24°30' E., 44 links distant, marked T39SR1ES7BT.

A pinon pine, 16 ins. in diameter, bears S. 38°00' E., 27 links distant, marked T39SR1ES18BT.

A pinon, 10 ins. in diameter, bears S. 35°00' W., 57 links distant, marked T39SR1WS13BT.

No other suitable tree available for marking.

Land, rough and broken mountain slopes.

Soil, rocky-clay loam.

Timber, dwarf juniper and pinon; undergrowth, shadscale, weeds, and grass.

North, between sections 7 and 12.

Over mountainous land, through medium dense timber and scant undergrowth; descend 135 ft. along a NW. slope.

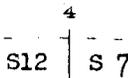
19.00 Draw, drains SW., ascend 165 ft. along a SE. slope.

30.65 Spur, projects SW., continue along a SW. slope.

37.45 Recross spur, projects SE., continue along a SE. slope.

40.00 Point for the section corner of sections 7 and 12:

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



1948

from which,

A juniper, 24 ins. in diameter, bears S. 87°15' E., 44 links distant, marked T39BT.

No other suitable tree available for marking.

40.65 Recross spur, projects SW., descend 75 ft. along a NW. slope.

46.15 Draw, drains NW., continue along a W. slope.

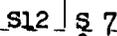
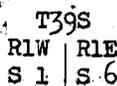
50.10 Draw, drains SW., ascend along a SE. slope.

57.50 Spur, projects S. 80° W., descend 45 ft. along a NW. slope.

77.55 Wash in the bottom of a shallow draw, drains W., ascend 15 ft. along a S. slope.

80.00 Point for the corner of sections 1, 6, 7, and 12:

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



1948

from which,

Chains

A juniper, 36 ins. in diameter, bears S. 8°15' E., 274 links distant, marked T39SRLES7BT.

The center of a windmill of the U.S.B.L.M. bears 20.16 chains S. 85°59' W.

No other suitable tree available for marking.

Land, rolling mountain slopes.

Soil, gravelly clay loam.

Timber, juniper; undergrowth, sagebrush, shadscale, weeds, and grass.

North, between sections 1 and 6.

Over gently rolling land, through widely scattered timber and medium dense undergrowth; ascend along a gentle S. slope.

16.90 Wash, 1 chain wide and 30 ft. deep, drains S. 30°W.

18.30 Recross wash, S. 30° W., from N. 30° W.

25.40 Recross wash, drains SW., continue along a gentle SE. slope.

39.42 The corner of townships 38 and 39 south, range 1 west, marked by an iron post, 3 ins. in diameter, firmly set in the ground, properly marked and witnessed as described in the official record.

Land, rolling bottom land.

Soil, sandy to gravelly clay loam.

Timber, dwarf juniper; undergrowth, sagebrush, shadscale, weeds, and grass.

General Description

In the southern part of township 40 south the line follows along the rough breaks on the east side of Coyote Canyon, crossing this canyon near the head of the box just south of the  $\frac{1}{4}$  section corner of sections 19 and 24. North of this point the line ascends over rolling land on the east side of the Cock's Comb, crossing the east fin at the witness  $\frac{1}{4}$  section corner of sections 1 and 6, and then descending into Cad's Crotch. The northwest corner of township 40 south, range 1 east is located just north of the wash in the Crotch. The south boundary of township 39 south, range 1 west, on the offset in the Meridian, again crosses the wash and the east fin of the comb, and the southeast corner of township 39 south, range 1 west lies in the rolling country to the east. In township 39 south the meridian again ascends along the east side of the Comb, crossing the east fin about a quarter of a mile north between sections 25 and 30, the Crotch just south of the corner of sections 19, 24, 25, and 30, and the west fin of the Comb about fifteen chains north of the same corner. From here north the line follows along the west breaks of the Comb, gradually descending into the lower country. The line between sections 1 and 6 is in gently rolling bottom land.

The soil varies from a shallow sandy loam on the slopes to a deep, heavy clay in the bottom. The timber consists of dwarf juniper and pinon pine, and the undergrowth of sagebrush, shadscale, weeds and grass.

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

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of September, 1936,

I have surveyed the Salt Lake Meridian in Townships 39 and 40 South

of the \_\_\_\_\_ 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  
November 30, 1948

Robert C. Yundt  
Robert C. Yundt  
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,  
Washington, D. C., March 3, 1952

The foregoing field notes of the survey of the Salt Lake Meridian in Townships 39 and 40 South

executed by Robert C. Yundt, Cadastral Engineer having been critically examined and found correct, are hereby approved.

Donald O. Crenshaw  
Chief, Branch of Engineering and Construction  
Acting Chief, Division of Cadastral Engineering

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

FIELD ASSISTANTS

NAMES	CAPACITY
Fred B. Chappell	Principal Assistant
Albert W. Boyd	Chairman
Merrill D. Whittier	Chairman
Dean C. Jensen	Flagman
Richard A. Harries	Cornerman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Original

# FIELD NOTES

of the

Survey of the East Boundary

and a

Portion of the Subdivision

of

Township 40 South, Range 1 East

Of the Salt Lake Meridian,

In the State of Utah

## EXECUTED BY

Robert C. Yundt, Cadastral Surveyor (Chief of Party)

Fred R. Chappell, Cadastral Surveyor

Kenneth D. Witt, Cartographic Survey Aid

Under special instructions dated June 25, 1956, which provided  
for the surveys included under Group No. 409, approved June 28, 1956  
and assignment instructions dated July 2, 1956

Survey commenced July 30, 1956

Survey completed September 4, 1956

# INDEX DIAGRAM

Township 40 South, Range 1 East

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		13			
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	17				7
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2167

## Township 40 South, Range 1 East

Chains

The south boundary of this township was surveyed by Rathbone and Bolinger in 1917. The west boundary was surveyed by Robert C. Yundt in 1948. The north boundary was surveyed concurrently under this same group and the record appears in the field notes of T. 39 S., R. 1 E.

The following field notes are those of a survey of the east boundary and that part of the subdivision considered sufficient in extent to facilitate the development of the natural resources and to identify the boundaries of those sections normally considered as State school land.

The corners along the latitudinal section lines were established on the true latitudinal curve, and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the entire township had been subdivided.

The survey was executed with Gurley solar transit No. 541327, property of the U. S. Bureau of Land Management and constructed in accordance with their standard specifications. The horizontal plate has two double verniers placed opposite to each other and graduated to 30 seconds of arc. The instrument has a full vertical circle with one double vernier graduated to single minutes of arc. It is equipped with improved type solar attachment. Since this solar attachment was not used, no description of it will be included here. The instrument was in good adjustment, and prior to the beginning of the field work it was examined and all errors eliminated. It was maintained in proper adjustment throughout the survey.

The geographic position of the southeast corner of the township, determined from data obtained from U. S. Geological Survey, is as follows: latitude  $37^{\circ} 16' 57''$  N., longitude  $111^{\circ} 44' 30''$  W. The mean magnetic declination was found to be  $15^{\circ} 15'$  East.

The directions of the lines of the survey were determined by reference to true meridian lines established on line by Polaris observations. The lines were carried forward as transit lines and checked by succeeding observations.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a 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 horizontal equivalents which appear in these notes. In most cases the measurements were determined by chaining, but in some instances they were obtained by triangulation and others by traverses and offsets. The details of these were verified and the true line distances only are reported in these field notes.

## East Boundary of T. 40 S., R. 1 E.

Beginning at the standard cor. of Ts. 40 S., Rs. 1 and 2 E., mkd. by an iron post, 3 ins. diam., conforming to the record.

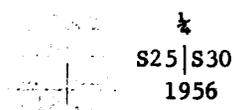
Thence

North, bet. secs. 31 and 36.

Chains		mtd
	Over mountainous land, through scattered timber and a medium dense undergrowth; desc. over broken N. slope.	
15.90	Small drain, course NE.	
17.50	S. rim of box canyon which drains E.	
25.50	N. rim of box canyon.	
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 31 and 36.	
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground with mound of stone to cap, with brass cap mkd.	
	$\begin{array}{c} S36   S31 \\ 1956 \end{array}$	
	From which	
	A pinon, 12 ins. diam., bears N. $16\frac{1}{2}^{\circ}$ E., 54 lks. dist., mkd. $\frac{1}{2}$ S31 BT.	
	A pinon, 10 ins. diam., bears N. $26\frac{1}{2}^{\circ}$ W., 54 lks. dist., mkd. $\frac{1}{2}$ S36 BT.	
67.00	Draw, course E.	
80.00	Point for the cor. of secs. 25, 30, 31 and 36.	
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.	
	$\begin{array}{c} T40S \\ R1E   R2E \\ \hline S25   S30 \\ \hline S36   S31 \\ 1956 \end{array}$	
	from which	
	A scrub pinon, bears N. $26\frac{1}{2}^{\circ}$ W., 31 lks. dist., mkd. BT.	
	A scrub pinon, bears S. $54^{\circ}$ W., 78 lks. dist., mkd. BT.	
	Land, broken mesa land.	
	Soil, sandy clay loam.	
	Timber, medium dense growth of juniper and pinon.	
	Undergrowth, scant growth of mountain rush and blackbrush.	
	North, bet. secs. 25 and 30.	
	Over broken mesa land, through scattered timber.	
18.60	Spur which projects E.	
22.00	Bottom of box canyon, course SE.; asc. 170 ft. over S. slope.	
40.00	Point for the $\frac{1}{2}$ sec. cor. of secs. 25 and 30.	
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground with a mound of stone to top, with brass cap mkd.	

East Boundary of T. 40 S., R. 1 E.

Chains



from which

A pinon, 12 ins. diam., bears S.  $73\frac{1}{2}^{\circ}$  E., 74 lks. dist., mkd.  $\frac{1}{4}$  S30 BT.

A pinon, 10 ins. diam., bears N.  $14\frac{1}{4}^{\circ}$  W., 53 lks. dist., mkd.  $\frac{1}{4}$  S25 BT.

56.00 Draw, course NE.

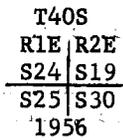
63.00 Spur, projecting N.  $20^{\circ}$  E.

67.30 Gulch, course NE.

78.50 Draw, course E.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.



Land, mountainous and broken.  
Soil, sandy clay.  
Timber, juniper and pinon.  
Undergrowth, blackbrush and sagebrush.

North, bet. secs. 19 and 24.

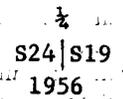
Over mountainous land, through medium dense timber.

5.20 Draw, course S.  $40^{\circ}$  E.

28.50 Draw, course E.

40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.



49.50 Small draw, course S.  $40^{\circ}$  E.

78.20 Draw, course W.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground with brass cap mkd.

Chains

Station

T40S  
 R1E | R2E  
S13 | S18  
 S24 | S19  
 1956

from which

A juniper, 12 ins. diam., bears N. 69½° E., 62 lks. dist.,  
 mkd. T40S R2E S18 BT.

A juniper, 6 ins. diam., bears N. 19½° W., 91 lks. dist.,  
 mkd. T40S R1E S13 BT.

Land, mountainous and broken.  
 Soil, sandy clay loam.  
 Timber, juniper and pinon.  
 Undergrowth, blackbrush and sagebrush.

North, bet. secs. 13 and 18.

Over mountainous land, through medium dense timber.

37.40

S. rim of canyon, bears E. and W.; desc. to cor.

40.00

Point for the ¼ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut  
 in solid surface rock, and in a mound of stone, with brass cap mkd.

¼  
 S13 | S18  
 1956

50.10

Bottom of draw, course W.

59.80

N. rim of canyon, bears E. and W.

80.00

Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the  
 ground, surrounded by a collar of stone, with brass cap mkd.

T40S  
 R1E | R2E  
S12 | S7  
 S13 | S18  
 1956

Land, mountainous and broken.  
 Soil, sandy clay loam.  
 Timber, dense growth of juniper and pinon.  
 Undergrowth, bitterbrush, blackbrush, and sagebrush.

North, bet. secs. 7 and 12.

Over mountainous land, through medium dense timber.

3.85

S. rim of canyon, bears E. and W.

20.60

Draw, in bottom of canyon, course W.

Chains

28.50 Spur, projecting W.; desc. 270 ft. to corner.  
 40.00 Point for the  $\frac{1}{4}$  sec. cor. of secs. 7 and 12.  
 Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 6 ins. in the ground, with a mound of stone to cap, with brass cap mkd.

$\frac{1}{4}$   
 S12 | S7  
 1956

40.90 Draw, in bottom of canyon, course W.; asc. 310 ft. to spur.

51.30 Spur which projects W.; desc. 430 ft. to large draw.

75.40 Draw, course W.

80.00 Point for the cor. of secs. 1, 6, 7, and 12.

Under rim of spur which projects W., set a brass tablet, drilled in a hole in solid sandstone, with tablet mkd.

T40S  
 R1E | R2E  
 S1 | S6  
 S12 | S7  
 1956

from which

A pinon, 14 ins. diam., bears S.  $81\frac{1}{2}^\circ$  E., 49 lks. dist., mkd. T40S R2E S7 BT.

A pinon, 6 ins. diam., bears S.  $80\frac{1}{4}^\circ$  W., 50 lks. dist., mkd. T40S R1E S12 BT.

Land, mountainous and broken.

Soil, sandy clay.

Timber, medium growth of juniper and pinon.

Undergrowth, bitterbrush and blackbrush.

North, bet. secs. 1 and 6.

Over mountainous land, through medium dense timber; desc. 400 ft. into canyon.

15.50 Draw, in bottom of Tommy Canyon, course W.

22.50 Tommy Canyon, course SE.

40.00 Spur, which projects W.

Point for the  $\frac{1}{4}$  sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 16 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

$\frac{1}{4}$   
 S1 | S6  
 1956

46.00 Draw, course W.



Chains

80.00 Point for the cor. of secs. 25, 26, 35 and 36, falls on SW. slope, at the base of small cliff.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, with brass cap mkd.

T40S R1E

S26 | S25

S35 | S36

1956

Land, mountainous and broken.  
Soil, sandy clay.  
Timber, scant growth of juniper and pinon.  
Undergrowth, blackbrush and sagebrush.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp. S. 89° 57' W., bet. secs. 25 and 36.

Over mesa land, through medium growth of timber.

34.75 Point for the witness ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.

¼  $\frac{S25}{S36}$  WC

.1956.

34.90 High rim of Wahweap Canyon, bears N. and S.; desc. 800 ft. to sec. cor.

40.09 True point for the ¼ sec. cor. of secs. 25 and 36, falls where the cor. cannot be perpetuated.

80.18 The cor. of secs. 25, 26, 35 and 36.

Land, mountainous and broken.  
Soil, sandy clay.  
Timber, scant growth of juniper and pinon.  
Undergrowth, blackbrush and sagebrush.

From the standard cor. of secs. 33 and 34, on the S. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., conforming to the record.

N. 0° 02' W., bet. secs. 33 and 34.

Over mountainous land, through scattered timber.

9.20 Wash, course S. 20° E.

21.10 Rim, 60 ft. high, bears E. and W.; asc. 190 ft. over S. slope.

28.60 Spur, projects E.

40.00 Point for the ¼ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.

Chains

00.00

T40S R1E  
S33|S34  
1956

Asc. 160 ft. along E. slope.

80.00

Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 36 ins. long, 1 in. diam., 8 ins. in the ground, and in a mound of stone, with brass cap mkd.

T40S R1E  
S28|S27  
S33|S34  
1956

Land, broken and mountainous.  
Soil, sandy clay.  
Timber, scattered growth of juniper and pinon.  
Undergrowth, mountain rush and blackbrush.

N. 0° 02' W., bet. secs. 27 and 28.

Over mountainous land, through scattered timber.

6.50

Wash, in bottom of canyon, course SE.

39.00

Small wash, in bottom of canyon, course SE.

40.00

Point for the 1/2 sec. cor. of secs. 27 and 28, falls on rocky SW. slope.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.

S28|S27  
1956

46.70

Sandstone ledge, 60 ft. high, bears SE. and NW.; asc. 390 ft. over SW. slope to canyon rim.

66.10

Rim of canyon, bears NE. and SW.

80.00

Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 6 ins. in the ground, and in a mound of stone, with brass cap mkd.

T40S R1E  
S21|S22  
S28|S27  
1956

Land, broken mesa area.  
Soil, sandy clay.  
Timber, medium growth of juniper and pinon.  
Undergrowth, scattered growth of blackbrush and sagebrush.

N. 0° 02' W., bet. secs. 21 and 22.

N. I. R. Part of the Subdivision, T. 40 S., R. 1 E.

Chains	
40.00	<p>Over level mesa land, desc. 100 ft. to <math>\frac{1}{4}</math> sec. cor.  Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 21 and 22.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., 8 ins. in the ground, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;"><math>\frac{1}{4}</math>  S21   S22  1956</p>
59.50	Rim of canyon, bears E. and W.
73.00	(Approximate distance) Wash, in bottom of canyon, course E.
80.00	<p>True point for the cor. of secs. 15, 16, 21 and 22, falls on steep rocky slope, where the cor. cannot be perpetuated.</p> <p>Land, broken mesa land.  Soil, sandy clay.  Timber, dense growth of juniper and pinon.  Undergrowth, scant growth of blackbrush and sagebrush.</p>
2.54	<p>N. <math>0^{\circ} 02' W.</math>, bet. secs. 15 and 16.</p> <p>Over broken mesa land, through dense timber,</p> <p>Point for the witness cor. of secs. 15, 16, 21 and 22.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.</p>
40.00	<p style="text-align: center;">W C  T40S R1E  S16   S15  S21   S22  1956</p> <p>Desc. 80 ft. to the <math>\frac{1}{4}</math> sec. cor.</p> <p>Point for the <math>\frac{1}{4}</math> sec. cor. of secs. 15 and 16.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.</p> <p style="text-align: center;"><math>\frac{1}{4}</math>  S16   S15  1956</p>
40.30	Rim of canyon, bears E. and W.
51.00	(Approximate distance) Wash, in bottom of canyon, course E.
61.00	Rim of canyon, bears E. and W.
79.90	<p>Point for the witness cor. of secs. 9, 10, 15 and 16.</p> <p>Set an iron post, 30 ins. long, <math>2\frac{1}{2}</math> ins. diam., over a cross (X) cut in solid surface rock, and in a mound of stone, with brass cap mkd.</p>

Chains

T40S R1E

S9|S10

S16|S15

W C

1956

from which

A pinon, 8 ins. diam., bears N. 20½° E., 87 lks. dist.,  
mkd. T40S R1E S10 BT.

A pinon, 6 ins. diam., bears N. 30½° W., 34 lks. dist.,  
mkd. T40S R1E S9 BT.

80.00

True point for the cor. of secs. 9, 10, 15 and 16, falls on a ledge where the cor. cannot be perpetuated. Cut a cross (X) in sandstone at the corner point.

Land, broken mesa land.  
Soil, sandy clay.  
Timber, dense growth of juniper and pinon.  
Undergrowth, scant growth of blackbrush and sagebrush.

N. 0° 02' W., bet. secs. 9 and 10.

Over broken mesa land, through dense timber.

15.50

Rim of canyon, bears SE. and NW.

30.00

(Approximate distance): Wash, in bottom of canyon, course SE.

40.00

Point for the ¼ sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, surrounded by a mound of stone, with brass cap mkd.

¼

S9|S10

1956

Asc. S. slope.

44.00

Rim of canyon, bears E. and W.

79.80

Point for the witness cor. of secs. 3, 4, 9 and 10.

Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground, and in a mound of stone, with brass cap mkd.

T40S R1E

S4|S3

S9|S10

W C

1956

80.00

True point for the cor. of secs. 3, 4, 9 and 10, falls on ledge where the monument cannot be perpetuated. Cut a cross (X) in sandstone at the true corner point.

Land, broken mesa land.  
Soil, sandy clay.  
Timber, dense growth of juniper and pinon.  
Undergrowth, scant growth of blackbrush and sagebrush.

## Portion of the Subdivision, T. 40 S., R. 1 E.

Chains	
	N. 0° 02' W., bet. secs. 3 and 4.
12.50	(Approximate distance) Wash, in bottom of canyon, course SE.
21.80	Rocky spur, projects E.; desc. 300 ft. into Wahweap Canyon.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. $\frac{1}{4}$ S4 S3 1956
62.50	Corner is set approximately 2.00 chs. W. of wash in Wahweap Canyon. Wahweap Wash, 15 lks. wide, 3 ins. deep, course SE.; asc. SW. slope of canyon wall.
79.88	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., mkd. by an iron post, 2 $\frac{1}{2}$ ins. diam., described in the field notes of T. 39 S., R. 1 E., surveyed concurrently under this same group. Land, broken mesa land. Soil, sandy clay. Timber, dense growth of juniper and pinon. Undergrowth, scant growth of blackbrush and sagebrush.
	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., mkd. by an iron post, 2 $\frac{1}{2}$ ins. diam., described in the field notes of T. 39 S., R. 1 E., surveyed concurrently under this same group.
	S. 0° 01' E., bet. secs. 1 and 2. Over mountainous land, through medium dense timber. Asc. 80 ft. along NW. slope.
38.00	Draw, course W.
39.90	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., 6 ins. in the ground, and in a large mound of stone, with brass cap mkd. $\frac{1}{4}$ S2 S1 1956
	from which A pinon, 3 ins. diam., bears N. 85° E., 63 lks. dist., mkd. BT. A pinon, 8 ins. diam., bears S. 69 $\frac{1}{2}$ ° W., 43 lks. dist., mkd. $\frac{1}{4}$ S2 BT.
70.00	Draw, course W.
79.90	Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground and in a large mound of stone, with brass cap mkd.

T40S R1E  
 S2|S1  
 S11|S12  
 1956

from which

A pinon, 3 ins. diam., bears S. 84° E., 84 lks. dist., mkd. BT.

A pinon, 8 ins. diam., bears S. 17° W., 83 lks. dist., mkd. T40S R1E S11 BT.

Land, rolling and broken.  
 Soil, sandy clay.  
 Timber, medium growth of juniper and pinon.  
 Undergrowth, scattered growth of bitter brush and blackbrush.

West, bet. secs. 2 and 11.

Over mountainous land, through scattered timber.

26.80 Draw, drains N. 30° W. into canyon draining W.

32.65 Rim of canyon, bears N. and S.

40.00 Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone to cap, with brass cap mkd.

¼  $\frac{S 2}{S 11}$   
 1956

from which

A pinon, 6 ins. diam., bears S. 31¼° W., 37 lks. dist., mkd. ¼ S11 BT.

A pinon, 3 ins. diam., bears N. 39¼° W., 116 lks. dist., mkd. BT.

55.10 Rim of canyon, bears NE. and SW.

71.50 Draw, course S. 20° W.

80.00 True point for the cor. of secs. 2, 3, 10 and 11, falls on steep rocky SE. slope, where it is impractical to monument the corner.

At a point 2.90 chs. W., point selected for the witness cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, surrounded by a large mound of stone, with brass cap mkd.

T40S R1E  
 S3|S2  
 S10|S11 MC  
 1956

Portion of Subdivision, T. 40 S., R. 1 E.

Chains

from which

A pinon, 3 ins. diam., bears S. 72½° W., 43 lks. dist., mkd. X BT.

Land, mountainous and broken.

Soil, sandy clay loam.

Timber, scattered growth of juniper and pinon.

Undergrowth, scattered growth of bitterbrush and silver leaf.

From the true point for the cor. of secs. 2, 3, 10 and 11.

N. 0° 03' W., bet. secs. 2 and 3.

Over mountainous land, through scattered timber; asc. steep SE. slope on side of spur; thence asc. general S. slope.

40.00

Point for the ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, surrounded by a large mound of stone, with brass cap mkd.

¼ S3|S2  
1956

Asc. S. slope to cor.

79.63

The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp., mkd. by an iron post, 2½ ins. diam., described in the field notes of T. 39 S., R. 1 E., surveyed concurrently under this same group.

Land, mountainous and rolling.

Soil, sandy clay loam.

Timber, scattered juniper and pinon.

Undergrowth, bitterbrush and silver leaf.

From the true point for the cor. of secs. 15, 16, 21 and 22, which is 2.54 chs. S00E of the witness corner.

West, bet. secs. 16 and 21.

Over mountainous land, through scattered timber.

17.50

Rim of canyon, bears NE. and SW.; thence across flat top mesa, covered with juniper and pinon.

40.00

Point for the ¼ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, surrounded by a large mound of stone, with brass cap mkd.

¼ S16  
S21  
1956

from which

A pinon, 8 ins. diam., bears S. 59½° W., 30 lks. dist., mkd. ¼ S21 BT.

A pinon, 10 ins. diam., bears N. 53° W., 65 lks. dist., mkd. ¼ S16 BT.

Portion of the Subdivision, T40S R1E, E. 1 E.

Chains	Wash, 40 lks. wide, 1 ft. deep, course N. 20° E.								
59.30									
76.30	Wash, 30 lks. wide, 1 ft. deep, course NE.								
80.00	Point for the cor. of secs. 16, 17, 20 and 21.								
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.								
	<table border="0"> <tr><td colspan="2">T40S R1E</td></tr> <tr><td>S17</td><td>S16</td></tr> <tr><td>S20</td><td>S21</td></tr> <tr><td colspan="2">1956</td></tr> </table>	T40S R1E		S17	S16	S20	S21	1956	
T40S R1E									
S17	S16								
S20	S21								
1956									
	from which								
	A juniper, 12 ins. diam., bears N. 55½° E., 69 lks. dist., mkd. T40S R1E S16 BT.								
	A juniper, 12 ins. diam., bears S. 57½° E., 64 lks. dist., mkd. T40S R1E S21 BT.								
	Land, mountainous in eastern portion, mesa land in western part. Soil, sandy clay loam. Timber, medium dense growth of juniper and pinon. Undergrowth, scattered growth of bitterbrush and sagebrush.								
	N. 0° 03' W., bet. secs. 16 and 17.								
	Over level mesa land, through dense timber.								
1.40	Small wash, course E.								
21.10	Wash, 30 lks. wide, 1 ft. deep, course E.								
30.80	Small wash, course NE.								
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.								
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, surrounded by a large mound of stone, with brass cap mkd.								
	<table border="0"> <tr><td colspan="2">¼</td></tr> <tr><td>S17</td><td>S16</td></tr> <tr><td colspan="2">1956</td></tr> </table>	¼		S17	S16	1956			
¼									
S17	S16								
1956									
	from which								
	A pinon, 12 ins. diam., bears S. 75½° E., 39 lks. dist., mkd. ¼ S16 BT.								
	A pinon, 16 ins. diam., bears N. 73½° W., 40 lks. dist., mkd. ¼ S17 BT.								
80.00	Point for the cor. of secs. 8, 9, 16 and 17.								
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, surrounded by a large mound of stone, with brass cap mkd.								
	<table border="0"> <tr><td colspan="2">T40S R1E</td></tr> <tr><td>S8</td><td>S9</td></tr> <tr><td>S17</td><td>S16</td></tr> <tr><td colspan="2">1956</td></tr> </table>	T40S R1E		S8	S9	S17	S16	1956	
T40S R1E									
S8	S9								
S17	S16								
1956									

Portion of the Subdivision, T. 40 S., R. 1 E.

Chains

from which

A pinon, 14 ins. diam., bears N. 44 1/2° E., 92 lks. dist., mkd. T40S R1E S9 BT.

A pinon, 18 ins. diam., bears S. 41 1/2° E., 38 lks. dist., mkd. T40S R1E S16 BT.

A pinon, 18 ins. diam., bears S. 15 1/2° W., 49 lks. dist., mkd. T40S R1E S17 BT.

A pinon, 12 ins. diam., bears N. 9° W., 14 lks. dist., mkd. T40S R1E S8 BT.

Land, level mesa.  
Soil, sandy clay loam.  
Timber, dense growth of juniper and pinon.  
Undergrowth, scant growth of bitterbrush and sagebrush.

From the true point for the cor. of secs. 9, 10, 15 and 16, which is 0.10 chs. N002 1/2 of the witness corner.

S. 89° 57' W., bet. secs. 9 and 16.

Over rolling mesa land, through medium dense timber.

40.03

Point for the 1/4 sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

1/4 S 9  
S16  
1956

Deposit a sandstone rock, 4x3x3 ins., mkd. with a cross (X) at the base of the post.

80.06

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

Land, rolling mesa.  
Soil, sandy clay loam.  
Timber, medium dense growth of juniper and pinon.  
Undergrowth, scant growth of bitterbrush and sagebrush.

From the standard cor. of secs. 32 and 33, on the S. bdy. of the township, mkd. by an iron post, 2 ins. diam., conforming to the record.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken land, through scattered timber.

37.00

Point for the witness 1/4 sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2 1/2 ins. diam., over a cross (X) cut in solid surface rock, and in a large mound of stone, with brass cap mkd.

W C  
1/4  
S32 | S33  
1956

Chains

37.20  
40.00  
50.00  
62.50  
80.00

Rim of canyon, bears E. and W.  
True point for the  $\frac{1}{4}$  sec. cor. of secs. 32 and 33, falls on steep rocky N. slope, where it is impractical to monument the corner.  
(Approximate distance) Wash, in bottom of canyon, course E.  
N. rim of canyon, bears NE. and SW.  
Point for the cor. of secs. 28, 29, 32 and 33.  
Set an iron post, 30 ins. long,  $2\frac{1}{2}$  ins. diam., 20 ins. in the ground, surrounded by a collar of stone, with brass cap mkd.

T40S R1E  
S29 | S28  
S32 | S33  
1956

from which  
A juniper, 12 ins. diam., bears S.  $11\frac{1}{2}^{\circ}$  E., 61 lks. dist., mkd. T40S R1E S33 BT.  
A juniper, 14 ins. diam., bears N.  $38\frac{1}{2}^{\circ}$  W., 58 lks. dist., mkd. T40S R1E S29 BT.

Land, broken and rolling.  
Soil, sandy clay loam.  
Timber, medium growth of juniper and pinon.  
Undergrowth, medium growth of bitterbrush and sagebrush.

From the standard cor. of secs. 31 and 32, on the S. bdy. of the Tp., mkd. by an iron post, 2 ins. diam., conforming to the record.  
N.  $0^{\circ} 03'$  W., bet. secs. 31 and 32.

11.90  
35.60  
40.00  
40.90  
45.90  
75.30

Over mountainous land, through medium dense timber; asc. 150 ft. over S. slope.  
Rim of canyon, bears E. and W.; thence across flat top mesa.  
S. rim of canyon, bears E. and W.; desc. 180 ft.  
Point for the  $\frac{1}{4}$  sec. cor. of secs. 31 and 32.  
Set an iron post, 36 ins. long, 1 in. diam., 8 ins. in the ground, and in a large mound of stone, with brass cap mkd.

$\frac{1}{4}$   
S31 | S32  
1956

Deposit a sandstone rock, 4x3x3 ins., mkd. with a cross (X) at the base of the post.  
Wash, in bottom of canyon, course W.; asc. 150 ft. over S. slope.  
N. rim of canyon, bears E. and W.; desc. 160 ft. over gradual N. slope to corner.  
Head of draw, course NE.

Portion of the Subdivision, T. 40 S., R. 1 E.

Chains

80.00

True point for the cor. of secs. 29, 30, 31 and 32, falls on steep clay slope, where it is impractical to monument the corner.

Land, mountainous.

Soil, sandy clay.

Timber, medium growth of juniper and pinon.

Undergrowth, scattered growth of sagebrush and bitterbrush.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 58' W., bet. secs. 29 and 32.

Over level mesa land, through dense timber.

20.80

Leave timber; enter sagebrush flat.

30.50

Enter timber.

40.00

Point for the 1/4 sec. cor. of secs. 29 and 32.

Set an iron post, 36 ins. long, 1 in. diam., 12 ins. in the ground, surrounded by a large mound of stone, with brass cap mkd.

1/4 S29  
S32  
1956

Deposit a sandstone rock, 4x3x3 ins., mkd. with a cross (X) at the base of the post.

73.30

Rim of draw, bears N. and S.

75.00

Wash, course NW.

78.10

Small spur, projecting N.

79.41

Point selected for the witness cor. of secs. 29, 30, 31 and 32.

Set an iron post, 36 ins. long, 1 in. diam., in a large mound of stone, with brass cap mkd.

T40S R1E  
S30|S29  
WC ← S31|S32  
1956

80.00

The true point for the cor. of secs. 29, 30, 31 and 32.

Land, level mesa in eastern portion, broken in extreme western part.  
Soil, sandy clay loam.

Timber, medium growth of juniper and pinon.

Undergrowth, medium growth of sagebrush and scant growth of bitterbrush.

Chains

anted 3

General Description

00.08

The land in the township varies from broken mountains in the east half to rolling mesas in the west half. The township is drained by Tommy and Wahweap Canyons which drain easterly toward the Colorado River. The soil is mostly a sandy clay loam.

There is a medium dense growth of juniper and pinon over most of the township. The undergrowth is mainly sagebrush, blackbrush, and bitterbrush, with a lesser amount of mountain rush, silver leaf, and weeds.

There are no permanent habitations in the township.

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4-880  
(Feb., 1980)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Neil R. Forsyth	Principal Assistant
Paige L. Cannon	Chainman
Rulon S. Ellett	Flagman
Henry B. Pedersen	Axeman
Richard R. Torgeson	Axeman
Vergean Porter	Cornerman
Deon J. Allen	Principal Assistant
Robert L. Porter	Chainman
Alan Moyse	Flagman
C. Rand Burr	Cornerman
Wally Hill	Cornerman
Kay Prince	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, We, Kenneth D. Witt and Fred R. Chappell, HEREBY CERTIFY upon honor that, we have surveyed the east boundary and a portion of the subdivision of T. 40 S., R. 1 E.,

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.

Salt Lake City, Utah
March 26, 1957

Kenneth D. Witt, Cartographic Surveyor
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, Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 25th day of June, 1956,

I have ~~employed~~ supervised the survey of the east boundary and a portion of the subdivision of T. 40 S., R. 1 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~~ <sup>under my supervision</sup>; 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

March 26, 1957

  
Robert C. Yundt  
Cadastral Surveyor

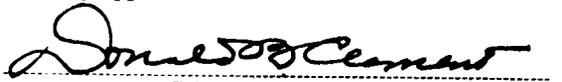
### CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 13 1957, 1957

The foregoing field notes of the survey of the east boundary and a portion of the subdivision of T. 40 S., R. 1 E., Salt Lake Meridian, Utah

executed by Fred R. Chappell and Kenneth D. Witt, under the supervision of Robert C. Yundt having been critically examined and found correct, are hereby approved.

  
Chief, Division of Cadastral Engineering  
Acting 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~~

FIELD NOTES

OF THE SURVEY OF THE

Tract of 160 acres separating the Barokoni  
(Rainbow) Natural Bridge, in the Piute Indian  
Reservation

of the

State of *Arizona*

Meridian,

AS SURVEYED BY

*Special Instructions*

United States Deputy Surveyor,

Under his ~~Contract No.~~

dated *Oct 20th, 1906* and *July 30, 1907*

Survey commenced *August 14*

1907

Survey completed *August 18*

1907

(See *Book No. 100*)

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Mangulation from Borob

Measurement of White

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Astronomical observ

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boundary Five Mile Cor

Lat. and Long. of the "

Inscription House Chim

Description of instr

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Astronomical observ

East boundary of

North "

West "

South "

Monument of Insc

" " Sou

Final outline of co

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all the foregoing

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NAMES AND DUTIES OF ASSISTANTS.

John R. Beagle	Shannon & Mendenhall
F. Jean Rogerson	" "
Jim ("Miki Boy") Piute Indian	Arrow
Daniel Perkins	Arrow and Plagman
John Keenan	Plagman

1  
8

PRELIMINARY OATHS OF ASSISTANTS.

We, John R. English and F. Jean Rogerson  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the  
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that  
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of  
the Basothoani (Rainbow) National Bridge, Pailite Indian Reservation, Utah

John R. English Chainman.  
F. Jean Rogerson Chainman.

Subscribed and sworn to before me this 14th  
day of August 1909

Wm B Douglas



We, John R. English and F. Jean Rogerson  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of  
the Basothoani (Rainbow) National Bridge, Pailite Indian Reservation, Utah

John R. English Moundman.  
F. Jean Rogerson Moundman.

Subscribed and sworn to before me this 14th  
day of August 1909

Wm B Douglas



We, J. J. Jinn  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Witness - John R. English Jinn his  
mark Axman.  
Axman.

Subscribed and sworn to before me this 14th  
day of August 1909

Wm B Douglas



We, Daniel Perkins and John Keenan do solemnly swear that we will well and truly  
perform the duties of flagman according to instructions given us, to the best of our skill and ability, in the  
survey of the Basothoani (Rainbow) National Bridge, Pailite Indian Reservation, Utah

Daniel Perkins Flagman

Subscribed and sworn to before me this 14th  
day of August 1909

John Keenan  
Wm B Douglas



Survey of the Bar-o-hi-ni (Rainbow) Natural Bridge commenced Aug. 14, 1909, and executed with a Young & Sons solar transit No 8292. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the declination and latitude arcs. I examined the adjustments of the transit and find them satisfactory.

At my station at the bridge, approximate longitude  $110^{\circ}57' W.$  of Greenwich, I determine an approximate meridian with the magnetic needle of my transit. At apparent noon I observe the Sun on the approximate meridian at its highest elevation. Its altitude is  $69^{\circ}20'$  from which I deduct the north declination for noon Aug. 14, which when corrected for refraction, is  $14^{\circ}24'$  giving me  $52^{\circ}56'$  for the co-latitude, or  $37^{\circ}04' N.$  for the latitude of my location.

I found to measure the natural bridge as follows:

Beginning at the S.W. side of the arch or span, I chain  $\times 58^{\circ} E$  under arch of bridge,

60 ch. below 74 ft. high, 3 men  
6 ft. wide, 4 in. deep at riffles  
and 2 ft. deep in pools, in bottom  
of gulch, course N.W.

2.22 ch. N. side of gulch,

4.15 $\frac{1}{2}$  ch. N. side of span,

all chaining with a  $2^{\circ}$  ascending slope.

(Note. Span re-measured Oct. 22, 1909  
more directly <sup>under</sup> ~~with~~ arch with the  
true axis of bridge, as determined by  
astronomical observation,  $58^{\circ} N$   
4.22 ch. with descending slope of  $2^{\circ}$ )

I measure a base at right angle  
with the axis of the bridge from the  
2.35 ch. point, N.  $56^{\circ}5'$  W. 12.53 ch.

to the point from which the highest  
 point of the bridge bears  $S 33^{\circ} 20' E$   
 with angle of elevation of  $15^{\circ} 15'$   
 Angle of depression to under edge of arch is  $12^{\circ} 30'$   
 The ~~base~~ <sup>base</sup> constant for the deflection is  
 $2^{\circ} 40'$  is  $\frac{12.53}{\tan 2^{\circ} 40'} = 12.54$  chs.  
 The thickness of the arch is  
 $(\tan 15^{\circ} 15' - \tan 12^{\circ} 30') / 12.54 = 63.83$  chs.  
 or 42.13 ft.

The height of the bridge above the western  
 mouth at the N.W. end of the base is  
 $\tan 15^{\circ} 15' \times 12.54 = 3.419$  chs. The  
 instrument is 14 lks above the S.W.  
 end of base at the 235 ch. point, making  
 the height of bridge above this point  
 $3.559$  chs, or 235 feet above the  
 north rim of the gulch, which is 74 ft deep.

Ascertaining that the top of the bridge  
 can be reached from the South side  
 of the Canon, I sent my chainman  
 to make a direct measurement of the  
 height of the bridge, using a 400-link  
 steel tape, to the end of which is tied  
 the fragment of another steel tape about  
 100 links long, making the equiv-  
 alent of a 500 link tape. The S.W.  
 side of the bridge, <sup>was reached</sup> at a point about  
 midway between the center of the  
 arch and the S.W. end of the bridge,  
 by lowering ourselves by means of  
 rope over an adjoining ledge 50 ft high.  
 The top of the bridge, which measures  
 33 feet in width is so rounded as  
 to make it impossible to drop a line  
 plumb from the top. A rope is there-  
 fore tied to the chain, or tape, which  
 is lowered to a point from which it  
 hangs plumb. From this point to the  
 lowest point of the gulch, directly under  
 it, two feet under water, the distance meas-  
 ured 457 lks, or 301.62 ft. The point  
 to which the tape is lowered is 7.3 ft.

below the crown of the arch, making height of the bridge above the bottom of the gulch 308.92 ft.

Aug 14: At 9<sup>h</sup> 59<sup>m</sup> p.m. l.m.t. I attempt to observe Polaris at eastern elongation. A high wind prevents the illumination of the cross wires and I am not successful.

August 14, 1909

Being unable to determine a meridian by astronomical observation, and my solar apparatus thought to be out of adjustment, I assume a meridian and run transit lines, which are projected by fore and back sights and based on the assumed meridian, the lines being run independent of the solar attachment or the needle.

I begin at my astronomical station under the arch of the bridge at the 3.32 chain point as determined in measuring the Span N 58° E as already reported.

(In order to avoid confusion the true bearings of all courses and objects, as determined by a subsequent astronomical observation on which this survey is based, are reported under the proper date in these notes.)

I set a flag on the left rim of the Canon S. 42° 44' E for the point of Corner number 1 of a tract of 1/4<sup>th</sup> acre, to embrace the Bar-ohoi-ne or Rainbow Natural Bridge as already described. (The name used in referring to the Natural bridge under consideration, is used for



Over rugged barren Sandstone.

I set a flag due west on the rim of a high mesa at an elevation of 14'

I set a second flag on the mesa N. 70° 55' W for the N. end of a base to be measured along the mesa.

At flag No 1, flag at Cor. No 1 been due East.

I measure a base N. 28° 13' E, 14.69 chs to flag No 2 from which point the angle opposite the dist. from Cor. No 1 to flag No 1 measures 99° 12'

Angle opposite 3d Side	61° 47' - 02'	
" " dist.	99° 12' - 01'	Log Sin 9.994398
" " base	14° 05' - 01'	Co " " 0.485893
	180° 04' - 04'	Log 14.69 1.167022

Dist. to flag No 1 is 44.393 chs 1.647313

I retraced East 4.39 chs. to

40.00 I set a sandstone 20 x 18 x 10 ins. 6 ins. in the ground to bed rock and braced stone around it, for corner No 4 of the observation marked Cor No 4 on E

P.L. on S U.S. NM on N. face from which

Angle B+O on a boulder bears N. 3° 03' E. 17 1/2 lbs

" " B+O " ledge rock " N. 17° 14' W. 34"

" " B+O " " " " N. 0° 10' W. 15"

Raise mound of stone 4 ft. base, 4 ft high 10 lbs E of corner.

Corner falls on the abrupt East slope of high mesa about 600 ft. above

Cor. No 1. The point on top of mesa is 730 feet above Cor. No 1

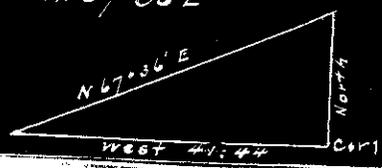
Land Mountainous rugged Sandstone No timber or soil

At a point 1.44 chs West of Cor. No 4 flag due North of Cor. No 1 at the base of the opposite precipice, as already described, bears N. 67° 36' E

Dist. North from Cor. No 1

in Cot. 67° 36' x 41.44 =

17.08 chs.



Beginning at Cor. No 1, being the S.E. corner of the reservation, as already described,  
 Thence I run

North on the East boundary of the reservation.

Descending over a precipice 500 ft high, crossing a gulch about 2 chs. wide, in the bottom of which a creek of good water flows N.W.

17.08 The base of an impassable precipice. Being unable to find any point where I can scale it, I mark the

base of the precipice W.E. COR No 2 for the bottom corner to Cor. No 2 with U.S. N.M. to the West and N.W. to the East of the mark, from which a sand stone 5x4x3 ft or S 60°35'E 2 1/2 ft. Mkt B+O  
 " " " 10x6x3 " S 16°45'W 38 1/2 in " B+O

I raise a mound of stone 5 ft. base, 5 ft high on top of the S.W. bearing rock. Land Mountainous, cut by deep canyons. No timber, dense scrub-oak brush on N. bank of gulch. Soil. Very rocky; 6th note.

From Cor. No 4, the S.W. cor. of the reservation, I run North on the west boundary.

The line passes along a abrupt mesa slope along which it is impracticable to chain.

To obtain ~~the~~ distance I run a traverse line as follows.

West 4.39 chs to top of mesa  
 N. 28°13'E 14.69 " to edge of precipice  
 I set a flag at the base of the opposite precipice N. 9°16'W and measure a base N 56°46'W 7.82 chs to a point from which the angle opposite the distance measures 121°11'.

Aug 15, 1909

At the flag at base of the precipice  
the angle opposite the base <sup>measures</sup>  
11° 15'

The sum of the three angles of the triangle  
is 179° 56' showing an error of 4' which I  
opportune by increasing the size of each angle.

The distance is

Angle opposite base 121° 12' Log Sin 9.932157

" " base 11° 16' Log Sin 0.759130

Base 782 ch Log 0.843207

The dist is 34.237 determined from Log 1.534488

Traverse

Course	Dist	Latitude		Departure	
		N	S	E	W
West 4.39	4.39				4.39
N. 28° 13' E	14.69	12.94		6.95	
N. 9° 16' W	34.24	33.80			5.52
		46.74		6.95	9.91

The traverse shows me that my station  
is 6.74 ch N. and 3.96 ch W. of the  
true point of corner. The high wall  
of the cliff made it impossible to  
set a flag on line or at a shorter distance.  
It was likewise impossible to get  
a better conditioned triangle for  
the determination of the distance  
of the lost corner.

From station I run

South 6.74 ch.

East 2.48 ch to base of an im-  
passable precipice 500 ft. high.

4000 I mark the face of the cliff +  
W.C. COR 3 for the western corner  
of cor. No 3, which point is 48 ch  
N. of the true point of corner. I mark  
N.I.R. to the N. and U.S.N.M. to the South  
of point of corner, from which

A Dressed stone 6x6x5 feet br. N 10° 45' E 251 ch  
marked + Cor 3 B0

An oak 5 in. dia. br. N. 57° W. 64 ch

marked Cor 3 N I R B T

An oak 4 in. dia. br. N 25½° W 74 ch

marked Cor 3 N I R B T

Channel of Creek br. N 5<sup>th</sup> W.  
 Lava Mountains, cut with deep canyons  
 a few small oak trees near corner.  
 Soil, where any is found is very rocky 5<sup>th</sup> rate.

Being unable to scale the cliff it is  
 impossible to run the line between  
 corner 2 and 3.

In order to test the survey I run  
 a traverse line as follows:

West 0.48 chs. From point of Cor to M.C. Cor No 2

West 2.48 "

North 2.57 " To point on top of right bank of gulch

S. 38° 23' W. 7.86 chs. At 4.30 chs. bank of gulch  
 br. NW & SE.; at 6.35 chs.

Stream 4 1/2 miles, course NW.

S. 58° 00' E. 7.31 " At 0.83 chs. Stream 4 1/2 miles corner N

" 4.31 " " " " " N.

S. 57° 00' E 10.87 " At 0.94 chs. Ravine br. NE.;

at 5.26 chs. Stream 4 1/2 miles corner NE

S. 57° 50' E 18.82 " At 4.70 chs. Stream 4 1/2 miles corner NW;

at 7.54 chs. Cliff 75 ft high

Left bank of gulch

at 13.62 Stream 4 1/2 miles corner NW;

at 15.34 Cliff of right bank

of gulch 75 ft high;

18.82 Astronomical station

under Natural bridge, from

which point Cor No 1 br. S 42° 44' E.

23.54 chs.; axis of bridge

br. S 58° W and N 58° E.

S. 42° 49' E 4.74 " Along right bank of gulch

S. 55° 30' E 6.13 " " " "

at 6.13 chs. lower bank of

gulch, which bears off to S.E.

East 7.91 "

North 6.84 " To witness corner to Cor No 2

as already described.

Land, broken and conspicuous

No timber; Soil rocky 5<sup>th</sup> to 6<sup>th</sup> rate.

August 16, 1909.

Aug. 17: Set corners.

At my astron. sta. under the national bridge as already described at 9<sup>h</sup> 47<sup>m</sup> p. m., l. m. t., I observe Polaris at eastern elongation and mark a point in the line thus determined on a ledge of rock 4 chs. N. of my station.

August 17, 1909

At 7<sup>h</sup> 00<sup>m</sup> a. m., l. m. t., I lay off the azimuth of Polaris  $1^{\circ}28'30''$  to the west and mark a point in the meridian thus determined on a ledge of rock 4 chs. N. of my station.

The magnetic bearing of the true meridian is  $N. 15^{\circ}14' W.$ ; the angle thus determined gives the mag. decl.  $15^{\circ}4' E.$

The flag set in the mound of stone 5<sup>1</sup>/<sub>2</sub> chs. N. of Cor. 221 bears  $S. 42^{\circ}56' E$  23.56 chs. dist. The <sup>sin or tan</sup> angle which 5<sup>1</sup>/<sub>2</sub> chs. subtends at a dist. 23.56 chs is  $\frac{5}{23.56}$  or .0021 which gives 7'

Therefore the true bearing of Cor. 221 from my astron. sta. is 7' less than the bearing of the flag or  $S. 42^{\circ}49' E$

The assumed bearing of Corner 221, on which the survey was based, was  $S. 43^{\circ}17' E$  being in error 28' of arc.

I therefore correct all corners to give the true bearings as thus determined, and all bearings already reported in these notes have been corrected to conform to the meridian as above determined, and are the true and correct bearings.

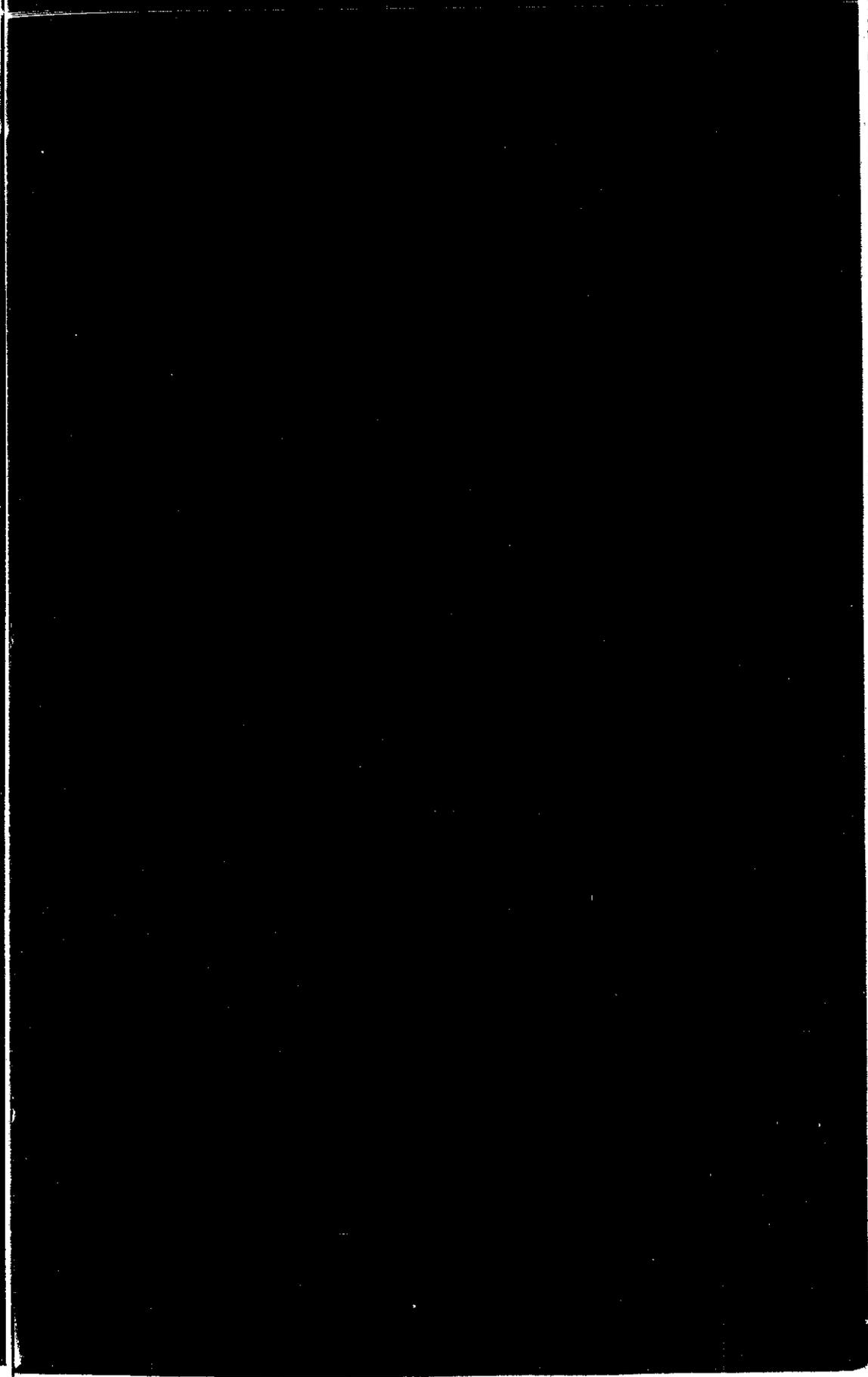
August 18, 1909

*Boundaries of the Survey.  
 Latitudes, Departures and Closing errors*

Line designated	Course	Dist.	Latitude		Departure	
			N	S	E	W.
From Cor. No. 3 to W.C. No. 3	West	0.48				0.48
" W.C. No. 3 to Sta. 1	West	2.48				2.48
" Sta. 1 to " 2	North	2.57	2.57			
" " 2 to " 3	S. 38° 23' W.	7.86		6.16		4.88
" " 3 to " 4	S. 58° 00' E.	7.31		3.88	6.20	
" " 4 to " 5	S. 57° 00' E.	10.87		5.72	9.12	
" " 5 to " 6	S. 57° 50' E.	18.82		9.46	16.27	
" " 6 to " 7	S. 42° 49' E.	4.74		3.48	3.22	
" " 7 to " 8	S. 55° 31' E.	6.13		3.47	5.05	
" " 8 to " 9	East	7.91			7.91	
" " 9 to W.C. No. 2	North	6.84	6.84			
" W.C. No. 2 to Cor. No. 1	South	17.08		17.08		
" Cor. No. 1 to Cor. No. 4	West	40.00				40.00
" Cor. No. 4 to Cor. No. 3	North	40.00	40.00			
<i>Totals</i>			49.43	49.45	47.77	47.84
<i>Errors in lat + dept.</i>				49.43		47.77
				0.02		0.07

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19



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The page contains a faint grid structure, likely a ledger or account book page. The grid consists of several vertical columns and a few horizontal rows. The top row is the most prominent, with a header section on the left. Below this, there are several rows of data, though the text within these rows is illegible due to the high contrast and low resolution of the scan. The page is otherwise mostly blank, with some minor smudges and noise.

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23

29  
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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of *the Burshoini (Rainbow) National Bridge, Piute Indian Reservation, Utah* showing the respective capacities in which they acted:

- John R. English* ..... Moundman & Chairman.
- J. Jean Rogerson* ..... Moundman, Chairman.
- Daniel Perkins* ..... Flagman & Moundman.
- ..... Moundman.
- Jim (Also known as "Mike's Boy") a Piute Indian* ..... Arman.
- ..... Arman.
- John Keenan* ..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the *segregation survey for a great National bridge north west of the Hoop Mountain in the Piute Indian Reservation, designated in these notes as Burshoini (Rainbow) National Bridge* of the \_\_\_\_\_ meridian, *State* of *Utah*, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for *Commissioner of the General Land Office*

- John R. English* ..... Chairman.
- J. Jean Rogerson* ..... Chairman.
- John R. English* ..... Moundman.
- J. Jean Rogerson* ..... Moundman.
- Witness - *John R. English* ..... Arman.
- Daniel Perkins* ..... Arman.
- John Keenan* ..... Flagman.

Subscribed and sworn to before me this *18th* day of *August*, 190*9*

*Wm B Douglas*



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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, FRANK DOUGLASS, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Special Instructions the Commissioners of the United States Surveyor General for General Land Office, bearing date of the Oct. 20th day of 1908 and July 6th, 1909, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Commissioner, General Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of a Tract of 160 acres for the Segregation of the Great Natural bridge Northwest of the Paria Mountain in the Paiute Indian Reservation, designated in these notes as the Barlowe (Rainbow) Natural Bridge of the \_\_\_\_\_ meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Commissioner of the General Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Frank Douglass  
United States Deputy Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 190



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

\_\_\_\_\_, 190

The foregoing field notes of the survey of \_\_\_\_\_

executed by \_\_\_\_\_, dated \_\_\_\_\_, 190, having been under his contract No. \_\_\_\_\_, dated \_\_\_\_\_, 190, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

\_\_\_\_\_  
United States Surveyor General.

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

\_\_\_\_\_  
United States Surveyor General.

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4-579

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# FIELD NOTES

OF THE SURVEY OF THE

*Provine Survey connecting the Borahvini National  
Bridge, and the Betata Kin, Kest Seel and  
Inscription House pre historic ruins with corners  
of the Utah and Arizona Boundary Line.*

*Also of the Survey for the purpose of designating  
the Inscription House as a proposed National Monument.*

Of the \_\_\_\_\_ Meridian,

AS SURVEYED BY

*WILLIAM EDWARD BECKLATT*

\_\_\_\_\_, United States Deputy Surveyor,

Under his *Special Instructions* Contract No. \_\_\_\_\_, dated *Aug. 20th and Sept 25th*, 1909

Survey commenced *October 14th*, 1909

Survey completed *November 13th*, 1909

6-151

*obscure Tolous at eastern elongation*

NAMES AND DUTIES OF ASSISTANTS.

In the Survey of a Traversé Line connecting the  
Baraboo National Bridge with mile Cor. No. 179 of the  
Utah and Arizona Boundary Line.

John R. English      Chairman & Flagman  
W. A. Colville

In the Survey a Traversé Line connecting the  
Betula Riv., the Keet Seel and the Inscription House  
pre-historic ruins, with mile Cor. No. 209 of the Utah and  
Arizona Boundary Line, and the designation of the  
Inscription House ruin as a proposed National Monument.

John R. English      Chairman & Monumentman  
John Nettleton      Chairman, Monumentman, & Flagman  
White Horse (Navajo Guide)      Chairman

# 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
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page \_\_\_\_\_

*observed Polaris at eastern elongation*

PRELIMINARY OATHS OF ASSISTANTS.

WE, John R. English and C. A. Colville  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of a traverse line connecting Barohoini Natural Bridge with mile  
Cor. No 179 of the Utah and Arizona boundary line

John R. English Chainman.  
C. A. Colville Chainman.

Subscribed and sworn to before me this 14th  
day of October, 1909

Wm B Douglas  
U. S. DEPARTMENT OF SURVEYS & MAPPING



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Moundman.  
\_\_\_\_\_, Moundman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_



WE, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of \_\_\_\_\_

\_\_\_\_\_, Axman.  
\_\_\_\_\_, Axman.

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_, 190 \_\_\_\_\_



Me, John R. English and C. A. Colville, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of a traverse line connecting Barohoini Natural Bridge  
with mile Cor. No 179 of the Utah and Arizona boundary line

John R. English, Flagman.

Subscribed and sworn to before me this 14th  
day of October, 1909

Wm B Douglas  
U. S. DEPARTMENT OF SURVEYS & MAPPING



PRELIMINARY OATHS OF ASSISTANTS.

We, John R. English and John Withrill and White Horse  
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level  
chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same;  
we will report the true distances to all notable objects, and the true lengths of all lines that we assi-  
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey  
A traverse line connecting Belatakin Rest Seal & Inscription House with  
Cor. 209, Utah & Arizona Bdy. Line. Also Surveying the Inscription

John R. English Chainman  
John Withrill Chainman  
White Horse Master  
Subscribed and sworn to before me this 29th  
day of October 1909  
Wm B Douglas



We, John R. English and John Withrill  
do solemnly swear that we will well and truly perform the duties of moundmen in the establish-  
of corners, according to the instructions given us, to the best of our skill and ability, in the survey  
A traverse line connecting Belatakin Rest Seal and Inscription House with  
Cor. 209, Utah & Arizona Bdy. Line. Also Surveying the Inscription

John R. English Moundman  
John Withrill Moundman  
Subscribed and sworn to before me this 29th  
day of October 1909  
Wm B Douglas



We, \_\_\_\_\_ and \_\_\_\_\_  
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of cor-  
and other duties, according to instructions given us, to the best of our skill and ability, in the survey  
\_\_\_\_\_ Axman  
\_\_\_\_\_ Axman

Subscribed and sworn to before me this \_\_\_\_\_  
day of \_\_\_\_\_ 190 \_\_\_\_\_



I, John Withrill do solemnly swear that I will well and tr-  
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in  
survey of A traverse line connecting Belatakin Rest Seal & Inscription House  
Cor. 209, Utah & Arizona Bdy. Line. Also Surveying the Inscription

John Withrill Flagman  
Subscribed and sworn to before me this 29th  
day of October 1909  
Wm B Douglas



The survey for the purpose of locating the Barohimi (Rainbow) Natural Bridge, the Keet Seel ruin, the Betatakin ruin, and the Inscription House ruin with reference to some mile corner of the Utah and Arizona boundary line, commenced October 14, 1909 and executed with a Young and Sons solar transit, No. 8272. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the best corner of the verniers of the latitude and declination arcs.

I test the adjustments of the transit and find them to be satisfactory; then to test the solar apparatus I proceed as follows:

At the 180th mile corner of the Utah and Arizona boundary line I find the cornerstone out of place and determine the point of corner by measuring the prescribed distance and course from the bearing trees; the corner stone, which I move in place but do not set, is a sandstone whitened in spots by gypsum (described as a limestone in the original notes), 30 x 12 x 10 ins, marked on the different faces, UTAH, ARIZ, 180 M and 37 NL. From point of corner  
 A gyp. 12 in. dia. br N. 76° 50' E. 111 lbs  
 Marked UTAH 180 M BT  
 A gyp. 14 in. dia. br S 69° 45' W. 112 lbs  
 Marked ARIZ 180 M BT

I find evidence of 4 pits to the N, S, E and W. of corner, but too indistinct to give size; no evidence of mound of earth.

The corner is in latitude 37° 00' 00" N. and longitude 110° 43' 03" W. of Greenwich Oct 14. At 6:00 pm., l.m.t. I observe Polaris at eastern elongation

at mile Cor. 180, and mark a point  
in the line thus determined on  
a stake set firmly in the ground 10 ch  
N. of my station.

Cet. 14, 1909

Cet. 15: At 9<sup>h</sup>00<sup>m</sup> a.m., l.m.t., I set  
off 37°00' on the lat. arc and 8°26'  
S. on the decl arc and determine  
a meridian with the solar. The point  
heretofore marked in the line of Polaris  
at eastern elongation bears N 1°28½' E  
which in the true azimuth at elongation,  
and I therefore know that my  
solar apparatus is indicating the  
true meridian.

My location at mile corner N=180 is  
on a high mesa S.E. of the Navajo  
Mountain.

The N. peak of the "Wooden Shoe of Elk Mts.  
bears N. 43°15' E

Say-lee-Saon (Red rock standing up) believed  
to be Canyon Rock bears N. 81°07' E

Say-gah-toe (The rock with water under it)  
bears S. 26°52' E about 6 miles dist

E. end of Navajo Mt. br N 23°35' W about 1 mile

N. peak of Little Navajo Mt. br N 13°50' W about 3 m.

E " " " " " " N 9°15' W " " "

Cet 15: I set off 8°29' S. on the decl arc  
and at apparent noon I obs. the  
Sun on the meridian. The resulting  
latitude is 37°00'

At 3<sup>h</sup>00<sup>m</sup> p.m., l.m.t. I set off 37°00'  
on the lat. arc and 8°31' on the decl  
arc; my instrument indicates the  
true meridian, I therefore conclude  
that my solar apparatus is in adjustment.

At 3<sup>h</sup>30<sup>m</sup> p.m. A flag set on the  
top of Navajo Mountain at station N=1  
bears N. 54°11' W.

I proceed to mile corner N=179

80.00 chs W. of my station at Mile Cor No 179.  
 The corner stone not being in place I  
 determine the exact point by measuring  
 the proper course and dist. from  
 the bearing tree. The corner stone, which  
 is out of ground and 6 ft. E. of the tree  
 and which I mark to true point but do not set.  
 point of cor. is a sandstone 30 x 16 x 4  
 inches, marked on 4 sides, as follows  
 UTAH, 37 NL, ARIZ, and 179 M.

From true point of corner

A juniper 4 ins. dia. brs N. 39° 09' E. 62 chs  
 Marked in the bark UTAH 179 M

A juniper 20 ins. dia. brs S. 43° 40' E. 56 chs  
 Marked in the bark ARIZ

A juniper 7 ins. dia. brs S. 55° 34' W. 57 chs  
 Marked in the bark AR

A juniper 4 ins. dia. brs N. 11° 35' W. 29 chs  
 No marks found.

The marks on all trees indistinct and  
 unsatisfactory.

Oct 15 - at 4<sup>h</sup> 10<sup>m</sup> pm, I m.t. I set off  
 37000' on the lat. arc; 8° 32' S. on the  
 decl. arc and determine a  
 meridian with the Solar at Mile Cor No 179.

The flag set on top of Nevada Mountain  
 at traverse station No 1 bears N. 50° 12' W.

The two angles as measured are

Angle opposite distance	30° 49'
" " 3d side	140° 12'
Computed angle opposite base of each	8° 59'
Total	180° 00'

The distance from Mile Cor 179 to Sta. No 1  
 is  $\frac{\sin 30^{\circ} 49' \times 80000 \text{ chs}}{\sin 8^{\circ} 59'}$  or

30° 49' Log Sin 9. 70 9518

8° 59' Colog " 0. 80 6466

80000 chs Log  $\frac{1.903090 = \text{Dist.}}{2.741907} = 262.47 \text{ chs.}$

From Mile Cor No 179 N 50° 12' W. 262.47 chs.

to traverse station No 1, on top  
 of Nevada Mountain.

Oct. 15, 1909.

I proceed to the top of the mountain and reconnoiter for a point from which the Berthouli Natural Bridge can be seen.

Oct. 16, 1909

I began at my traverse station No. 1 on the south slope, near the top, of the Norway mountain.

Oct. 17: At 9:00 a.m., l.m.t., I set off  $37^{\circ}01'$  on the lat. arc;  $9^{\circ}10'S$  on the decl. arc and determine a meridian with the solar

Thence I run

S.  $56^{\circ}07' W$  41.03 chs along the south slope of the mountain through dense pine, spruce and aspen timber, to Station No. 2.

Thence

West 23.31 chs, across spur of mountain projecting south, through dense spruce and aspen timber to the west side of spur, to Station No. 3

Thence

N  $50^{\circ}45' W$  21 links to Station No. 4

From station No. 4 I set a flag on a spur across a deep ravine draining to the S.W., N.  $45^{\circ}35' W$  for Sta. 5.

A second flag set at a point on the opposite spur as will be the end of my base, bears N.  $60^{\circ}39' W$

The angle opposite my base is  $15^{\circ}04'$

Oct. 17, 1909

Oct. 18: At 11:00 a.m., l.m.t., I set off  $37^{\circ}02'$  on the lat. arc, and  $9^{\circ}34'S$  on the decl. arc and determine a meridian with the solar at Traverse Station No. 5.

Then I measure a base along the ridge of a spur of Norway Mountain S.  $60^{\circ}02' W$ . The distance measured

S. W. descending in 24.18 chs.; the distance as chained N.E., ascending in 24.15½ chs. I therefore take the mean of the two chainings, 24.16¾ chs as the true length of the base.

From station 5 a point on top of the great central bridge bears N 58° 43' W  
 From the S.W. end of base the angle opposite the distance from Sta. 4 to Sta. 5 measures 59° 20'  
 Point on great bridge bears N. 55° 41' W  
 Channel of a Cañon bears N 64° 45' W  
 " " " " " " N 53° 15' W

In the triangulation for distance from Sta. No 4 to Sta. No 5 the sum of the angles in question is as follows: 105° 37' + 59° 20' + 15° 04' = 180° 01'

The distance is  $\frac{\sin 59^{\circ} 20' \times 24.16\frac{3}{4} \text{ chs}}{\sin 15^{\circ} 04'}$  or  
 Ang opposite dist 59° 20' by Sin 9. 93 4574  
 " " base 15° 04' by " 0. 58 5122  
 Mean base 24.16¾ by 1. 38 3222  
 Total 1, 90 2918 = 79.97

Which gives the course from Sta. 4 to Sta. 5 as N 45° 35' W 79.97 chs to Sta No 5

The dist from Sta No 5 to a point on the Centre of the bridge is  $\frac{\sin 115^{\circ} 43' \times 24.16\frac{3}{4} \text{ chs}}{\sin 3^{\circ} 02'}$  or  
 Ang opposite dist 115° 43' by Sin 9. 95 4701  
 " " base 3° 02' by " 1. 27 6405  
 Mean base 24.1675 by 1. 38 3222  
 Total 2, 61 4328 = 411.46 chs

From Sta. No 5 on Spur of Navajo Mt. a point on top of the great bridge, bears N. 58° 43' W. 411.46 chs. Dist. Not knowing the dist and course of this point from any point of the segregating Survey I proceed to the great bridge. It is not believed to be possible to reach the bridge by descending the N. slope of Navajo Mt. I therefore proceed to bridge by usual trail.

Oct. 18, 1909

Constructed large target at Sta. No 5,  
packed up and traveled to base of  
mountain

Oct. 18, 1909

Measured and photographed this Owl Canyon Natural  
Bridge, which the mile across. Height 63 ft.; span 61 ft.  
Traveled to great bridge tomorrow  
after nightfall.

Oct. 20, 1909

Oct. 21: At my astron. sta. under bridge  
at 5<sup>h</sup> 26<sup>m</sup> a.m., l.m.t. I observed  
Polaris at western elongation, and  
changed the instrument in position.  
At 9<sup>h</sup> 05<sup>m</sup> a.m., I lay off the azimuth  
1° 29' to the E. A flag at Cor. No. 1  
of the meridian bears S 43° 06' 30" E.  
At Cor. No. 1 I orient my instrument  
by a back sight at a flag at my  
astron. sta.

The target set at traverse station No 5  
on the spur of Navajo Mountain  
bears S 57° 34' 00" E.

at a point 41.44 chs. due west of  
Cor. No. 1 target at Sta. No 5 bears S 62° 24' E  
Angle opposite 3d side 149° 34'  
" " dist 27° 36'  
" " base (Computed) 2° 50'  
180° 00'

The distance from traverse Sta. No 5 to Cor. No. 1  
is  $\frac{\sin 27^{\circ} 36' \times 41.44}{\sin 2^{\circ} 50'}$

27° 36' Log and 9.665859

2° 50' Colog " 1.306002

41.44 chs Log 1.617420

2.589281 = 388.40 chs.

From traverse Sta. No 5, Corner No. 1 of the  
Barrowine Natural Bridge meridian  
bears N 59° 34' W. 388.40 chs

Approximately the point on top of bridge  
is 191 chs S 58° W of the point under  
bridge from which Cor. No. 1 bears S 42° 49'  
23.56 chs.

I check my measurement of dist. from Traine Sta. No 5 to Corner No 1 by the following traverse.

	Latitude		Departure		
	N	S	E	W	
Sta 5 to point on Bridge	N 58° 34' W 41.46	213.66		357.64	
Point on Bridge to Sta I	N 58° E 1.91	1.01	1.62		
Sta I to Cor No 1	S 42° 44' E 23.56		17.28	16.01	
Cor No 1 to Sta 5	S 54° 34' E 368.40		196.73	334.88	
		214.67	214.01	352.51	357.64

I compute the location of the great Natural bridge with reference to Mile Cor. 179 of the Utah and Arizona boundary line as follows

	Latitude		Departure		
	N	S	E	W	
From Mile Cor. 179 to Sta. 1	N 50° 42' W 262.47	168.01		201.65	
" Sta. 1 to Sta. 2	S 56° 04' W 41.02		22.87	34.06	
" Sta. 2 to Sta. 3	West 23.31			23.31	
" Sta. 3 to Sta. 4	N. 50° 45' W 0.21	13		.16	
" Sta. 4 to Sta. 5	N 45° 35' W 79.97	55.97		57.12	
" Sta. 5 to Bridge Cor. 1	N 59° 34' W 388.40	196.74		334.88	
" Bridge Cor. to Mile Cor. 179	S 58° 34' E 763.12		997.98	651.18	
		420.85	420.83	651.18	651.18

From Cor. No 1 of the Barohansi Natural Bridge reservation Mile Corner No 179 of the Utah and Arizona boundary line bears N. 58° 34' W 763.12 dis. or 9 mi. 43.12 chs.

As measured span of bridge S 58° 00' W 44.22 chs. Corrected for slope of 21° in 421.74 chs or 278.35 ft. Oct 21, 1909

Proceed to Scrub Oak Cañon on return trip to Alpaque Utah.

Measure and photograph the small White Oak Natural Bridge which is about 1 1/2 miles S.W. of the trail at this point.

Length of span 67 ft; height about 70 ft; width about 8 ft and thickness about 10 ft - Oct 22, 1909

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7

# INDEX DIAGRAM.

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